

Универзитет у Београду
Технички факултет у Бору
Број: VI/4-1-2
Бор, 24. 03. 2017. године

На основу чл. 47. Статута Техничког факултета у Бору, Наставно-научно веће Факултета, на седници одржаној 23. 03. 2017. године, донело је

ОДЛУКУ

I Усваја се Извештај Комисије за обезбеђење и унапређење квалитета о оцени НИР-а у 2016. години.

II Извештај Комисије за обезбеђење и унапређење квалитета о оцени НИР-а у 2016. години, саставни је део ове Одлуке.

Доставити:

- председнику Комисије
- продекану за НИР
- архиви

ПРЕДСЕДНИК

НАСТАВНО-НАУЧНОГ ВЕЋА

ДЕКАН

Проф. др Нада Штрбац

**Univerzitet u Beogradu
TEHNIČKI FAKULTET U BORU
Nastavno-naučnom veću**

Na osnovu Člana 3. Pravilnika o vrednovanju rezultata naučnog rada nastavnika i saradnika, na Tehničkom fakultetu u Boru, broj VI-4/19-4/2 od 27. 05. 2008. godine, u daljem tekstu **Pravilnik**, Komisija za obezbeđenje i unapređenje kvaliteta, u daljem tekstu **Komisija**, marta meseca 2017. godine, sprovedla je postupak vrednovanja rezultata naučno-istraživačkog rada i međunarodne saradnje nastavnika i saradnika, za prethodnu 2016. godinu.

Nakon sprovedenog postupka i obrade dobijenih rezultata Komisija u skladu sa Članom 7. Pravilnika Naučno-nastavnom veću dostavlja sledeći

**I Z V E Š T A J
O REZULTATIMA VREDNOVANJA NAUČNOG RADA**

1. OPŠTI DEO

Postupak vrednovanja sprovedla je Radna grupa Komisije koju su činili:

- Prof. dr Dejan Tanikić, aktuelni prodekan za NIR i MS, rukovodilac,
- Prof. dr Grozdanka Bogdanović, bivši prodekan za NIR i MS,
- Prof. dr Miodrag Žikić, član i
- Doc. dr Ljubiša Balanović, član.

Vrednovanje rezultata naučnog rada urađeno je marta meseca 2017. godine, a odnosi se na prethodnu kalendarsku godinu, i njime su bili obuhvaćeni svi nastavnici i saradnici koji su u toj godini bili zaposleni na Fakultetu.

U okviru Komisije za obezbeđenje i unapređenje kvaliteta, bivša prodekanica za naučno-istraživački rad i međunarodnu saradnju prof. dr Grozdanka Bogdanović, prikupila je i obradila potrebne podatke i sačinila **Godišnji izveštaj o rezultatima NIR-a za 2016. godinu**, koji je, kao sastavni deo ovog izveštaja, dat u **prilogu 1**.

Vrednovanje se odnosilo na sledeće reference:

I. Publikovani rezultati

- 1.1. Publikovani radovi u međunarodnim časopisima sa IF (Kategorije M21-M23)
- 1.2. Publikovani radovi u međunarodnim časopisima bez IF (Kategorije M24)
- 1.3. Publikovani radovi u nacionalnim časopisima (Kategorije M51-M53)
- 1.4. Publikovana poglavља u monografijama međunarodnog značaja
- 1.5. Publikovane monografije i poglavљa u monografijama nacionalnog značaja
- 1.6. Publikovani udžbenici
- 1.7. Citiranost u 2016.godini (prema SCOPUS-u)
- 1.8. Saopšteni radovi na međunarodnim skupovima
- 1.9. Saopšteni radovi na nacionalnim skupovima

II. Učešće na projektima

- 2.1. Učešće na međunarodnim projektima
- 2.2. Učešće na projektima koje finansira MPNTR RS
- 2.3. Učešće na projektima koje finansira privreda

Kompletan materijal koji se odnosi na ovo vrednovanje predat je arhivi Fakulteta, na dalje čuvanje.

2. POSEBAN DEO

Nakon obrade podataka dobijenih u postupku vrednovanja zbirni prikaz rezultata naučnog rada dat je u **tabeli 1**.

Upoređivanje ostvarenih rezultata za 2016. godinu sa rezultatima iz prethodnih godina izvršeno je tabelarno i grafički, i to:

- **slika 1**-Pregled broja objavljenih radova grupe rezultata M20 i M50,
- **slika 2**-Pregled broja citata u časopisima sa IF (JCR lista),
- **tabela 2**-Prikaz broja rezultata grupa M30, M60, M70, M80 i M90 i
- **slika 3**-Grafički pregled broja projekata na kojima su učestvovali nastavnici i saradnici

Iz datih priloga mogu se izvući sledeća zapažanja u vezi kvalitativnih i kvantitativnih podataka:

1. Publikovani radovi u medjunarodnim časopisima kategorije M10+M20: **18+76=94 rada.**
2. Publikovani radovi u nacionalnim časopisima kategorije M50: **24 rada**
3. Citiranost u 2016.godini (SCOPUS rezultati): **202 rada citirano 474 puta**
4. Publikovane monografije kategorije M40, zbornici radova, udžbenici: **5** zbornika sa medjunarodnih naučnih skupova kategorije M30, **2** monografije i **6** udžbenika
5. Saopšteni radovi na medjunarodnim (M30) i nacionalnim (M60) skupovima: **159+6=165 rada**
6. Angažovanje na projektima:
 - 6.1. Međunarodni projekti: **9**
 - 6.2. Projekti kod MPNTR RS: **27** (4 III, 9 OI, 14 TR; od toga 5 projekata na kojima su rukovodioci istraživači sa TF Bor)

Nastavljen je trend ravnomernije prisutnosti autora iz različitih oblasti istraživanja u broju radova iz kategorije M20.

3. ZAKLJUČCI

Nakon sprovedenog postupka vrednovanja i obrade dobijenih podataka, koje su ostvarili nastavnici i saradnici u oblasti naučnoistraživačkog rada i međunarodne saradnje u 2016. godini, zaključeno je sledeće:

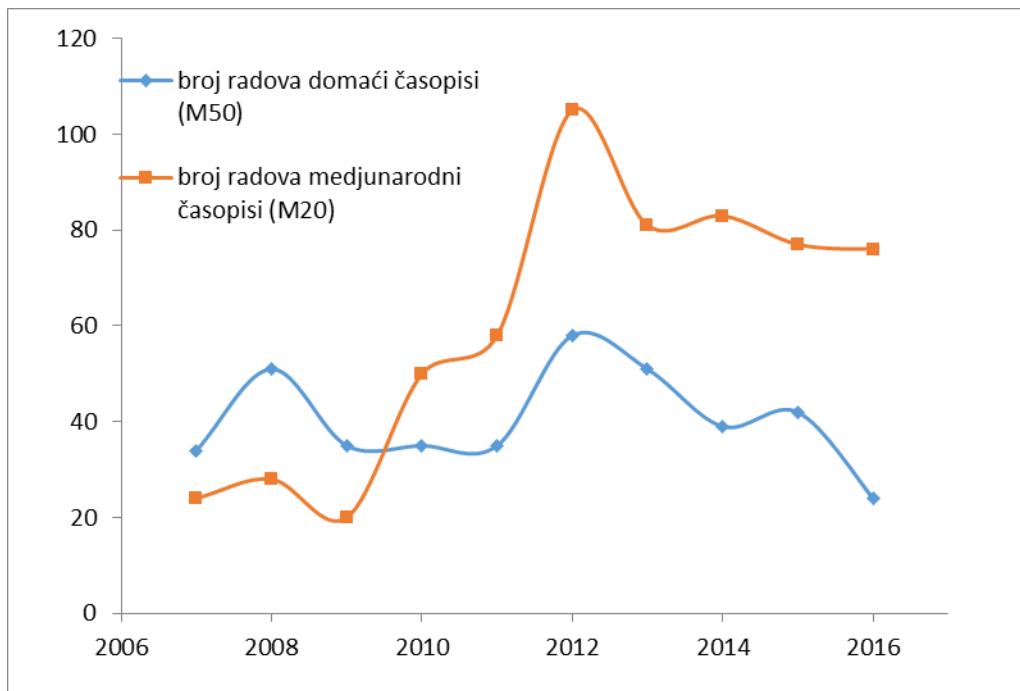
1. Rezultati vrednovanja, u poređenju sa rezultatima postignutim u 2015. godini, ukazuju da je broj publikovanih radova u međunarodnim časopisima (M20) na istom nivou, ali je broj publikovanih radova u domaćim časopisima (M50) značajno opao. Istovremeno, kvalitet ostvarenih naučnih rezultata meren preko publikacija u časopisima sa SCI liste, može se oceniti izuzetno uspešnim u oceni kvaliteta naučnog rada tj. citiranosti radova. Broja citata u časopisima sa IF (JCR lista) se značajno povećao.
2. Broj saopštenja na međunarodnim skupovima (M30) je smanjen.
3. Broj saopštenja na domaćim skupovima (M60) značajno je opao, pri čemu se to objašnjava činjenicom da su svi skupovi koje organizuje Fakultet međunarodni, odnosno da su pri izboru reference iz kategorije M60 manje vrednovane.
4. Angažovanje na projektima u periodu 2010 – 2016. godine može se oceniti zadovoljavajućim i obavezuje sve istraživače da ostvare predvidjene rezultate, što bi im omogućilo nastavak istraživanja i učešće u novom projektnom ciklusu.
5. Angažovanje na međunarodnim projektima pokazuje rast uz mogućnost daljeg uvećanja u okviru projekata iz programa "ERASMUS +" i projekata bilateralne saradnje. Pokrenute aktivnosti na prijavi projekata u okviru programa "ERASMUS +" su dobra

mogućnost za uvećanje mobilnosti studenata i nastavnog osoblja i dalje međunarodne afirmacije Fakulteta.

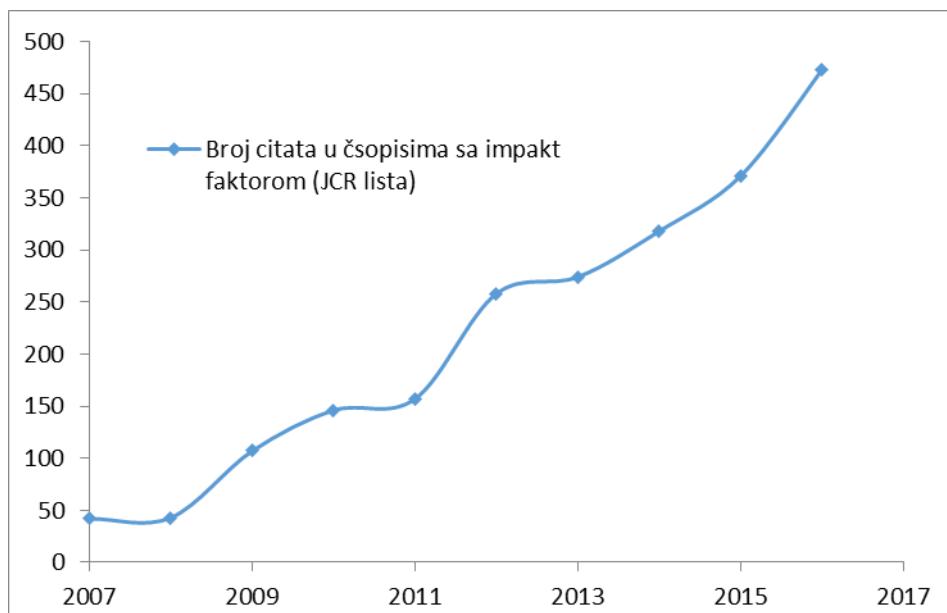
6. Broj projekata koji se izrađuju za privredu je u stagnaciji pri čemu je to posledica stanja u kome se nalazi privreda.

Tabela 1-Zbirni prikaz rezultata NIR i MS na TFB, UB, za 2016. godinu

Tip rezultata/kategorija prema MPNTR	Broj ostvarenih rezultata	UKUPNO
M13	6	M10 – 21
M14	12	
M17	2	
M18	1	
M21a +M21	5+7	M20 - 79
M22	27	
M23	20	
M24	17	
M28a	1	
M29b	2	
M31	7	M30 - 163
M32	2	
M33	132	
M34	17	
M36	5	
M42	1	M40 - 2
M45	1	
M51	10	M50 – 26
M52	9	
M53	5	
M55	2	
M63	4	M60 – 7
M64	2	
M66	1	
M71	4	M70 - 4
Udžbenici	6	6
Citiranost	202 rada citirano 474 puta	
Međunarodni projekti	9	
Projekti finansirani od MPNTR RS	27	
Projekti finansirani od privrede i ostali projekti	6	
Organizovani naučni skupovi	5 medjunarodna naučna skupa kao organizatori <i>(1 medjunarodni studentska konferencija + 2 nacionalne studenska simpozijuma)</i>	
Publikovani časopisi	4 naučna časopisa + <i>1 studenski časopis</i>	



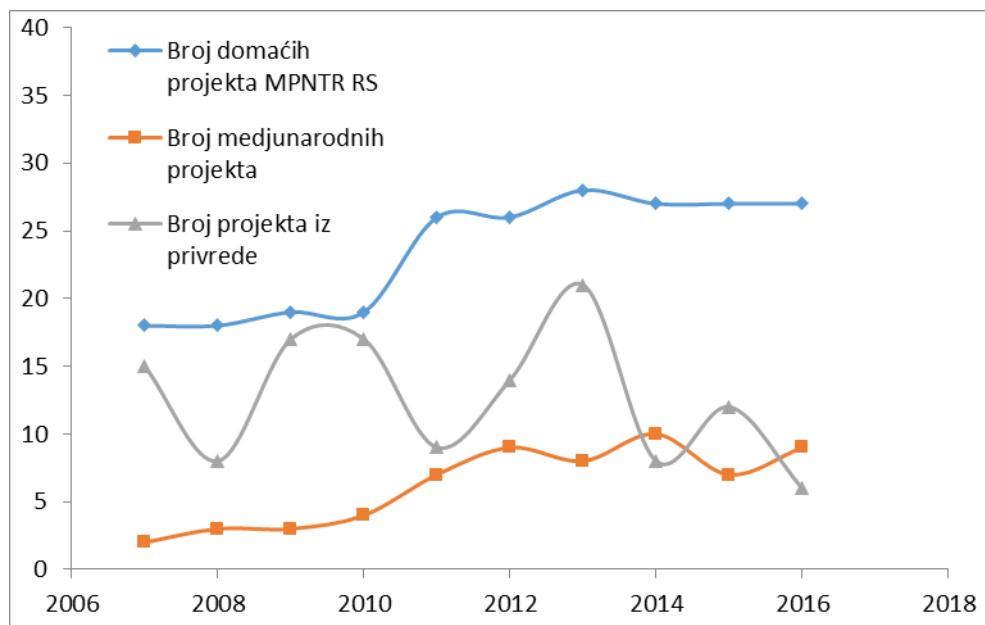
Slika 1-Grafički pregled broja objavljenih radova grupe rezultata M20 i M50 za period od 2007. do 2016. godine



Slika 2-Grafički pregled broja citata u časopisima sa IF (JCR lista) za period od 2007. do 2016. godine

Tabela 2-Pregled broja rezultata grupa M30, M60, M70 i M80 za period od 2010. do 2016. godine

Godina	2010.	2011.	2012.	2013.	2014.	2015.	2016.
broj saopštenja na medj.skupovima (M30)	107	179	161	174	165	191	164
broj saopštenja na dom.skupovima (M60)	68	79	70	44	32	33	7
broj Dr radova (M70) (odnosi se samo na zaposlene na TF Bor)	9	1	8	5	1	8	4
broj tehničko-razvojnih rešenja (M80)	6	2	8	9	4	6	0



Slika 3-Grafički pregled broja projekata na kojima su učestvovali nastavnici i saradnici za period od 2007. do 2016. godine

Prilog: Godišnji izveštaj o rezultatima NIR-a za 2016. godinu

U Boru, mart 2017. godine

za Komisiju predsednik

Prof. dr Miodrag Žikić

Dostavljen:

- 1x Nastavno-naučnom veću
- 1x Arhivi Fakulteta
- 1x Arhivi Komisije

**Univerzitet u Beogradu,
Tehnički fakultet u Boru**



**GODIŠNJI IZVEŠTAJ
O REZULTATIMA NIR-A
2016. godina**

**Bor,
24. februar 2017.**

GODIŠNJI IZVEŠTAJ O REZULTATIMA NIR&MS ZA UB, TF BOR

2016. godina

O S N O V N I P O D A C I

Izveštaj o radu u oblasti NIR-a i medjunarodne saradnje na Tehničkom fakultetu u Boru za 2016. godinu obuhvata nekoliko segmenata:

- **Spisak referenci nastavnika i saradnika Fakulteta (M10 - M90)**
- **Spisak domaćih projekata na kojima su uključeni nastavnici i saradnici Fakulteta**
- **Spisak medjunarodnih projekata na kojima su uključeni nastavnici i saradnici Fakulteta**
- **Spisak projekata sa privredom na kojima su uključeni nastavnici i saradnici sa Fakulteta**
- **Spisak ostalih aktivnosti Fakulteta od značaja za NIR i MS (naučni skupovi, izdavačka delatnost, učešće na sajmovima, naučna predavanja i drugi skupovi)**

Imajući u vidu elemente za ocenjivanje kvaliteta naučnog rada, na osnovu čl.7 Pravilnika o vrednovanju rezultata naučnog rada nastavnika i saradnika Tehničkog fakulteta u Boru, a prema uvidu u rezultate NIR-a na TF Bor tokom 2016. godine, predstavljenih u prilogu datom u produžetku ovog teksta, mogu se izvući **osnovni podaci**:

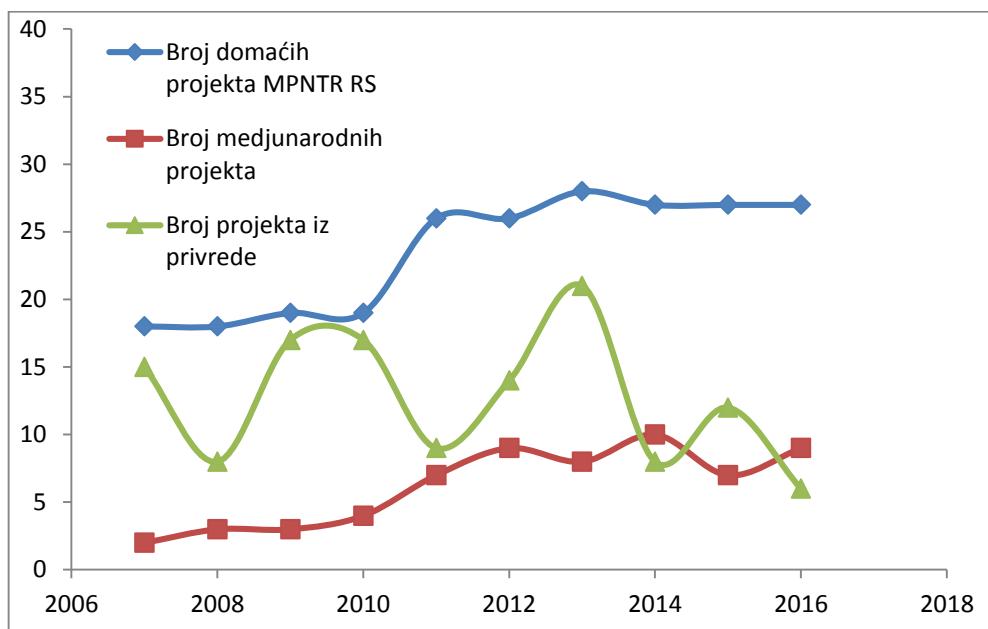
1. Publikovani radovi u medjunarodnim časopisima kategorije M10+M20: **18+76=94 radova**
2. Publikovani radovi u nacionalnim časopisima kategorije M50: **24 rada**
3. Citiranost u 2016.godini (SCOPUS rezultati): **202 rada citirano 474 puta**
4. Publikovane monografije kategorije M40, zbornici radova, udžbenici: **5** zbornika sa medjunarodnih naučnih skupova kategorije M30, 2 monografije i **6** udžbenika
5. Saopšteni radovi na medjunarodnim (M30) i nacionalnim (M60) skupovima: **159+6=165 rada**
6. Angažovanje na projektima:
 - 6.1. Međunarodni projekti: **9**
 - 6.2. Projekti kod MPNTR RS: **27** (4 III, 9 OI, 14 TR; od toga 5 projekata na kojima su rukovodioci istraživači sa TF Bor)

Zbirni prikaz rezultata NIR-a za 2016. godinu dat je u Tab. 1.

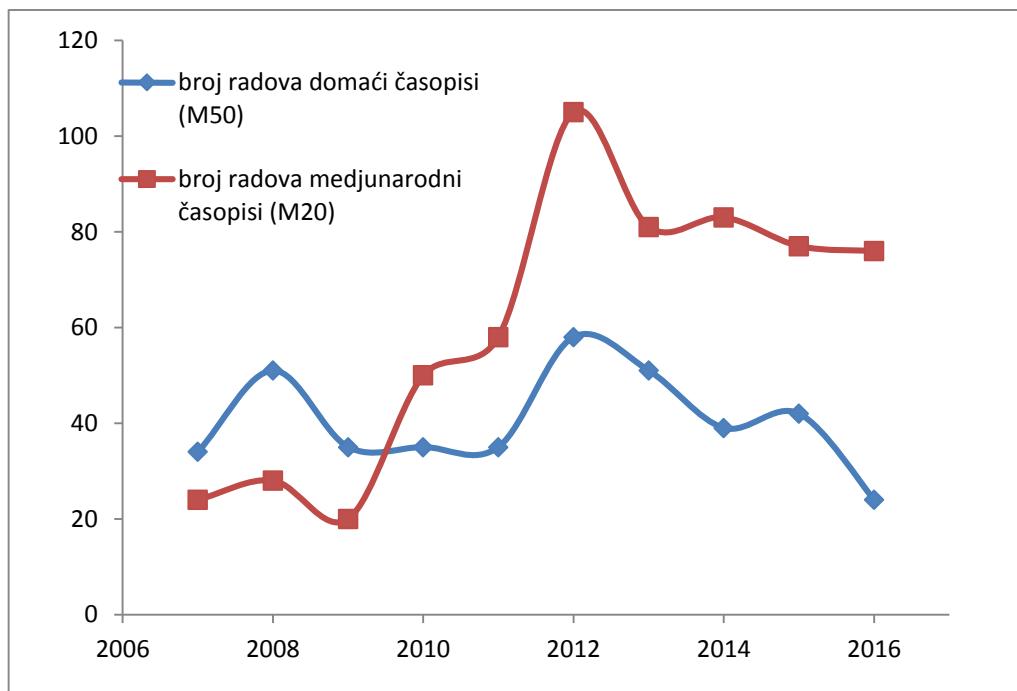
Tabela 1. Zbirni prikaz rezultata NIR & MS za UB, TFB – godina 2016.

NIR & MS rezultati 2016. PREGLED ZA UB, TF BOR		
Tip rezultata/kategorija prema MPNTR	Broj ostvarenih rezultata	UKUPNO
M13	6	M10 – 21
M14	12	
M17	2	
M18	1	
M21a +M21	5+7	M20 - 79
M22	27	
M23	20	
M24	17	
M28a	1	
M29b	2	
M31	7	M30 - 163
M32	2	
M33	132	
M34	17	
M36	5	M40 - 2
M42	1	
M45	1	
M51	10	M50 – 26
M52	9	
M53	5	
M55	2	
M63	4	M60 – 7
M64	2	
M66	1	
M71	4	M70 - 4
Udžbenici	6	6
Citiranost	202 rada citirano 474 puta	
Međunarodni projekti	9	
Projekti finansirani od MPNTR RS	27	
Projekti finansirani od privrede i ostali projekti	6	
Organizovani naučni skupovi	5 medjunarodna naučna skupa kao organizatori (1 medjunarodni studentska konferencija + 2 nacionalne studenske simpozijuma)	
Publikovani časopisi	4 naučna časopisa + 1 studenski časopis	

Sledi komparativni prikaz rezultata za prethodni period (od 2007. godine do danas) predstavljen na Sl. 1-3. i u Tab. 2.



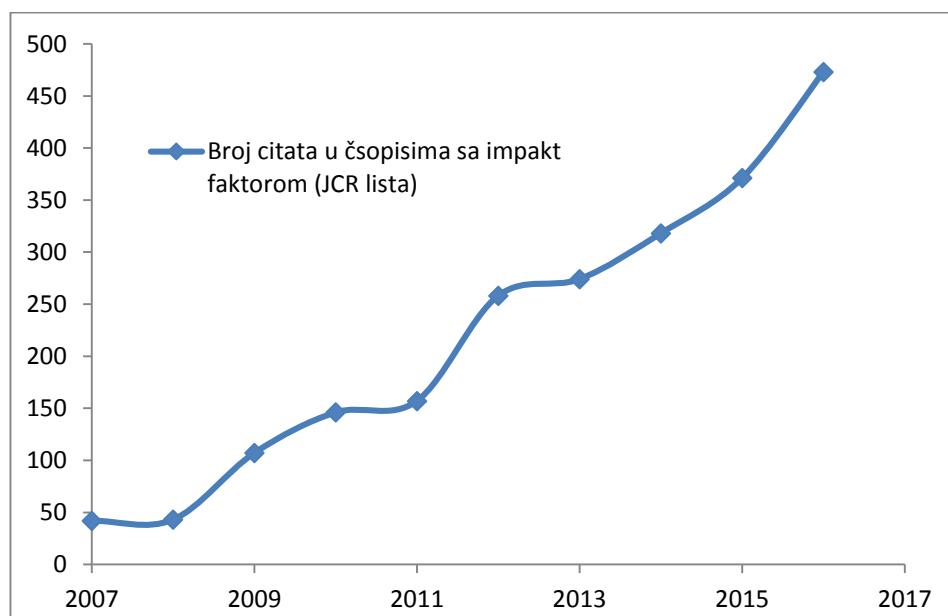
S1.1. Komparativni prikaz broja projekata na TF Bor u periodu 2007. - 2016. god.



S1.2. Komparativni prikaz broja radova (M20 i M50) na TF Bor u periodu 2007. - 2016. god.

Tabela 2. Komparativni prikaz broja rezultata kategorija M30, M60, M70 i M80 u periodu 2010. - 2016. god.

Godina	2010	2011	2012	2013	2014	2015	2016
broj saopštenja na medj.skupovima (M30)	107	179	161	174	165	191	164
broj saopštenja na dom.skupovima (M60)	68	79	70	44	32	33	7
broj Dr radova (M70) (odnosi se samo na zaposlene na TF Bor)	9	1	8	5	1	8	4
broj tehničko-razvojnih rešenja (M80)	6	2	8	9	4	6	0



S1.3. Komparativni prikaz broja citata na JCR listi - TF Bor, period 2007. - 2016. god.

Iako se prethodno predstavljen ukupni rezultati aktivnosti iz oblasti NIR-a i MS-a mogu smatrati zadovoljavajućim imajući u vidu opšte aktuelno stanje i postojeće probleme u nauci u Srbiji uopšte, realno sagledavanje situacije i poređenje sa prethodnim periodom ukazuje na blagi kvantitativni pad rezultata: M20 (2012.god.- 97, 2013.god. - 81, 2014.god. - 83, 2015.god. -77 i 2016.god. -76) i posebno u broju publikovanih radova kategorija M50 (2012.god.- 58, 2013.god.- 51, 2014.god. - 39, 2015.god. – 42 i 2016.god.-24) (S1.2.).

Manje kvantitativni pad se uočava i u broju saopštenja na skupovima medjunarodnog značaja (2012.god.- 161, 2013.god.-174, 2014.god.-165, 2015.god.-191 i 2016.god.-158). Što se tiče citiranosti uočava se povećanje broja citiranih radova i ukupnog broja citata (2012.god.- 111 radova citirano 258 puta; 2013.god.-112 radova citirano 274 puta; 2014.god.- 145 radova citirano 318 puta; 2015.god.- 157 radova citirano 371 puta i 2016.god. – 202 rada citirano 474 puta).

Što se citiranosti tiče, uočava se povećana heterogenost citiranih autora, ali se i dalje izdvaja nekoliko istraživačkih grupa i pojedinaca u ukupnoj citiranosti za 2016. godinu, i to posebno: prof. dr

Milan Antonijević – 33 rada citirano 125 puta (ukupni broj radova 75 citirano 1037 puta; h-index 19); prof. dr Ž.Živković – 51 rad citiran 82 puta (ukupni broj radova 159 citirano 588 puta; h-index 11) i prof. dr Dragana Živković – 75 radova citirano 120 puta (*ukupni broj radova 218 citirano 600 puta; h-index 13*). (Navedeni podaci se odnose na citiranost bez autocitata.)

Radovi koje su publikovali nastavnici i saradnici TF Bor u 2016. godini objavljeni u časopisima M20 kategorije, pripadaju sledećim naučnim oblastima:

8 rada - *Field: Metallurgy & Metallurgical Engineering*

6 rada - *Field: Environmental Sciences*

5 rada - *Field: Computer Science, Artificial Intelligence*

4 rada - *Field: Materials Science, Multidisciplinary*

3 rada - *Field: Chemistry, Physical*

Field: Engineering, Multidisciplinary

2 rada - *Field: Mining & Mineral Processing*

Field: Mathematics

Field: Thermodynamics

1 rad - *Field: Chemistry, Analytical;*

Field: Chemistry, Multidisciplinary

Field: Engineering, Chemical

Field: Soil Science

Field: Agricultural Engineering

Field: Engineering, Environmental

Field: Electrochemistry

Field: Green & Sustainable Science & Technology Public,

Field: Environmental & Occupational Health

Field: Materials Science, Ceramics

Field: Water Resources

Field: Geochemistry & Geophysics; Mineralogy

Field: Geology

Field: Physics, Fluids & Plasmas

Field: Psychology, Multidisciplinary

Field: Computer Science, Information System

Field: Instruments, Instrumentation

Field: Business, Management and Accounting

U oblasti saradnje sa privredom u 2016.godini su radjene samo tehničke kontrole projekata. Kada su u pitanju projekti finansirani od strane MPNTR RS, s obzirom da je raspisani konkurs za novi projektni ciklus od 2016-2019/20 poništan, u 2016.godini je nastavljeno finasiranje tekućih projekta Vezano za tekući projektni ciklus kod MPNTR, i dalje su prisutni starni materijalno-finansijski problemi, te je u 2016.godini nabavljena sitnije oprema i materijal za rad.

Kao i svake godine, potpisani su brojni bilateralni sporazumi i ugovori o poslovno-tehničkoj saradnji sa relevantnim visokoškolskim organizacijama, naučnim institutima i drugim ustanovama iz srodnih oblasti iz Srbije i inostranstva.

Nastavljen je i uspešan rad akademskih mreža u kojima je TF Bor aktivni partner (Resita Network, MetNet, EURAXESS mreža, Srpska nacionalna mreža tehnoloških brokeri), posebno u

okviru Rešica mreže. Kroz aktuelne medjunarodne projekte i medjunarodne skupove koje Fakultet organizuje, ostvareni su dalji značajni kontakti sa respektabilnim akademskim i naučnim institucijama, što stvara povoljnu klimu za razvoj daljih aktivnosti u smislu medjunarodne razmene studenata i nastavnog osoblja.

U toku 2016.godine ostvarena je značajna mobilnost studenata i nastavnika u okviru medjunarodnih projekata. U okviru programa Evropske unije ERASMUS+KA1 studenti osnovnih i mater studija Odseka za Inženjerski menadžment su u toku 2016.godine imali mogućnost da deo školovanja (jedan semestar) ostvare u inostranstvu (Madjarska i Finska). U okviru medjunarodnog SATREPS projekata sa Japanom, studenti osnovnih studija iz Japana su boravili na Tehničkom fakultetu u Boru.

U oblasti izdavačke aktivnosti treba istaći da je štampan približno isti broj broj udžbeničke literature kao i ranijih godina, dok je po pitanju izdavanja časopisa stanje u 2016.godini isto kao u prethodnoj godini. Fakultet je nastavio da izdaje svoja četiri tradicionalna časopisa: Journal of Mining and Metallurgy, Section A: Mining (JMM-A); Journal of Mining and Metallurgy, Section B: Metallurgy (JMM-B), Serbian Journal of Management (SJM) i Reciklaža i održivi razvoj (ROR). Od 2016.godine Tehnički fakultet izdaje i prvi studenski časopis “Engineering Management“.

Tokom protekle godine, Fakultet je uspešno organizovao pet naučna skupa:

- XIV International Conference Ecological Truth (Eco-Ist 2016), Vrnjačka Banja, 12-16. jun 2016
- 12th International May Conference on Strategic Management (IMCSM2015), Bor, 28-30. maj 2016.
- XI International Symposium on Recycling Technologies and Sustainable Development (ISRTSD 2015), Bor, 4-7 novembar 2015
- 48th International October Conference on Mining and Metallurgy (IOC 2016), Bor, 28.septembar-1. oktobar 2016.
- VI International Symposium on Environmental and Materials Flow Management (EMFM 2016), Bor, 2-4. oktobar 2016.

Organizovana su i tri studentska naučna skupa. 2nd International Student Conference (ISC2016) organizovana kao samostalni studentski skup u periodu od 30.septembar-1. oktobar 2016. godine. U okviru skupova – IMCSM i ISRTSD nastavljeno je sa organizacijom sledećih studentskih simpozijuma: Studenski simpozijum o strategijskom menadžmentu i 4.Studenski simpozijum “Recklažne tehnologije i održivi razvoj”.

Tokom 2016. godine su nastavljene i započete akcije vezane za promociju i popularizaciju nauke kod mladih – održan je 5. Festival nauke - Karavan nauke Timočki Naučni Tornado “TNT 16” u Boru (učesnici na projektu pored TF Bor su: OŠ “3.oktobar” Bor, Tehnička škola Bor i Društvo mladih istraživača Bor) i 3. Festival nauke TNT Zaječar “TNT 16”, u saradnji sa OŠ “Desanka Maksimović” u Zaječaru. Drugi put je izvršena i promocija nauke u Negotinu organizovanjem 2. Festivala nauke TNT Negotin “TNT 16” u saradnji sa OŠ “Vuk Karadžić” Negotin. Dalje, po treći put u Boru, septembra 2016.godine održana je manifestacija BONIS 2016 - Borska noć istraživača, na kojoj je učestvovao veliki broj studenata, asistenata i saradnika.

Posebno treba istaći, da je u okviru proslave dana studenata Univerziteta u Beogradu (4.april 2016.godine) na Tehničkom fakultetu u Boru održana manifestacija XIV “Skok preko kože” studenata Tehničkog fakulteta u Boru nakon više od dve decenije pauze.

TF Bor je u prosloj godini imao i zapaženo učešće na tri sajma, i to:

- 60. Međunarodni sajam tehnike i tehničkih dostignuća u Beogradu, 16. do 20. maja 2016.god.
- 13. Međunarodni sajam obrazovanja - EDUfair u Beogradu, 11-12.marta 2016.god.
- 9.Sajam obrazovanja Zvonce, 26. do 30.oktobra 2016.god., održan u okviru 60. Međunarodnog sajma knjiga u Beogradu 2016.god.

Na osnovu izloženog, može se smatrati da su rezultati u oblasti NIR-a i medjunarodne saradnje tokom 2016. godine bili zadovoljavajući, ali da svakako treba raditi na tome da se stvore uslovi kako bi se u narednom periodu dalje unapredili i poboljšali

U Boru, 24. februar 2016.godine

Podnositelj izveštaja

Prof. dr Grozdanka Bogdanović

Prodekan za NIR i MS TF Bor

Prilog 1.

**PREGLED REZULTATA NIR-A KOJE SU OSTVARILI NASTAVNICI I SARADNICI
TF BOR U 2016. GODINI**

Tip rezultata/kategorija prema MPNTR	Broj ostvarenih rezultata
M13	6
M14	12
M17	2
M18	1
M21a	5
M21	7
M22	27
M23	20
M24	17
M28a	1
M29b	2
M31	7
M32	2
M33	132
M34	17
M36	5
M42	1
M45	1
M51	10
M52	9
M53	5
M55	2
M63	4
M64	2
M66	1
M71	4
Udžbenici	6

M13 - 6

1. S. Šerbula, T. Kalinović, J. Milosavljević, J. Stevanović: Aerosol Formation and their Reactions in the Air, Editors: Snežana M. Šerbula , Publisher: Nova Science Publishers , ISBN 978-1-53610-428-8, pp. 53 - 98, 2016
2. S. Šerbula, J. Kalinović, T. Kalinović, D. Živković, S. Kalinović: Biomonitoring of Metals and Metalloids by Medicinal Plant Species, Editors: Snežana M. Šerbula, Publisher: Nova Science Publishers , ISBN 978-1-53610-428-8, pp. 133 - 166, 2016
3. S. Šerbula, T. Kalinović, A. Radojević, N. Štrbac, M. Šteharnik : Biomonitoring of Cu, Pb, Zn, Mn, S, As, Cd and Ni by Soil, Woody Plants and Mosses, Editors: Snežana M. Šerbula, Publisher: Nova Science Publishers , ISBN 978-1-53610-428-8, pp. 167 - 208, 2016
4. S. Šerbula, J. Milosavljević, T. Kalinović, A. Radojević, J. Kalinović, B. Bugarski, J. Stevanović: Bioaerosols: Methods for Reducing Health Risks and Impact on the Environment , Editors: Gerald L. Burns, Publisher: Nova Science Publishers, ISBN 978-1-63485-374-3, pp. 69 - 98, 2016
5. S. Šerbula, A. Radojević, J. Kalinović, J. Milosavljević, M. Stevanović: Tropospheric Aerosols: Sources and Composition, Chapter 1 in "Air Quality: Aerosol and Biomonitoring", Editors: Snežana M. Šerbula, Publisher: Nova Science Publishers, ISBN 978-1-53610-428-8, pp. 1 - 52, 2016
6. S. Šerbula, J. Kalinović, A. Radojević, J. Milosavljević, M. Adžemović: Aerosols and Global Climate Change, Chapter 3 in: Air Quality: Aerosol and Biomonitoring, Editors: Snežana M. Šerbula, Publisher: Nova Science Publishers, ISBN 978-1-53610-428-8, pp. 99 - 132, 2016

M14 - 12

1. L. Andrić, A. Terzić, S. Pašalić, M. Petrov, D. Radulović: The Effects of the Phosphates' Mechanical Activation, Editors: William E. Lee, Rainer Gadow, Vojislav Mitic, Nina Obradovic, Publisher: Springer, ISBN ISBN : 978-94-6239-156-7 (Print), 978-94-6239-157-4 (Online), pp. 339 - 351, 2016
2. D. Brodić, A. Amelio, I. Draganov: Response Time Analysis of Text-Based CAPTCHA by Association Rules, Editors: Christo Dichev Gennady Agre, Publisher: Springer-Verlag, Printed by Springer International Publishing Switzerland, ISBN 978-3-319-44747-6, pp. 78 - 88, 2016
3. I. Milošević, D. Voza, D. Durkalić, I. Mihajlović: Environmental awareness as a universal European Value, Editor: Ivan Mihajlović, Publisher: Univerzitet u Beogradu, Tehnički fakultet u Boru, Printed by Happy: Zaječar, ISBN 978-86-6305-044-0, pp. 1 - 216, 2016
4. I. Jovanović, Đ. Nikolić, N. Milijić: Environmental awareness as a universal European Value, Editor: Ivan Mihajlović, Publisher: University of Belgrade, Technical Faculty in Bor, Printed by Happy, Zajecar, Serbia, pp. 178 - 200, 2016
5. D. Durkalić, A. Fedajev, D. Riznić: Macroeconomic Effects Of Natural Disasters – The Case of Visegrad Countries And Serbia, Editors: Editor: Ivan Mihajlović, Publisher: Univerzitet u Beogradu, Tehnički fakultet u Boru, Printed by Happy, Zajecar, ISBN 978-86-6305-044-0, pp. 107 - 124, 2016
6. I. Nikolić, I. Milošević, N. Milijić, I. Mihajlović: Environmental awareness as a universal European Value; Impact on the environment on selection of adequate technology for the copper smelting, Editor: Ivan Mihajlović, Publisher: University of Belgrade, Technical Faculty in Bor, Printed by Happy, Zajecar, ISBN 978-86-6305-044-0, pp. 168 - 177, 2016
7. P. Đorđević, D. Voza, M. Vuković: Implemetation of control charts in environmental monitoring of water quality, Editors: Ivan Mihajlović, Publisher: University of Belgrade,

Technical Faculty in Bor, Engineering Management Department (EMD), Printed by Happy, Zajecar, ISBN 978-86-6305-044-0, pp. 202 - 216, 2016

8. A. Stojanović, I. Mihajlović, P. Schulte: Corporate Social Responsibility- Environmental Aspects, Editors: Ivan Mihajlović, Publisher: University of Belgrade, Technical Faculty in Bor, Printed by Printed by Happy, Zaječar, ISBN 978-86-6305-044-0, pp. 51 - 66, 2016
9. M. Vuković, S. Urošević, N. Štrbac: Citizens' Environmental Consciousness at Local Level: The Case of Mining-Metallurgical Area in Eastern Serbia. Monografija, Environmental awareness as a universal European Value, Editors: Ivan Mihajlović, Publisher: Tehnički fakultet u Boru, Univerzitet u Beogradu, Printed by Happy, Zaječar, ISBN 978-86-6305-044-0 , pp. 136 - 150, 2016
10. M. Arsić, D. Voza, A. Fedajev, M. Savić: Examining of students' population attitudes towards environmental problems, Editors: Ivan Mihajlović; Publisher: University of Belgrade, Technical faculty in Bor, Printed by Happy, Zajecar, ISBN 978-86-6305-044-0, pp. 84 - 94, 2016
11. D. Voza, I. Milošević, D. Durkalić, I. Mihajlović: Environmental awareness of European youth: A comparative study, Editors: Ivan Mihajlović; Publisher: University of Belgrade, Technical faculty in Bor, Printed by Happy, Zaječar, ISBN 978-86-6305-044-0, pp. 5 - 18, 2016
12. I. Milošević, S. Arsić: Effects of Ecological Awareness Through The Evaluation of Scientific Contribution, Editors: Prof. dr Ivan Mihajlović, Publisher: University of Belgrade, Technical Faculty in Bor, Printed by Happy, Zajecar, ISBN 978-86-6305-044-0, pp. 29 - 39, 2016

M17 - 2

1. S. Šerbula: Air Quality; Aerosol and Biomonitoring, Editors: Šerbula M. Snežana , Publisher: NOVA Publishers, New York, Printed by NOVA Science Publishers, New York, ISBN 978-1-53610-428-8, pp. 1 - 216, 2016
2. I. Mihajlović: Environmental awareness of European youth: Editors: Ivan Mihajlović; Publisher: University of Belgrade, Technical faculty in Bor, Printed by Happy, Zaječar, ISBN 978-86-6305-044-0, pp.--. 2016

M18 - 1

1. Z. Stević: Supercapacitor Design and Applications, Editors: Zoran Stevic, Publisher: Intech, Rijeka, Printed by Intech, Rijeka, ISBN 978-953-51-2749-9, pp. - -, 2016

M21a. -5

1. D. Manasijević, D. Minić, M. Premović, L. Balanović, D. Živković, I. Manasijević, S. Mladenović: Thermodynamic calculations and characterization of the Bi–Ga–In ternary alloys, Journal of Alloys and Compounds, ISSN 0925-8388, Vol. 664, pp. 199 - 208, 2016, [Impact factor (IF) 3,014/2015 Metallurgy & Metallurgical Engineering] *Metallurgy & Metallurgical Engineering*
2. D. Manasijević, D. Minić, L. Balanović, M. Premović, M. Gorgievski, D. Živković, D. Milisavljević: Experimental investigation and thermodynamic prediction of the Al-Bi-In phase diagram, Journal of Alloys and Compounds, ISSN 0925-8388, Vol. 687, pp. 969 - 975, 2016, [Impact factor (IF) 3,014/2015] *Metallurgy & Metallurgical Engineering*
3. I. Marković, S. Nestorović, M. Boštjan, M. Premović, S. Šturm: Anneal hardening in cold rolled PM Cu-Au alloy, Materials Science & Engineering A, ISSN 0921-5093, Vol. 658, pp. 393 - 399, 2016, [Impact factor (IF) 2.647/2015] *Metallurgy & Metallurgical Engineering*

4. I. Marković, S. Nestorović, M. Boštjan, M. Premović, S. Mladenović: Study of anneal hardening in cold worked Cu-Au alloy, *Journal of Alloys and Compounds*, ISSN 0925-8388, Vol. 658, pp. 414 - 421, 2016, [Impact factor (IF) 3.014/2015] *Metallurgy & Metallurgical Engineering*
5. M. Pavlovic, M. Dojcinovic, S. Martinovic, M. Vlahovic, Z. Stević, T. Volkov: Non destructive monitoring of cavitation erosion of cordierite based coatings, *Composites Part B Engineering*, ISSN 1359-8368, Vol. 97 (2016), pp. 84 - 91, 2016, [Impact factor (IF) 3.901/2015] *Engineering, Multidisciplinary*

M21 - 7

1. T. Kalinović, S. Šerbula, A. Radojević, J. Kalinović, M. Steharnik, J. Petrovic: Elder, linden and pine biomonitoring ability of pollution emitted from the copper smelter and the tailings ponds, *Geoderma*, ISSN 0016-7061, Vol. 262, pp. 266 - 275, 2016, [Impact factor (IF) 2.855/2015] *Soil Science*
2. S. Tošić, S. Alagić, M. Dimitrijević, A. Pavlović, M. Nujkić: Plant parts of the apple tree (*Malus spp.*) as possible indicators of heavy metal pollution, *AMBIO: a journal of the human environment*, ISSN 0044-7447, Vol. 45, No. 4, pp. 501 - 512, 2016, [Impact factor (IF) 2.555/2015] *Environmental Sciences*
3. V. Stanković, M. Gorgievski, D. Božić: Cross-flow leaching of alkali and alkaline-earth metals from sawdust and wheat straw – Modelling of the process, *Biomass and Bioenergy*, ISSN 0961-9534, Vol. 88, pp. 17 - 23, 2016, [Impact factor (IF) 3.294/2015] *Agricultural Engineering*;
4. S. Alagić, V. Stankov Jovanović, V. Mitić, J. Cvetković, G. Petrović, G. Stojanović: Bioaccumulation of HMW PAHs in the roots of wild blackberry from the Bor region (Serbia): Phytoremediation and biomonitoring aspects, *Science of the Total Environment*, ISSN 0048-9697, Vol. 562, pp. 561 - 570, 2016, [Impact factor (IF) 3.976/2015] *Environmental Sciences*
5. D. Brodić, A. Amelio: Detecting of the Extremely Low Frequency Magnetic Field Ranges for Laptop in Normal Operating Condition or Under Stress, *Measurement*, ISSN 0263-2241, Vol. 91, No. September, pp. 318 - 341, 2016, [Impact factor (IF) 1.742/2015] *Engineering, Multidisciplinary*
6. M. Premović, P. Brož, D. Minić, D. Manasijević, D. Živković, V. Čosović, A. Đorđević: Thermodynamic assessment and experimental study of the Al-Ag-Ga phase diagram, *Thermochimica Acta*, ISSN 0040-6031, Vol. 646, pp. 39 - 48, 2016, [Impact factor (IF) 1.938/2015] *Thermodynamics*
7. D. Manasijević, D. Živković, S. Arsić, I. Milošević: Exploring students' purposes of usage and educational usage of Facebook, *Computers in Human Behavior*, ISSN 0747-5632, Vol. 60, pp. 441 - 450, 2016, [Impact factor (IF) 2.880/2015] *Psychology, Multidisciplinary*

M22 - 27

1. M. Dimitrijević, M. Nujkić, S. Alagić, S. Milić, S. Tošić: Heavy metal contamination of topsoil and parts of peach-tree growing at different distances from a smelting complex, *International Journal of Environmental Science and Technology*, ISSN 1735-1472, Vol. 13, pp. 615 - 630, 2016, [Impact factor (IF) 2.344/2015] *Environmental Sciences*
2. A. Ivanović, B. Trumić, S. Ivanov, S. Marjanović, M. Zrilić, B. Petković, T. Volkov-Husović: Optimisation of the Recrystallisation Annealing Regime of Pd-5Ni Alloy - Using experimental design and statistical analysis to understand the metallurgical properties of palladium alloy for ammonia oxidation catchment gauze applications, *Johnson Matthey Technology Review (Alternativni naslov: Platinum Metals Review)*, ISSN 2056-5135 (vidi 0032-1400, Alternativni naslov), Vol. 60, No. 1, pp. 31 - 38, 2016, [Impact factor (IF) 2.704/2015] *Chemistry, Physical*

3. M. Nujkić, M. Dimitrijević, S. Alagić, S. Tošić, J. Petrović: Impact of metallurgical activities on the content of trace elements in the spatial soil and plant parts of Rubus fruticosus L., Environmental Science Processes & Impacts, ISSN 2050-7887, Vol. 18, pp. 350 - 360, 2016, [Impact factor (IF) 2.401/2015] *Environmental Sciences*
4. M. Dimitrijević, D. Urošević, Z. Janković, S. Milić: Recovery of copper from smelting slag by sulphation roasting and water leaching, Physicochemical Problems of Mineral Processing, Vol. 52, No. 1, pp. 409 - 421, 2016, [Impact factor (IF) 0,977/2015] *Mining & Mineral Processing*
5. S. Šerbula, V. Stanković , D. Živković , Ž. Kamberović , M. Gorgievski, T. Kalinović: Characteristics of Wastewater Streams within the Bor Copper Mine and their Influence on Pollution of the Timok River, Serbia, Mine Water and the Environment, ISSN 1025-9112, Vol. 35, No. 4, pp. 480 - 485, 2016, [Impact factor (IF) 0,864/2015] *Water Resources*
6. D. Brodić, D. Tanikić, A. Amelio: An approach to evaluation of the extremely low-frequency magnetic field radiation in the laptop computer neighborhood by artificial neural networks, Neural Computing and Applications, ISSN 0941-0643, Vol. -, No. -, pp. 1 - 13, 2016, [Impact factor (IF) 1.492 /2015] *Computer Science, Artificial Intelligence*
7. D. Brodić, A. Amelio, Z N.Milivojević: Language discrimination by texture analysis of the image corresponding to the text, Neural Computing and Applications, ISSN 0941-0643, pp. , 2016, [Impact factor (IF) 1.492 /2015] *Computer Science, Artificial Intelligence*
8. J. Đoković, R. Nikolić, D. Šumarac, J. Bujnak: Analysis based on the energy release rate criterion of a dynamically growing crack approaching an interface, International Journal of Damage Mechanic, ISSN 1056-7895, Vol. 25, No. 8, pp. 1170 - 1183, 2016, [Impact factor (IF) 1,362/2015] *Mechanics*
9. A.Murariu, D. M. Veljic, D. R. Barjaktarevic, M. P. Rakin, N. A. Radovic. A.S. Sedmak J.M.Djokovic, Influence of Material Velocity on Heat Generation During Linear Welding Stage of Friction Stir Welding (Article), Thermal Science, ISSN 0354-9836 , vol. 20 br. 5, pp. 1693-1701, 2016, [Impact factor (IF) 0,939/2015] *Thermodynamics*
10. D. Brodić, A. Amelio, Z. Milivojevic: Clustering documents in evolving languages by image texture analysis, Applied Intelligence, ISSN 0924-669X, Vol. -, No. -, pp. 1 - 18, 2016, [Impact factor (IF) 1.215/ 2015] *Computer Science: Artificial Intelligence*
11. D. Brodić, A. Amelio, Z. Milivojevic: An approach to the language discrimination in different scripts using adjacent local binary pattern, Journal of Experimental and Theoretical Artificial Intelligence , ISSN 0952-813X, Vol. -, No. -, pp. 1 - 19, 2016, [Impact factor (IF) 1.703 /2015] *Computer Science: Artificial Intelligence*
12. M. S. Trumić, M. Antonijević: Toner recovery from suspensions with fiber and comparative analysis of two kinetic models, Physicochemical Problems of Mineral Processing, ISSN 1643-1049, Vol. 52, No. 1, pp. 5 - 17, 2016, [Impact factor (IF) 0,977/2015] *Mining & Mineral Processing*
13. M. S. Trumić, M. Trumić, B. Vujić, L. Andrić, G. Bogdanović: Results of fibre and toner flotation depending on oleic acid dosage, Waste Management & Research, ISSN 1096-3669, Vol. 34, No.9, pp. 969- 974, 2016, [Impact factor (IF) 1,553/2015] *Engineering, Environmental*
14. I. Đolović, E. Malkowsky, K. Petković: New Approach to Some Results related to Mixed Norm Sequence Spaces, Filomat, ISSN 0354-5180, Vol. 30, No. 1, pp. 83 - 88, 2016, [Impact factor (IF) 0,635/2015] *Mathematics*
15. I. Đolović, E. Malkowsky: Characterization of Some Classes of Compact Operators Between Certain Matrix Domains of Triangles, Filomat, ISSN 0354-5180, Vol. 30, No. 5, pp. 1327 - 1337, 2016[Impact factor (IF) 0,635/2015] *Mathematics*

16. M. Savić, I. Mihajlović, P. Đorđević, Ž. Živković: ANFIS-Based Prediction of the Decomposition of Sodium Aluminate Solutions in the Bayer Process, *Chemical Engineering Communications*, ISSN 0098-6445 , Vol. 203, No. 8, pp. 1053 - 1061, 2016, [Impact factor (IF) 1.433/2015] *Engineering, Chemical*
17. M. Savić, P. Đorđević, I. Milošević, I. Mihajlović, Ž. Živković: Assessment of the ISO 9001 functioning on an example of relations with suppliers development: empirical study for transitional economy conditions, *Total Quality Management & Business Excellence*, ISSN 1478-3363, pp. 1 - 22, 2016, [Impact factor (IF) 0.896/2015] *Business, Management and Accounting*
18. Ž. Tasić, M. Antonijević, M. Petrović Mihajlović, M. Radovanović: The influence of synergistic effects of 5-methyl-1H-benzotriazole and potassium sorbate as well as 5-methyl-1H-benzotriazole and gelatin on the copper corrosion in sulphuric acid solution, *Journal of Molecular Liquids*, ISSN 0167-7322, Vol. 219, pp. 463 - 473, 2016, [Impact factor (IF) 2.740/2015] *Chemistry, Physical; Physics, Atomic, Molecular & Chemical*
19. D. Tanikić, V. Marinković, M. Manić, G. Devedžić, S. Randelović: Application of response surface methodology and fuzzy logic based system for determining cutting temperature, *Bulletin of the Polish academy of sciences, Technical Sciences*, ISSN 0239-7528 (print), 2300-1917 (online), Vol. 64, No. 2, pp. 435 - 445, 2016, [Impact factor (IF) 1.087/2015] *Engineering, Multidisciplinary*
20. Ž. Tasić, M. Petrović Mihajlović, M. Antonijević: The influence of chloride ions on the anti-corrosion ability of binary inhibitor system of 5-methyl-1H-benzotriazole and potassium sorbate in sulfuric acid solution, *Journal of Molecular Liquids*, ISSN 0167-7322, Vol. 222, pp. 1 - 7, 2016, [Impact factor (IF) 2.740/2015] *Chemistry, Physical;*
21. Ž. Tasić, M. Antonijević: Copper corrosion behaviour in acidic sulphate media in the presence of 5-methyl-1H-benzotriazole and 5-chloro-1H-benzotriazole, *Chemical Papers*, ISSN 0366-6352 (print); 1336-9075 (online), Vol. 70, No. 5, pp. 620 - 634, 2016, [Impact factor (IF) 1.326/2015] *Chemistry, Multidisciplinary*
22. A. Trajković, I. Milošević: Model to determine the economic and other effects of standardisation – a case study in Serbia, *Total Quality Management & Business Excellence*, pp. , 2016, [Impact factor (IF) 0.896/2016]
23. Č. Maluckov, S. Mladenović: Breakdown in Low Pressure Ne Gas: Mechanisms and Statistical Analysis of Time Delay, *IEEE Transactions on Dielectrics and Electrical Insulation*, Vol. 23, No. 1, pp. 202 - 210, 2016, [Impact factor (IF) 1.306/2015] *Engineering, Electrical & Electronic*
24. Č. Maluckov: Investigation of Influence of Cathode Surface Conditioning on Mechanisms of Electrical Breakdown, *IEEE Transactions on Dielectrics and Electrical Insulation*, Vol. 23, No. 6, pp. 3294 - 3302, 2016, [Impact factor (IF) 1.306/2015] *Engineering, Electrical & Electronic*
25. L. Gomidzelovic, D. Živković, L. Balanović, D. Manasijević: Ternary Au-Ga-Sb system: calculation of thermodynamic properties using general solution model, *Rare Metals*, ISSN 1001-0521, Vol. 35, No. 3, pp. 262 - 268, 2016, [Impact factor (IF) 0.957/2015] *Metallurgy & Metallurgical Engineering*
26. M. Cocić, M. Logar, B. Matović, S. Dević, T. Volkov – Husović, S. Cocić, V. Tasić: Final flotation waste kinetics of sintering at different heating regimes, *Science of Sintering*, ISSN 0350-820X, Vol. 48, No. 2, pp. 197 - 208, 2016, [Impact factor (IF) 0.781/2015] *Materials Science, Ceramics*
27. A. Pacevcki, V. Cvetkovic, K. Saric, E. Hoefer, M. Banješević: Manganese mineralization in andesites of Brestovačka Banja, Serbia: evidence of sea-floor exhalations in the Timok Magmatic Complex, *Mineralogy and Petrology*, ISSN 0930-0708, Vol. 110(4), No. Springer-

M23 – 20

1. D. Brodić, Z. Milivojevic: Text Line Segmentation with the Parametric Water Flow Algorithm, *Information Technology And Control*, ISSN 1392–124X, Vol. 45, No. 1, pp. 52 - 61, 2016, [Impact factor (IF) 0.633/2015] *Computer Science, Information Systems; Automation & Control Systems*
2. D. Brodić: Analysis of the Extremely Low Frequency Magnetic Field Emission from Laptop Computers, *Metrology and Measurement Systems*, ISSN 0860-8229, Vol. 23, No. 1, pp. 143 - 154, 2016, [Impact factor (IF) 1.140/2015] *Instruments & Instrumentation*
3. D. Brodić, A. Amelio, Z. Milivojevic: Identification of Fraktur and Latin Script in German Historical Documents Using Image Texture Analysis, *Applied Artificial Intelligence*, ISSN 0883-9514, Vol. 30, No. 5, pp. 379 - 395, 2016, [Impact factor (IF) 0.540/2015] *Engineering, Electrical & Electronic; Computer Science, Artificial Intelligence*
4. B. Stojčetović, Đ. Nikolić, V. Velinov, D. Bogdanović: Application of integrated strengths, weaknesses, opportunities, and threats and analytic hierarchy process methodology to renewable energy project selection in Serbia, *Journal of Renewable and Sustainable Energy*, ISSN 1941-7012, Vol. 8, pp. , 2016, [Impact factor (IF) 0.961/2015] *Green & Sustainable Science & Technology*
5. D. Bogdanović, V. Stanković, S. Urošević, M. Stojanović: Multicriteria ranking of workplaces regarding working conditions in a mining company, *International Journal of Occupational Safety and Ergonomics*, ISSN 1080-3548, pp. , 2016, [Impact factor (IF) 0.381/2015] *Public, Environmental & Occupational Health*
6. R. Nikolić, J. Đoković, J. Bujnak: Optimization of the sandwich column with the truss core which is subjected to the compressive loading, *Civil and environmental engineering*, ISSN 1336-5835, Vol. 12, No. 1, pp. 47 - 54, 2016, Impact factor (IF) 0.891/2015] *Engineering, Civil*
7. S. Alagić, S. Tošić, M. Dimitrijević, J. Petrović, D. Medić: The characterization of heavy metals in the grapevine (*Vitis vinifera*) cultivar Rkatsiteli and wild blackberry (*Rubus fruticosus*) from East Serbia by ICP-OES and BAFs, *Communications in Soil Science and Plant Analysis*, ISSN 0010-3624, Vol. 47, No. 17, pp. 2034 - 2045, 2016, [Impact factor (IF) 0.529/2015] *Chemistry, Analytical; Soil Science; Plant Sciences*
8. F. Jovanović, N. Milijić, M. Dimitrova, I. Mihajlović: Risk Management Impact Assessment on the Success of Strategic Investment Projects: Benchmarking Among Different Sector Companies, *Acta Polytechnica Hungarica*, ISSN 1785-8860, Vol. 13, No. 5, pp. 221 - 241, 2016, [Impact factor (IF) 0.544/2015] *Engineering, Multidisciplinary*
9. M. Radovanović, M. Antonijević: Inhibition of Brass Corrosion by 2-Mercapto-1-methylimidazole in Weakly Alkaline Solution, *Journal of Materials Engineering and Performance*, ISSN 1059-9495, Vol. 25, No. 3, pp. 921 - 937, 2016, [Impact factor (IF) 1,094/2015] *Materials Science, Multidisciplinary*
10. I. Jovanović, Đ. Nikolić, M. Savić, Ž. Živković: Batch composition optimization for the copper smelting process on the example of copper smelter in Bor, *Environmental Engineering and Management Journal*, ISSN 1582-9596; 1843-3707 (Online), Vol. 15, No. 4, pp. 791 - 799, 2016, [Impact factor (IF) 1,008/2015] *Environmental Science*
11. I. Jovanović, M. Savić, Ž. Živković, B. Boyanov S., A. Peltekov: An linear programming model for batch optimization in the ecological zinc production, *Environmental Modeling and Assessment*, ISSN 1420-2026 (Print); 1573-2967 (Online), Vol. 21, No. 4, pp. 455 - 465, 2016, [Impact factor (IF) 1,011/2015] *Environmental Science*
12. S. Mladenović, D. Manasijević, B. Maluckov, I. Marković, S. Marjanović, D. Živković: Solidification properties and microstructure investigation of the as-cast Sn-rich alloys of the

Sn–Sb–Zn ternary system, Kovove Materialy = Metallic Materials, ISSN 1338-4252 (online), 0023-432X (printed), Vol. 54, No. 3, pp. 211 - 218, 2016, [Impact factor (IF) 0.365/2015] *Metallurgy & Metallurgical Engineering; Materials Science, Multidisciplinary*

13. Č. Maluckov, S. Rančev, R. Miodrag: Applying the Di®erent Statistical Tests in Analysis of Electrical Breakdown Mechanisms in Nitrogen Filled Gas Diode, *Plasma Science and Technology*, Vol. 18, No. 10, pp. 978 - 986, 2016, [Impact factor (IF) 0.659/2015] *Physics, Fluids & Plasmas*
14. M. Premovic, D. Manasijević, D. Minic, D. Živković: Study of electrical conductivity and hardness of ternary Ag-Ge-Sb system alloys and isothermal section calculation at 300 °C, *Kovove Materialy - Metallic Materials*, ISSN 0023-432X, Vol. 54, No. 1, pp. 45 - 53, 2016, [Impact factor (IF) 0.365/2015] *Metallurgy & Metallurgical Engineering; Materials Science, Multidisciplinary*
15. L. Gomidzelovic, E. Pozega, A. Kostov, N. Vukovic, D. Živković, D. Manasijević: Thermodynamic properties and microstructures of different shape-memory alloys, *Materials and Technology (Materiali in Tehnologije)*, ISSN 1580-2949, Vol. 50, No. 1, pp. 47 - 53, 2016, [Impact factor (IF) 0.439/2015] *Materials Science, Multidisciplinary*
16. S. Dimitrijević, M. Rajčić Vujsinović: Microhardness of decorative gold coatings obtained from gold complex based on mercaptotriazole: Comparison with cyanide, *International Journal of Materials Research*, ISSN 1862-5282, Vol. 107, No. 7, pp. 624 - 630, 2016, [Impact factor (IF) 0.649/2015] *Metallurgy & Metallurgical Engineering*
17. S. Dimitrijević, Z. Lazarević, M. Rajčić Vujsinović, S. Dimitrijević, M. Petrović, M. Gilić, B. Jokić: Raman spectroscopy study of anodic film on Ag43Cu37Zn20 alloy, *Optoelectronics and Advanced Materials - Rapid Communications*, vol. , iss. (2016) -, ISSN IF(2015)= (252/271), ISSN 1842-6573, Vol. 10, No. 9-10, pp. 777 - 780, 2016, [Impact factor (IF) 0.412/2015] *Materials Science, Multidisciplinary*
18. V. Grekulović, M. Rajčić Vujsinović, Z. Stević: Electrochemical Characterization of a Commercial Au-Ag-Cu Alloy in an Acidic Medium, *International Journal of Electrochemical Science*, ISSN 1452-3981 , Vol. 11, No. 1, pp. 165 - 174, 2016, [Impact factor (IF) 1,692/2015] *Electrochemistry*
19. B. Trumić, L. Gomidželović, S. Marjanović, A. Ivanović, V. Krstić, S. Dimitrijević: Pt-Pd system: Investigation of mechanical properties, *Kovove materialy-Metallic materials*, ISSN 0023-432X, Vol. 54, No. 3, pp. 139 - 145, 2016, [Impact factor (IF) 0,365/2015] *Metallurgy & Metallurgical Engineering; Materials Science, Multidisciplinary*
20. M. Banješević, R. Jelenkovic, D. Milovanovic, D. Kozelj: The Mineral Resources of the Bor Metallogenic Zone: A Review, *Geologia Croatica*, ISSN 1333-4875, Vol. 61, No. Croatian Geological Survey, pp. 143 - 155, 2016, [Impact factor (IF) 0.702/2015] *Geology*

M24 – 17

1. S. Alagić, D. Medić, M. Dimitrijević, S. Tošić, M. Nujkić: Phytoremediation potential of the grapevine in regard to lithium, *Zaštita materijala/Materials protection*, ISSN 0351-9465, Vol. 57, No. 3, pp. 371 - 377, 2016
2. J. Đoković, R. Nikolić, J. Bujnak, A. Sedmak: Influence of welded geometry on cylindrical welded joint life, *Structural Integrity and Life*, ISSN 1451-3749, Vol. 16, No. 1, pp. 35 - 38, 2016
3. S. Miletić, D. Bogdanović, D. Milanović: Advantages of Implementation the Process Model for Sustainable Business Operations of Mining Companies, *Mining & Metallurgy Engineering Bor*, ISSN 2334-8836, No. 3, pp. 71 - 82, 2016
4. I. Mihajlović, D. Voza, I. Milošević, D. Durkalić: Editors Note: Environmental awareness as a universal European value, *Serbian Journal of Management*, ISSN 1452-4864, Vol. 11, No. 2, pp. 149 - 153, 2016, [Impact factor (IF) 0.18/2015]

5. M. Radovanović, M. Petrović Mihajlović, M. Antonijević: 2-Amino-5-Ethyl-1,3,4-Thiadiazole as Inhibitor of Brass Corrosion in 3% NaCl , Metallurgical & Materials Engineering, Vol. 22, Pp. 51 - 60, 2016
6. N. Vušović, M. Strak, M. Vukovic: Integrated Information System – Needs Modern Business Companies RTB Bor, The International Scientific Journal of Management Information Systems, ISSN 1452-774X, pp. , 2016
7. N. Vušović, M. Vukovic, I. Svrkota, P. Stojković: Possibility for Application of Gis Technologies in Rtb Bor Group, Mining and Metallurgy Engineering Bor, ISSN 2334-8836, Vol. 3, pp. , 2016
8. G. Bogdanović, V. Stanković, M. S. Trumić, D. Antić, M. Trumić: Leaching of Low-Grade Copper Ores: A Case Study for " Kraku Bugaresku-Cementacija" Deposits (Eastern Serbia), Journal of Mining and Metallurgy, Section A: Mining, ISSN 1450-5959, Vol. 52, No. 1, pp. 45 - 56, 2016
9. S. Urošević, N. Milijić, N. Đorđević Maljković, D. Karabašević: Indicators of Motivation and Employee Satisfaction in Public Enterprise – Case Study of PE “Post of Serbia”, Industrija, ISSN 0350-0307, Vol. 44, No. 3, pp. 77 - 95, 2016
10. V. Grekulović, M. Rajčić Vujsinović, Z. Stević: Uticaj vremena stajanja u rastvoru benzotriazola na anodno ponašanje legure AgCu50, Zaštita Materijala, Vol. 57, No. 4, pp. 577 - 581, 2016
11. T. Rajić, I. Nikolić, I. Milošević: The Antecedents of SMEs' Customer Loyalty: Examining the role of Service Quality, Satisfaction and Trust , Industrija, Vol. 44, No. 3, pp. 97 - 116, 2016
12. A. Ivanović, B. Trumić, S. Ivanov, S. Marjanović, S. Dimitrijević, V. Marjanović: Effects of recrystallization annealing on mechanical properties of cold-rolled PdNi5 strips, Metallurgical and Materials Engineering, ISSN 2217-8961, Vol. 22, No. 1, pp. 17 - 24, 2016, [Impact factor (IF) /-2016]
13. B. Denić, Z. Perić, V. Despotović: Forward Adaptive Speech Coding With Low Bit Rates and Variable Word Length, Facta Universitatis, Series: Automatic Control and Robotics, ISSN 1820-6417, Vol. 15, No. 3, pp. 125 - 136, 2016
14. M. Sokić, V. Matković, B. Marković, V. Manojlović, N. Štrbac, D. Živković: Complex sulphide-barite ore leaching in ferric chloride solution, Metallurgical and Materials Engineering, ISSN 2217-8961, Vol. 22, No. 2, pp. 81 - 89, 2016
15. M. Maksimović, S. Urošević, D. Stanujkić, D. Karabašević: Selection of a Strategy of the Development of Mining Tourism Based on a Grey Relational Analysis, Mining and Metallurgy Engineering Bor, ISSN 2334-8836, No. 1, pp. 115 - 124, 2016
16. M. Petrov, Ž. Sekulić, L. Andrić, D. Radulović: Checking the Formulation Modeling Process of Industrial Mill for Different Types of Grinding Bodies , Mining and Metallurgy Engineering Bor, ISSN 2334-8836, Vol. 2, pp. 47 - 54, 2016
17. J. Đoković, R. Nikolić: Influence of the joint geometry on the stress intensity factor of the fillet welded cruciform joint subjected to tension and bending, Materials Today: Proceedings, ISSN 2214-7853, Vol. 3, No. 4, pp. 959 - 964, 2016

M28a – 1

1. D. Živković: Journal of Mining and Metallurgy, Section B: Metallurgy, ISSN 1450-5339, pp. , 2016, [Impact factor (IF) 1,239/2015]

M29b - 2

1. M. Trumić, M. Banješević, J. Sokolović: JMM Section A - Mining Volume 52 (1) 2016, Journal of Mining and Metallurgy, Section A - Mining, ISSN 1450-5959, Vol. 52, No. 1, pp. 1 - 63, 2016

2. Mihajlović: Serbian Journal of Management, ISSN 1452-4864, 2016. I. Mihajlović: Serbian Journal of Management, ISSN 1452-4864, 2015.

M31 - 7

1. D. Tanikić: Electrical and mechanical assemblies in wind turbines, The 4th International Conference on Renewable Electrical Power Sources, Beograd, Sava centar, Serbia, 2016, pp. 27 - 34
2. M. Dimitrijević, S. Milić, M. Radovanović, Z. Štirbanović, J. Sokolović: Mining and Its Environmental Impact, XI International Symposium on Recycling Technologies and Sustainable Development, Hotel Albo Bor, Serbia, 2016, pp. 8 - 23
3. I. Marković, D. Marković, S. Mladenović, R. Todorović, A. Kostov: Effect of Annealing Temperature on the Properties of Rolled Cu-Pd alloys, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 423 - 426
4. M. Vuković, S. Urošević: Studying the corporate social responsibility practice in extractive industries , 48 th International October Conference on Mining and Metallurgy, IOC 2016, Bor, Serbia, 2016, pp. 19 - 22
5. Ž. Živković, I. Mihajlović, M. Arsić: Modelling the process of ground-level ozone formation and its distribution in urban areas, 6th International Symposium on Environmental and Material Flow Management – EMFM16 , Bor, Serbia, 2016, pp. 11 - 18
6. D. Živković, N. Šrbac, J. Lamut, M. Sokić: Review of the results and activities in the field of archaeometallurgical findings investigations from different localities in eastern Serbia, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 12 - 14
7. S. Arsić, I. Mihajlović: Significance of Corporate Social Responsibility and Its Most Important Dimensions, International Symposium on Environmental and Material Flow Management – EMFM 2016, Hotel Albo, Bor, Serbia, 2016, pp. 246 - 263

M32 - 2

1. P. Đorđević, M. Savić, I. Milošević, I. Mihajlović, Ž. Živković: Assessment of the functioning of ISO 9001 on developing relations with suppliers, XII International May Conference on Strategic Management - IMKSM16, Bor, Serbia, Serbia, 2016, pp. p37 - p37
2. D. Živković, Z. Stanojevic Simsic, D. Manasijević, T. Holjevac Grguric: Experimental investigation of Cu-Al-Au shape memory alloys, 25th Symposium on Thermal analysis and calorimetry – Eugen Segal, Bucharest, Romania, 2016, pp. 28 - 28

M33 - 132

1. D. Brodić, A. Amelio, Z. Milivojevic: A New Image Analysis Framework for Latin and Italian Language Discrimination, First Workshop on Modeling, Learning, and Mining for Cross/Multilinguality (MultiLingMine 2016) co-located as a part of ECIR 2016, Padova, Italy, 2016, pp. 46 - 55
2. G. Kulic, V. Radojicic, S. Alagić, M. Malnar, N. Mandic: Usability of Tobacco Waste in Reconstituted Tobacco Production, International Conference "Ecological Truth", ECO-IST'16, Hotel "Breza" Vrnjacka Banja, Serbia, 2016, pp. 245 - 252
3. D. Bogdanović, I. Jovanović, N. Milijić: Multi-criteria analysis of advantages of implementation of Project Portfolio Management, XII International May Conference on Strategic Management - IMKSM2016 , Bor, Serbia, 2016, pp. 185 - 195
4. I. Jovanović, D. Bogdanović, N. Milijić: The impact of occupational safety elements on the achievement of project goals within project-based organizations in the Jablanica District, International May Conference on Strategic Management - IMKSM2016 , Bor, Serbia, 2016, pp. 745 - 758

5. N. Milijić, I. Mihajlović, I. Jovanović, D. Bogdanović: Multi-criteria analysis of occupational safety in project-based organizations, XII International May Conference on Strategic Management - IMKSM2016 , Bor, Serbia, 2016, pp. 825 - 835
6. U. Stamenković, S. Ivanov, I. Marković: Optical microscopy and SEM/EDS analysis of phases in age hardenable and recyclable aluminum alloys from 6000 series, XXIV International Conference "Ecological Truth" EcoIst '16, Vrnjačka Banja, Serbia, 2016, pp. 216 - 222
7. U. Stamenković, S. Ivanov, I. Marković: Effect of ageing temperature on properties of EN-AW 6060 aluminium alloy, 48th International October Conference on Mining and Metallurgy , Bor, Serbia, 2016, pp. 327 - 330
8. I. Marković, S. Ivanov, D. Gusković, D. Marković, D. Živković, U. Stamenković: Microstructure of thermomechanically treated EPM copper-platinum alloy, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 427 - 430
9. S. Alagić, M. Dimitrijević, S. Tošić, M. Nujkić, D. Medić: Copper Uptake by the Grapevine and Peach Tree from the Bor Region: A Comparison, 48th International October Conference on Mining and Metallurgy, IOC 2016, Hotel Albo, Bor, Serbia, 2016, pp. 96 - 99
10. S. Alagić, S. Tošić, M. Dimitrijević, M. Nujkić, T. Petrović: Ratio of Copper Concentrations Between Plant Parts of The Grapevine and Peach Tree as Possible Indication of Copper Pollution, 48th International October Conference on Mining and Metallurgy, Hotel Albo, Bor, Serbia, 2016, pp. 100 - 103
11. J. Đoković, R. Nikolić, J. Bujnak: Analysis and prevention of the gravel conveyor's gear shaft fracture, 48-th International October Conference on Mining and Metallurgy, IOC 2016, Bor, Serbia, 2016, pp. 29 - 32
12. M. Čavić, M. Penčić, J. Đoković, M. Zlokolica: Comparative analysis of the loader bucket mechanisms, 48-th International October Conference on Mining and Metallurgy, IOC 2016, Bor, Serbia, 2016, pp. 184 - 187
13. R. Nikolić, J. Đoković, J. Bujnak: Buckling of columns of the variable cross-sections, The 41st Active of Experts on Steel Structures, Pleso, Slovakia, 2016, pp. 149 - 156
14. D. Brodić, R. Jankovic: Usability Analysis of the Specific CAPTCHA types, UNITECH 2016, Gabrovo, Bulgaria, 2016, pp. 272 - 277
15. D. Brodić, A. Amelio: Detection of Dangerous Magnetic Field Ranges from Tablets by Clustering Analysis, UNITECH 2016, Gabrovo, Bulgaria, 2016, pp. 305 - 309
16. Z. Milivojevic, D. Kostic, Z. Velickovic, D. Brodić: Serbian sentence Matrix test for Speech Intelligibility Measurement In Different Reverberant Conditions, UNITECH 2016, Bulgaria, 2016, pp. 173 - 178
17. Z. Milivojevic, N. Savic, Z. Velickovic, D. Brodić: Estimating Optimal Value of Parameter 1P Keys Kernel by DSC Algorithm, UNITECH 2016, Gabrovo, Bulgaria, 2016, pp. 151 - 155
18. D. Brodić, M. Jevtić, J. Radisavljevic: Methodology of the Low-Frequency Magnetic Field Measurement and Its Influence to the Exposure of the Portable Computer Users, The 4th International Conference on Renewable Electrical Power Sources, Beograd, Serbia, 2016, pp. 195 - 200
19. D. Brodić, S. Petrovska, M. Jevtić, Z. Milivojevic: The influence of the CAPTCHA types to its solving times, 39th international convention on information and communication technology, electronics and microelectronics (MIPRO 2016), Opatija, Croatia, 2016, pp. 1274 - 1277
20. N. Savic, Z. Milivojevic, Z. Velickovic, D. Brodić: Optimization of the parameter of 2P Keys interpolation kernel according to the criterion of similarity to sinc function in the spectral domain, ICEST 2016, Ohrid, Macedonia, 2016, pp. 161 - 164

21. I. Draganov, D. Brodić: Some Finger Database Evaluation, ICEST 2016, Ohrid, Macedonia, 2016, pp. 179 - 182
22. D. Brodić, I. Draganov, Z. Milivojevic: Statistical Analysis of Text Encryption Software, ICEST 2016, Ohrid, Macedonia, 2016, pp. 267 - 270
23. D. Brodić, M. Jevtić, J. Radosavljevic, I. Draganov: Tablet Computers and Extremely Low-Frequency Magnetic Field Emission, ICEST 2016, Ohrid, Macedonia, 2016, pp.
24. V. Despotović, T. Skovranek: Fractional-order speech prediction, International Conference on Fractional Differentiation and its Applications (ICFDA16), Novi Sad, Serbia, 2016, pp. 124 - 127
25. S. Miletić, D. Paunković, D. Bogdanović: Zadovoljstvo stejholdera implementacijom Integrisanog Sistema Menadžmenta u održivom poslovanju rudarskuh kompanija, Sixth International Symposium on Natural Resources Management, Zaječar, Serbia, 2016, pp. 391 - 395
26. A. Fedajev, D. Durkalić, D. Riznić: Impact Of Natural Disasters Agriculture Production In The Western Balkans Countries, XXIV International Conference "Ecological Truth" Eco-Ist'16, Vrnačka Banja, Serbia, 2016, pp. 603 - 610
27. D. Tanikić, Z. Stević, N. Šrbac, M. Žikić, S. Kalinović: Monitoring of the electrical components using the IR camera, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 104 - 107
28. M. Radovanović, A. Simonović, M. Petrović Mihajlović, Ž. Tasić, S. Milić, M. Antonijević: 4(5)-methylimidazole as brass corrosion inhibitor in 3% NaCl solution, 48th International october Conference on Mining and Metallurgy IOC 2016, Bor, Serbia, 2016, pp. 37 - 40
29. B. Pešovski, M. Radovanović, S. Milić, D. Simonović, V. Krstić: Different kinds of dimensionally stable anodes in the electrolysis processes, 48th International October Conference on Mining and Metallurgy IOC 2016, Bor, Serbia, 2016, pp. 172 - 175
30. Ž. Tasić, M. Petrović Mihajlović, M. Radovanović, A. Simonović: Plant Extracts as Potential Inhibitors of Metals Corrosion, XI International Symposium on Recycling Technologies and Sustainable Development, Hotel Albo, Bor, Serbia, 2016, pp. 146 - 151
31. A. Fedajev, R. Nikolić, D. Durkalić: Usage of renewable energy sources in the function of sustainable economic development of transition countries, 6th International symposium on Environmental Management and Material Flow Management – EMFM 2016, Bor , Serbia, 2016, pp. 120 - 133
32. D. Durkalić, D. Riznić, S. Urošević: Uloga ljudskih resursa u implementaciji organizacionih promena, XII International May Conference on Strategic Management, Bor, Serbia, 2016, pp. 625 - 634
33. I. Jovanović, M. Arsić: Analysis of the impact of entrepreneurial creativity and self-efficacy on the innovation and profitability of smes in south and southeast Serbia, XII International may conference on strategic management - IMKSM2016, Bor, Serbia, 2016, pp. 732 - 744
34. Ž. Tasić, M. Petrović Mihajlović, A. Simonović, M. Radovanović, S. Milić, M. Antonijević: The influence of pH value on the inhibition efficiency of mixed system of azoles and gelatin in sulfuric acid medium, XXIV International Conference "Ecological Truth" ECO-IST 16, Hotel "Breza" Vrnjacka Banja, Serbia, 2016, pp. 231 - 237
35. M. Arsić, I. Jovanović: Analysis of factors which determine the future entrepreneurial behavior among young people, XII International may conference on strategic management - IMKSM2016, Bor, Serbia, 2016, pp. 660 - 666
36. J. Đoković, R. Nikolić, J. Bujnak, K. Živković: Behavior of the sandwich beam subjected to bending as a function of the core density, 5th International Scientific Conference "Integration,

Partnership and Innovation in Construction Science and Education", IPICSE 2016, Moscow, Russia, 2016, pp. 1 - 8

37. J. Đoković, R. Nikolić, J. Bujnak, K. Živković: Geometrical parameters influence on behavior of the sandwich plates with corrugated core, 5th International Scientific Conference "Integration, Partnership and Innovation in Construction Science and Education" - IPICSE 2016, Moscow, Russia, 2016, pp. 1 - 6
38. J. Đoković, M. Čavić, M. Penčić, M. Zlokolica: Optimal Synthesis of the Loader Bucket Mechanism., 8th International Scientific and Expert Conference – TEAM 2016, Trnava, Slovakia, 2016, pp. 35 - 40
39. S. Šerbula, J. Milosavljević, A. Radojević, J. Kalinović, T. Kalinović, T. Apostolovski Trujic: Sulphur dioxide level in the air in the period 2009-2015 (Bor, Eastern Serbia), XXIV International Conference "ECOLOGICAL TRUTH" Eco-Ist'16 , Hotel "Breza", Vrnjacka Banja, SERBIA, Serbia, 2016, pp. 97 - 103
40. S. Šerbula, J. Milosavljević, A. Radojević, J. Kalinović, T. Kalinović, L. Lekić: Air pollution with As, Pb and Cd in the Bor region from 2009 to 2015, 48th INTERNATIONAL OCTOBER CONFERENCE on Mining and Metallurgy, Bor, Serbia, 2016, pp. 160 - 163
41. I. Jovanović, S. Petrović, Z. Stević, Z. Širbanović, M. Ljubojev, D. Milanović: MODELS OF CORRELATION BETWEEN THE MORTAR STRENGTH AND AMOUNT OF ADDED GROUND FLY ASH, XI International Symposium on Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp. 100 - 105
42. S. Prvulović, Z. Širbanović, Z. Marković, G. Strainović, D. Milanović, S. Magdalinović, D. Urošević: THE POSSIBILITY FOR IMPROVING TECHNOLOGICAL PARAMETERS OF COPPER FLOTATION WITH DIFFERENT FINENESS OF GRINDING, XI International Symposium on Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp. 209 - 214
43. M. S. Trumić, A. Stojanović, M. Trumić, J. Sokolović, Z. Širbanović: INFLUENCE OF PARTICLE SIZE CLASS PET/PE MIXTURE ON THE SEPARATION EFFICIENCY OF PET AND PE PLASTIC BY ELECTROSTATIC SEPARATION METHOD, XI International Symposium on Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp. 221 - 226
44. M. Đorđević, N. Živadinović, I. Profirović, Z. Širbanović, J. Sokolović: THE POSSIBILITY FOR INCREASING THE CAPACITY OF PROCESSING SMELTER SLAG IN FLOTATION PLANT BOR, XI International Symposium on Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp. 283 - 288
45. D. Durkalić, M. Savićević , M. Dimitrijević: Balance of Trade and External Debt of the Republic of Serbia , 4th International Scientific Conference on Contemporary Issues in Economics, Business and Management (EBM 2016), Kragujevac, Serbia, 2016, pp.
46. I. Mihajlović, N. Milijić, M. Dimitrova, F. Jovanović: Risk management impact on the quality of strategic investment projects in South East Europe, 17th International Symposium on Quality, Zadar, Croatia, 2016, pp. 517 - 527
47. M. Dimitrijević, A. Radojević, S. Milić, D. Medić, B. Spalović: Recycling of platinum-group metals from automotive catalytic converters, Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp. 54 - 59
48. P. Đorđević, D. Voza, M. Vuković: Utilization of control charts and SWQI for the visualization of variation in water quality, XII International May Conference on Strategic Management - IMKSM16, Bor, Serbia, Serbia, 2016, pp. 806 - 814
49. G. Strainovic, Z. Marković, Z. Širbanović: FLOTATION RECOVERY OF COPPER MINERALS BY DIFFERENT KIND OF COLLECTORS AND FEED FINES, XXIV

International Conference "ECOLOGICAL TRUTH"Eco-Ist'16, Vrnjacka Banja, Serbia, 2016, pp. 272 - 276

50. S. Magdalinovic, Z. Marković, I. Jovanovic, R. Pantović, S. Petrovic, D. Milanovic, Z. Štirbanović: RECONSTRUCTED SMELTING SLAG PROCESSING PLANT PART 1 - FLOTATION CONCENTRATION, XXIV International Conference "ECOLOGICAL TRUTH"Eco-Ist'16, Vrnjacka Banja, Serbia, 2016, pp. 277 - 281
51. Z. Štirbanović, J. Sokolović, Z. Marković, R. Stanojlović, R. Pantović, V. Gardic, D. Milanovic, G. Strainovic: POSSIBILITIES FOR REUSING FLOTATION TAILINGS FROM SMELTER SLAG FLOTATION, XXIV International Conference "ECOLOGICAL TRUTH" Eco-Ist'16, Vrnjačka Banja, Serbia, 2016, pp. 321 - 326
52. A. Stojanović, Ž. Živković, M. Savić: Risk impact assessment on the project NPV by using Monte Carlo simulation, International May Conference on Strategic Management - IMKSM2016, Bor, Serbia, 2016, pp. 476 - 487
53. G. Bogdanović, V. Stanković, D. Antić, M. Trumić, D. Miličević, M. S. Trumić: Acid Leaching of Low-Grade Copper Ores, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 483 - 486
54. S. Petrović, G. Bogdanović: Chalcopyrite Leaching in Acid Solutions Using Hydrogen Peroxide as Oxidizing Agent, International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 475 - 478
55. M. Trumić, D. Marilović, M. S. Trumić, G. Bogdanović: The Influence of Particle Size Distribution and Height Layer of Raw Material on Screening Kinetic, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 447 - 450
56. M. S. Trumić, D. Marilović, M. Trumić, G. Bogdanović, L. Andrić: Influence of Secondary Raw Material Density and Grain Shape on Screening Kinetics, XI International Symposium on Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp. 171 - 176
57. V. Stanković, V. Milošević, D. Miličević, G. Bogdanović: Removal and Recovery of Valuable Components From the Flotation Tailings of the Flotation Plant RTB Bor, XI International Symposium on Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp. 248 - 253
58. D. Radulović, M. Petrov, M. Trumić, G. Bogdanović, M. S. Trumić, L. Andrić: Utilization of Waste Materials from Flotation Plant "Feldspar" Bujanovac, XI International Symposium on Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp. 254 - 261
59. S. Urošević, M. Šmercerović, D. Đorđević: Techno-Economic Aspects of the Treatment of Wastewater Incurred Dyeing Textiles , XXIV International Conference Ecological Truth, Ecoist 2016, Vrnjačka banja, Serbia, 2016, pp. 470 - 476
60. M. Maksimović, S. Urošević, D. Karabašević: Rudarsko nasleđe u funkciji razvoja rudarskog turizma na Staroj Planini , 6 th International Symposium on natural resources management, Zaječar, Serbia, 2016, pp. 328 - 333
61. D. Orčić, S. Urošević: Significance of the Structural Capital Identification for the Small and Medium Companies in Textile Industry, 12 th International May Conference on Starategic Management IMKSM 2016, Bor, Serbia, 2016, pp. 413 - 427
62. D. Riznić, S. Urošević, M. Vuković, Z. Stević: Ekonomski aspekti održivog razvoja i uticaj na životnu sredinu , 4 th International Conference on Renewable Electrical Powe Sources, Beograd, Serbia, 2016, pp. 139 - 148
63. D. Krach, S. Ilić, D. Riznić: "TOURISM POTENTIAL OF GERMANY", 6th International Symposium on Natural Resources Management, Zajecar, Serbia, 2016, pp. 107 - 115
64. T. Holjevac Grguric, D. Manasijević, D. Živković, L. Balanović, S. Kozuh, R. Pezer, I. Ivanic, I. Anzel, B. Kosec, L. Vrsalovic, M. Gojic: Thermodynamic calculation of phase equilibria of

- the Cu-Al-Mn alloys, 11th Scientific / Research Symposium with International Participation „Metallic and Nonmetallic Materials“ Zenica, Zenica, Bosnia and Herzegovina, 2016, pp. 83 - 90
65. L. Balanović, D. Živković, D. Manasijević, J. Medved, M. Voncina: Termodinamički proračun faznog dijagrama Al-Sn-Ga sistema, 11th Scientific / Research Symposium with International Participation „Metallic and Nonmetallic Materials“, Zenica, Bosnia and Herzegovina, 2016, pp. 163 - 170
66. T. Holjevac Grguric, D. Živković, D. Manasijević, I. Anzel, S. Kozuh, I. Ivanic, M. Gojic: Kinetic analysis of Cu-8.3 wt.%Al-9.4 wt.% Mn shape memory alloy, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 403 - 406
67. M. Premovic, D. Minic, D. Manasijević, L. Balanović, A. Djordjevic, D. Milisavljevic: Electrical conductivity of ternary Al-Cu-Sb and Bi-Ge-Sb alloys, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 439 - 442
68. D. Manasijević, D. Minic, M. Premovic, D. Živković, L. Balanović: Experimental investigation of the Cu-Ge-Sb phase diagram at 500 °C, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp.
69. M. S. Trumić, M. Trumić, V. Despotović, M. Ristić: PET plastic separation from PP/PET plastic mixture using corona-electrostatic separator, XI International Symposium on Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp. 272 - 282
70. L. Andrić, M. Trumić, G. Bogdanović, M. S. Trumić: Mining and use of abandoned mines in service of sustainable development in Serbia, World Congress 2016, Novi Sad, Serbia, 2016, pp. 648 - 659
71. D. Medić, M. Dimitrijević, S. Milić, B. Spalović: Leaching LiCoO₂ from spent Li-ion batteries, Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp. 71 - 76
72. Z. Stević, M. Rajčić Vujsinović, D. Mijailović, O. Bondarenko: System for Characterization of Supercapacitors, IEEE International Conference on Electronics and Information Technology (EIT'16), Odessa, Ukraine, 2016, pp. 14. - 16.
73. M. Stevic, Z. Stević, M. Rajčić Vujsinović, D. Mijailović: Computer controlled system for differential thermal analysis, XVIIth International scientific-practical conference, Modern information and electronic technologies, , Odessa, Ukraine, 2016, pp. 186 - 188.
74. M. Manić, D. Riznić, I. Trandafilović: "KONCEPT MARKETING MENADŽMENTA U SPORTU U REPUBLICI SRBIJI", SECOND INTERNATIONAL SCIENTIFIC BUSINESS CONFERENCE –LIMEN Leadership and Management: Integrated Politics of Research and Innovations, Belgrade, Hotel Moscow, Serbia, 2016, pp.
75. M. Gorgievski, N. Štrbac, D. Božić, V. Stanković, D. Živković: Corn silk – a novel adsorbent for the adsorption of copper ions from aqueous solutions, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 273 - 276
76. M. Gorgievski, D. Božić, V. Stanković, N. Štrbac, D. Živković, A. Mitovski, V. Grekulović: Characterization of corn silk by SEM and FTIR analysis used for the biosorption of copper ions from aqueous solutions, XI International Symposium on Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp. 190 - 195
77. M. Rajčić Vujsinović, V. Grekulović, Z. Stević: Potentiostatic oxidation of AgCu50 alloy in a chlorine solution with presence of cysteine, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 140 - 143
78. N. Štrbac, A. Mitovski, D. Živković, M. Sokić, L. Balanović, V. Grekulović: Comparative review of the innovation strategies for the E-Waste management, XXIV International Scientific and Professional Meeting Ecological Truth, hotel "Breza", Vrnjacka Banja, Serbia, 2016, pp. 696 - 702

79. V. Grekulović, M. Rajčić Vujsinović, Z. Stević, A. Mitovski: Electrochemical behavior of Ag, Cu and AgCu50 alloy in an alkaline solution in presence of 2-mercaptopbenzothiazole, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 415 - 418
80. M. Rajčić Vujsinović, Z. Stević, V. Grekulović, S. Petrović: The role of nanomaterials in solar cells, The 4th International Conference on Renewable Electrical Power Sources, Belgrade, Serbia, 2016, pp. 265 - 270
81. S. Petrović, M. Rajčić Vujsinović, V. Grekulović, I. Jovanović, S. Magdalinović, M. Mikić: Methodologies used for the synthesis of cuprous oxide as an active solar cell material, The 4th International Conference on Renewable Electrical Power Sources, Belgrade, Serbia, 2016, pp. 327 - 335
82. D. Voza, M. Vuković: SERBIAN WATER QUALITY INDEX AS A TOOL FOR EFFECTIVE WATER QUALITY MANAGEMENT, 6th International Symposium on Environmental and Material Flow Management –EMFM 2016, Bor, Serbia, 2016, pp. 147 - 157
83. I. Nikolić, I. Milošević, I. Mihajlović, P. Đorđević: MULTI-CRITERIA RANKING OF TECHNOLOGY PROCESS IN HEAVY INDUSTRY, 6th International Symposium on Environmental and Material Flow Management –EMFM 2016, Bor, Serbia, 2016, pp. 193 - 201
84. N. Nikolić, I. Nikolić: Impact of Cross-Cultural Marketing on the Failure of SMEs, Ninth International Student Scientific and Practical Conference – Marketing in Industries: Multinational Business Experience, Moscow, Russia, 2016, pp. 123 - 127
85. S. Perendić, J. Sokolović, B. Stakić, D. Ćirić: RECLAMATION OF MINE WASTE DUMP IN ANTHRACITE MINE „VRSKA CUKA“-AVRAMICA, XXIV International Scientific and Professional Meeting „Ecological Truth“, Eco-Ist '16, Vrnjačka Banja, Serbia, 2016, pp. 828 - 834
86. V. Gardić, Y. Ogawa, T. Apostolovski Trujić, D. Ishyama, Z. Stevanović, R. Marković, J. Petrović, S. Đordjevski, J. Sokolović: APPLICATION OF SEQUENTIAL EXTRACTION PROCEDURE FOR DETERMINATION OF EXTRACTABLE ARSENIC CONTENTS IN RIVER SEDIMENT, XI International Symposium on Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp. 106 - 110
87. V. Nikolić, J. Sokolović, R. Stanojlović: PREDICTING OF INDUSTRIAL RESULTS AND VALORIZATION OF COAL FROM OLD TAILING PONDS IN COAL MINE VRŠKA ČUKA“ AVRAMICA, SERBIA, XI International Symposium on Recycling Technologies and Sustainable Development – XI IRTSD 2016, Bor, Serbia, 2016, pp. 152 - 158
88. J. Sokolović, B. Stakić, S. Perendić, D. Ćirić: TECHNO-ECONOMIC JUSTIFICATION OF PRODUCTION OF THE FILTER ANTHRACITE® IN COAL MINE „VRSKA CUKA“ AVRAMICA, XI International Symposium on Recycling Technologies and Sustainable Development – XI IRTSD 2016, Bor, Serbia, 2016, pp. 164 - 170
89. M. Žikić, S. Stojadinović, J. Sokolović, D. Tanikić, M. Đorđević, R. Matić: STANDARDIZED CONDITIONS FOR PRODUCTION AND DISTRIBUTION OF COPPER REFINERY SLAG ABRASIVES – CASE STUDY BOR, XI International Symposium on Recycling Technologies and Sustainable Development – XI IRTSD 2016, Bor, Serbia, 2016, pp. 234 - 239
90. A. Ivanović, B. Trumić, S. Marjanović, S. Ivanov, S. Dimitrijević, V. Marjanović: PdNi5 alloy: The effect of homogenization annealing on the microstructure, mechanical and electrical properties, 48th International October Conference on Mining and Metallurgy , Bor, Serbia, 2016, pp. 128 - 131
91. B. Trumić, A. Ivanović, S. Dimitrijević, V. Krstić, S. Marjanović, L. Radović, S. Dimitrijević: Modern industrial alloys based on platinum, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 188 - 191

92. M. Mirić, M. Đorđević, B. Arsić, D. Đorđević, S. Marjanović, S. Ivanov: Application of principal component analysis in the investigation of Au alloys without Ag, 48th International October Conference on Mining and Metallurgy , Bor, Serbia, 2016, pp. 81 - 84
93. I. Marković, S. Nestorović, D. Marković, S. Ivanov, S. Mladenović: Effect of Annealing Time on Properties of Sintered Cu-4Au Alloy Deformed with 60 % Reduction, 15th International Foundrymen Conference "Innovation – The Foundation of Competitive Casting Production", Opatija, Croatia, 2016, pp. 250 - 257
94. D. Živković, N. Šrbac, N. Dolić, Z. Zovko Brodarac, D. Manasijević, L. Balanović, A. Mitovski, S. Mladenović, I. Marković: References Review in the Field of Copper-Based Casted Alloys for Last Fifteen Years, 15th International Foundrymen Conference Innovation – The Foundation of Competitive Casting Production, Opatija, Croatia, 2016, pp. 280 - 285
95. M. Arsić, Ž. Živković: BIBLIOMETRIC ANALYSIS OD SCIENTIFIC WORK AT UNIVERSY OF BELGRADE FOR PERIOD 2011-2015, XII INTERNATIONAL MAY CONFERENCE ON STRATEGIC MANAGEMENT -IMKSM2016, Bor, Serbia, 2016, pp. 667 - 675
96. S. Šerbula, D. Živković, N. Šrbac, M. Savov, J. Kalinović: Seasonal monitoring of total suspended particles around the copper smelter in Bor (Serbia), 48th INTERNATIONAL OCTOBER CONFERENCE on Mining and Metallurgy, Bor, Serbia, Bor, Serbia, 2016, pp. 164 - 167
97. D. Čosić, S. Šerbula, M. Antonijević, D. Živković, N. Šrbac: The kinetics of ion exchange of copper (II) ions on Levatit 207, 48th INTERNATIONAL OCTOBER CONFERENCE on Mining and Metallurgy, Bor, Serbia, Bor, Serbia, 2016, pp. 168 - 171
98. S. Dimitrijević, M. Rajčić Vujasinović, S. Dimitrijević, B. Trumić,, A. Ivanović: Stability of gold complex based on mercaptotriazole at pH=2, 48th International October Conference on Mining and Metallurgy , Bor, Serbia, 2016, pp. 152 - 155
99. Z. Stević, M. Rajčić Vujasinović, I. Radovanović, M. Stević: Application of IR thermography in fruit growing, 48th International October Conference on Mining and Metallurgy, September 28 - October 01, 2016, Bor, Serbia, Bor, Serbia, 2016, pp. 411 - 414.
100. Z. Stević, M. Rajčić Vujasinović, I. Radovanovic, M. Stević: Thermography assessment of energy efficiency of buildings, industrial plants and heating plants, The 4th International Conference on Renewable Electrical Power Sources, October 17-18, 2016, Belgrade,, Serbia, 2016, pp. 379 - 386
101. Z. Stević, M. Rajčić Vujasinović, I. Radovanovic, D. Mijailovic, M. Stević: Supercapacitors test methods, The 4th International Conference on Renewable Electrical Power Sources , Belgrade, Serbia, 2016, pp. 461 - 466
102. D. Petrović, V. Milić, I. Svrkota, S. Stojadinović: Cost of norm material and their percent in the ore excavation expences, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 467 - 470
103. S. Petrović, I. Jovanović, S. Magdalinić, D. Petrović, D. Milanović, M. Mikić: Reconstructed smelting slag procesing plant. Part 2 - Dewatering of definitive copper concentrate, XXVI International Conference “ECOLOGICAL TRUTH” ECO-IST'16, Vrnjačka Banja, Serbia, 2016, pp. 308 - 312
104. M. Žikić, S. Stojadinović, R. Pantović, D. Tanikić, M. Živković: Treatment of used tires within the RTB Bor-group, Eco-Ist 2016, Ecological truth, Vrnjačka Banja, Serbia, 2016, pp. 253 - 257
105. M. Sokić, V. Matković, B. Marković, V. Manojlović, Ž. Kamberović, N. Šrbac, D. Živković: Reduction of refractory barite-sulphide ores, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 387 - 390

106. Ž. Živković, Đ. Nikolić, I. Mihajlović, P. Đorđević: Dependability assessment of supplier performance based on the fuzzy sets theory, 14th International conference on Management, Enterprise and Benchmarking, Budapest, Hungary, 2016, pp. 43 - 56
107. S. Dević, L. Kurešević, M. Cocić: Appearance of the most common fragments of brick clay sieve residue, 6TH International conference civil engineering – science and practice, Žabljak, Afghanistan, 2016, pp. 61 - 68
108. S. Dević, M. Cocić: Electron microanalysis of fragments in sieve residue of brick clay, 6TH International conference civil engineering – science and practice, Žabljak, Afghanistan, 2016, pp.
109. S. Dević, M. Cocić: Mineralgical character of the mixer slag, International Conference “Ecological Truth” Eco-Ist'16, Vrnjačka Banja, Serbia, 2016, pp. 265 - 271
110. M. Cocić, L. Mihovil, V. Tasić, S. Dević, S. Cocić: Phase composition of glass-ceramics obtained by crystallization of basalt glass, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 116 - 119
111. A. Fedajev, R. Nikolić: PRIVATIZATION OF STATE ENTERPRISES IN THE REPUBLIC OF SERBIA IN THE FUNCTION OF MACROECONOMIC STABILITY IMPROVEMENT AND SUSTAINABLE ECONOMIC DEVELOPMENT, International May Conference on Strategic Management (MKSM), Bor, Serbia, 2016, pp. 676 - 686
112. R. Nikolić, M. Denić, N. Vušović, I. Svrkota, A. Fedajev, S. Ilić: Current state and possibilities for further development of Serbian underground coal mining, INTERNATIONAL OCTOBER CONFERENCE on Mining and Metallurgy, Bor, Serbia, 2016, pp. 455 - 458
113. A. Krstić, Đ. Nikolić: Development of the system criteria for making software solutions for business decision, XII International May Conference on Strategic Management - IMKSM16, Bor, Serbia, 2016, pp. 499 - 507
114. S. Arsić, Đ. Nikolić, Ž. Živković: Development SWOT-AHP hybrid model for prioritization strategy of national park Djerdap, 6th International Symposium on Environmental and Material Flow Management –EMFM 2016, Bor, Serbia, 2016, pp. 133 - 146
115. B. Stojčetović, Ž. Živković, Đ. Nikolić: AHP application for wind farm site selection: case Kostolac, Bor, Serbia, 2016, pp. 229 - 245
116. D. Mijailovic, M. Stevic, Z. Stević, O. Bondarenko: Computer Controlled System for Thermogravimetric Analysis, IEEE International Conference on Electronics and Information Technology (EIT'16), Odessa, Ukraine, 2016, pp. 17 - 20
117. M. Pavlovic, M. Dojcinovic, S. Martinovic, M. Vlahovic, Z. Stević: Cavitation damage of mullite ceramic: implementation of image analysis, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 241 - 244
118. I. Jovanovic, M. Mikic, M. Ljubojev, D. Milanovic, Z. Stević: ANFIS model for predicting the copper concentrate grade, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp.
119. O. Bondarenko, V. Sydorets, I. Bondarenko, Z. Stević: Supercapacitor modeling for micro resistance welding applications, The 4th International Conference on Renewable Electrical Power Sources, Belgrade, Serbia, 2016, pp. 113 - 118
120. D. Riznić, S. Urošević, M. Vuković, Z. Stević: Economic aspects of sustainable development and environmental impact, The 4th International Conference on Renewable Electrical Power Sources, Belgrade, Serbia, 2016, pp. 139 - 147
121. S. Dimitrijevic, Z. Stević, B. Trumic, A. Ivanovic: Energy efficient recycling of precious metals from computer waste by hydrometallurgical processing, The 4th International Conference on Renewable Electrical Power Sources, Belgrade, Serbia, 2016, pp. 149 - 154

122. Z. Stević, M. Stevic, I. Radovanovic, D. Mijailovic: Renewable electricity: parallel Serbia-Europe , The 4th International Conference on Renewable Electrical Power Sources, Belgrade, Serbia, 2016, pp. 271 - 276
123. M. Stevic, Z. Stević: Simulation of a energy source based on PV, FC, accu battery and supercapacitor , The 4th International Conference on Renewable Electrical Power Sources, Belgrade, Serbia, 2016, pp. 363 - 369
124. D. Mijailovic, Z. Stević, V. Panic, M. Vukcevic, D. Stojanovic, P. Uskokovic: The capacitive performances of porous carbon electrodes investigated by novel system for electrochemical testingofsupercapacitors , The 4th International Conference on Renewable Electrical Power Sources, Belgrade, Serbia, 2016, pp. 467 - 472
125. Z. Stević, M. Stevic, I. Jovanovic, S. Petrovic: Application of new technologies in the treatment of hazardous waste , XI International Symposium on Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp. 42 - 47
126. D. Ushakov, I. Verbitskyi, Z. Stević: Calculation of filter parameters for pulsed power supply by non-linear loads , XI International Symposium on Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp.
127. S. Dević, M. Cocić: Erosion of alumina-graphite nozzle-frequent cause of reduced durability, 3hd International symposium on corrosion and protection of materials and environment, Bar, Cambodia, 2016, pp. 77 - 87
128. S. Stojadinović, R. Pantović, M. Žikić, M. Denić: Cerovo copper mines controlled blasting design, Eco-Ist 2016, Vrnjačka Banja, Serbia, 2016, pp. 185 - 191
129. S. Stojadinović, M. Žikić, M. Denić: Damage claims – the importance of expert witnesses, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 367 - 70
130. M. Žikić, S. Stojadinović, D. Tanikić, M. Miljković, M. Živković, S. Mitrović, D. Kržanović: Analysis of operational truck tire life at Veliki Krivelj open pit copper mine, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 434 - 434
131. D. Kržanović, D. Stevanović, R. Rajković, M. Jovanović, M. Žikić, S. Stojadinović: Optimization the final contour of the open pit North mining district using the software package Whittle, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 435 - 438
132. D. Radulović, L. Andrić, S. Mihajlović, V. Jovanović, M. Petrov: Obtaining fillers based on limestone from deposit Možura – Ulcinj", for applications in various industries, 48th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 2016, pp. 351 - 354

M34 - 17

1. U. Stamenković, S. Ivanov, I. Marković: Pregled istraživanja i metoda za reciklažu kompozitnih materijala sa aluminijumskom osnovom, International Scientific Conference on Ecological Crisis: Technogenesis and Climate Change , Belgrade, Serbia, 2016, pp. 137 - 137
2. I. Marković, S. Nestorović, D. Marković, S. Ivanov, U. Stamenković: Uticaj bakar-berilijum legura na ljudsko zdravlje i mogućnost njihove zamene, International Scientific Conference on Ecological Crisis: Technogenesis and Climate Change , Belgrade, Serbia, 2016, pp. 128 - 128
3. J. Đoković, R. Nikolić, J. Bujnak, B. Hadžima: Criteria for prediction the interfacial crack growth in concrete, 8th International Conference on materials structure & micromechanics of fracture, MSMF8, Brno, Czech Republic, 2016, pp. 130 - 131
4. U. Stamenković, S. Ivanov: Microstructures and properties of Sn-Zn low temperature lead-free solder alloys, 3rd International Student Conference on Technical Sciences, Bor, Serbia, 2016, pp. 5 - 5

5. I. Đolović: Compactness of Some Special Classses of Operators, 5th International Conference "Analysis, Topology, Algebra: Theory and Applications (ATA 2016)", Čačak, Serbia, 2016, pp.
6. Ž. Živković, Đ. Nikolić, P. Đorđević, J. Kangas: Development of the fuzzy hybrid MCDM models in the framework of SWOT analysis for strategic decision, XII International May Conference on Strategic Management - IMKSM16, Bor, Serbia, 2016, pp. 777 - 777
7. S. Urošević, V. Stefanović, D. Đorđević: Analysis of the Working Conditions with Consideration-Hazard Potential Health and Safety of Employees in Textile Industry , International Scientific Conference, Inovative solutions for sustainable development of textiles and leather industry, Oradea, Romania, 2016, pp. 171 - 172
8. D. Manasijević, D. Živković, J. Vadnjal, I. Nikolić, B. Morić Milovanović, V. Kume, J. Halebić, M. Dimitrova, G. Trisca, S. Kunev: STUDY OF STUDENTS' INDEPENDENCE AND CREATIVITY MOTIVES AND THEIR IMPACT ON ENTREPRENEURIAL SELF-EFFICACY, International May Conference on Strategic Management - IMKSM2016, Bor, Serbia, 2016, pp. 25 - 25
9. L. Balanović, D. Živković, D. Manasijević, I. Marković, U. Stamenković: Thermal diffusivity, structural and mechanical characteristics of C1220 carbon steel, 25th Symposium of Thermal Analysis and Calorimetry - Eugen Segal, Bucharest, Romania, 2016, pp. 86 - 86
10. G. Stojanović, D. Bogdanović: DEVELOPMENT OF HYBRID MULTIPLE- CRITERIA MODELS IN FUZZY ENVIRONMENT FOR PRIORITIZATION OF SUPPLIERS RELIABILITY IN MINING SYSTEMS , 6TH INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL AND MATERIAL FLOW MANAGEMENT , Bor, Serbia, 2016, pp. 218
11. S. Arsić, Ž. Živković, Đ. Nikolić: ECOTOURISM AS A STRATEGIC COMMITMENT TO SUSTAINABLE DEVELOPMENT OF THE NATIONAL PARK DJERDAP, International May Conference on Strategic Management - IMKSM2016, Serbia, 2016, pp. 799 - 799
12. D. Kocev: w-distance and Ćirić's maps, Analysis, Topology, Algebra: Theory and Applications (ATA 2016), Čačak, Serbia, 2016, pp.
13. I. Radojević: General inverses of matrices, Operator Theory and Indefinite Inner Product Spaces, Afghanistan, 2016, pp.
14. A. Terzić, L. Andrić, Z. Radojević, L. Miličić, N. Mijatović: Characterization of microstructural and thermal properties of the steatite powders applied as fillers in the ceramic coatings, Serbian Ceramic Society Conference "Advanced Ceramic and Application V – New frontiers in multifunctional material science and processing, Belgrade, Serbia, 2016, pp. 53 - 53
15. A. Terzić, L. Pezo, L. Andrić, L. Miličić, Z. Radojević: Influence of alternations in ultra-centrifugal milling parameters on the coal ash quality for the construction composites design, Serbian Ceramic Society Conference "Advanced Ceramic and Application V – New frontiers in multifunctional material science and processing, Belgrade, Serbia, 2016, pp. 55 - 55
16. D. Radulović, A. Terzić, L. Andrić, M. Petrov: Effects of SA surface treatment on the properties of CaCO₃ used as filler in construction composites, Serbian Ceramic Society Conference "Advanced Ceramic and Application V–New frontiers in multifunctional material science and processing, Belgrade, Serbia, 2016, pp. 56 - 56
17. M. Petrov, L. Andrić, D. Radulović, V. Jovanović, S. Mihajlović, A. Terzić: Polyphase system in the technologies of preparation and flotation contrentration mineral resources, Serbian Ceramic Society Conference "Advanced Ceramic and Application V – New frontiers in multifunctional material science and processing, Belgrade, Serbia, 2016, pp. 65 - 65

M36 - 5

1. Z. Štirbanović, Z. Marković: Proceedings of XI International Symposium on Recycling Technologies and Sustainable Development, XI International Symposium on Recycling Technologies and Sustainable Development, Bor, Serbia, 2016, pp.
2. N. Štrbac, D. Živković: Proceedings, 48th International October Conference on Mining and Metallurgy, Bor, Serbia, 2016, pp. 1 - 517
3. Z. Stević: Proceedings of the IV International conference on renewable electrical power sources , Editors: Zoran Stević, Publisher: SMEITS, Beograd, Printed by -, ISBN 978-86-81505-80-9, 2016, pp.
4. R. Pantović, Z. Marković: Proceedings of XXIV International Conference "Ecological Truth" Eco-Ist '16, Hotel Breza, Vrnjačka Banja, Serbia, 2016, ISBN 978-86-6305-043-3, pp.1-882.
5. Ž.Živković, I. Mihajlović, Book of Proceedings of 6th International Symposium on Environmental and Material Flow Management – EMFM16 , 2016, Bor, Serbia, ISBN: 978-86-6305-050-1.

M42 - 1

1. D. Tanikić: Neuronske mreže, fazi logika i genetski algoritmi, Editors: Prof. dr Svetlana Ivanov, Publisher: Univerzitet u Beogradu, Tehnički fakultet u Boru, Printed by Happy trend DOO, Zaječar, ISBN 978-86-6305-053-2, pp. , 2016

M45 - 1

1. D. Petrović: Effect of machines failure occurrence on business companies shown in the case of mining machinery, Publisher: Fakultet za pravo, bezbednost i menadžment "Konstantin Veliki" Niš Univerziteta "Union - Nikola Tesla" u Beogradu i Centar za strateška istraživanja nacionalne bezbednosti - CESNA B, Beograd, pp. 319 - 330, 2016

M51 - 10

1. U. Stamenković, S. Ivanov, I. Marković: Pregled istraživanja i metoda za reciklažu kompozitnih materijala sa aluminijumskom osovom, Ecologica, ISSN 0354-3285, Vol. 23, No. 82, pp. 256 - 259, 2016
2. S. Milić, D. Paunković, D. Bogdanović: Evaluacija indikatora održivosti za donošnje odluka u rudarskim kompanijama, Megatrend Revija, ISSN 1820-3159, Vol. 13, No. 2, pp. 83 - 96, 2016
3. I. Đolović, E. Malkowsky: A Note on Some Results Related to Infinite Matrices on Weighted l_1 Spaces, Functional Analysis, Approximation and Computation, ISSN 1821-410X (Print) 2406-1573 (Online), Vol. 8, No. 1, pp. 1 - 5, 2016
4. D. Durkalić, D. Riznić, M. Manić: Ekonomski efekti i posledice uticaja klimatskih promena na privrednu Republiku Srbije, Naučno – stručno društvo za zaštitu životne sredine Srbije „Ecologica“, ISSN 0354-3285, Vol. 23, No. 83, pp. 545 - 549, 2016
5. I. Marković, S. Nestorović, D. Marković, S. Ivanov, U. Stamenković: Uticaj bakar-berilijum legura na ljudsko zdravlje i mogućnost njihove zamene, Ecologica, ISSN 0354-3285, Vol. 23, No. 84, pp. 872 - 876, 2016, [Impact factor (IF) /2016]
6. D. Mihajlović, M. Maksimović, S. Urošević: Ekološka dimenzija održivosti ruralnog turizma Stare planine, Ecologica, ISSN 0354-3285, Vol. XXIII, No. 82, pp. 336 - 340, 2016
7. A. Dukić, N. Filipović, D. Riznić: "Cirkularna ekonomija u funkciji zaštite životne sredine", Ecologica, ISSN 0354-3285, Vol. 23, No. 82, pp. 187 - 193, 2016
8. M. Gorgievski, N. Štrbac, D. Božić, V. Stanković, D. Živković: Fizičko-hemijska karakterizacija pšenične slame kao adsorbensa za adsorpciju jona metala iz otpadnih voda, Ecologica, ISSN 0354-3285, Vol. 23, No. 83, pp. 520 - 524, 2016

9. M. Vuković, N. Šrbac: Metodološki problemi konceptualizacije i operacionalizacije koncepta ekološke svesti, Ecologica, ISSN 0354-3285, Vol. 23, No. 84, pp. 799 - 803, 2016
10. D. Durkalić: Impact of Trade Openness on Economic Development: Case from Serbia, Acta Oeconomica Universitatis Selye, J. Selye University, Faculty of Economics, ISSN 1338-6581, Vol. 5, No. 2, pp. , 2016

M52 - 9

1. D. Brodić, D. Tanikić, A. Amelio: Predicting the Extremely Low Frequency Magnetic Field Radiation Emitted from Laptops: A New Approach to Laptop Design, ERCIM News, ISSN 0926-4981, Vol. 2016, No. 107, pp. 56 - 57, 2016, [Impact factor (IF) -/2016]
2. D. Brodić, A. Amelio, Z. Milivojevic, M. Jevtić: Document Image Coding and Clustering for Script Discrimination, ICIC Letters, ISSN 1881-803X, Vol. 10, No. 7, pp. 1561 - 1566, 2016, [Impact factor (IF) -/2016]
3. S. Miletić, D. Bogdanović, D. Paunković, D. Mihajlović: Primena višekriterijumskog odlučivanja u cilju procene održivog poslovanja rudarskih kompanija, Reciklaža i održivi razvoj, ISSN 1820-7480, No. 9, pp. 15 - 20, 2016
4. Ž. Tasić, M. Antonijević, M. Petrović Mihajlović: Mikroorganizmi kao potencijalni inhibitori korozije metala, Reciklaža i održivi razvoj, ISSN 1820-7480, Vol. 9, pp. 5 - 14, 2016
5. M. S. Trumić, M. Antonijević, M. Trumić, G. Bogdanović: Reciklaža štampanog papira primenom procesa pripreme mineralnih sirovina, Reciklaža i Održivi Razvoj, ISSN Print Issue: 1820-7480; Online Issue:2560-3132, Vol. 9, No. 1, pp. 48 - 57, 2016
6. G. Kokeza, S. Urošević, R. Darko: Razvoj kompetencija zaposlenih kao element menadžmenta ljudskih resursa - sa posebnim osvrtom na tekstilnu industriju, Tekstilna industrija, ISSN 0040-2389, Vol. LXIII , No. 4, pp. 56 - 63, 2016
7. S. Urošević, D. Karabašević, M. Maksimović, D. Stanujkić: Impact of demographic factors on motivation and satisfaction of employees in the leather and footwear industry, Tekstilna industrija, ISSN 0040-2389, Vol. LXIII, No. 3, pp. 45 - 55, 2016
8. I. Manasijevic, N. Šrbac, D. Živković, L. Balanović, D. Minic, D. Manasijević: Uticaj cinka na mikrostrukturu i fazne transformacije livenih Al-Cu legura, Tehnika, ISSN 0040-2176 , No. 4, pp. 553 - 559, 2016
9. M. Rajčić Vujasinović, V. Grekulović, Z. Stević, D. Dragulovic, S. Dimitrijević: Elektrohemijsko ponašanje bakra u prisustvu macerata ruzmarina, Bakar, ISSN 0351-0212, Vol. 41, No. 2, pp. 35 - 40, 2016

M53 - 5

1. M. Maksimović, S. Urošević, D. Karabašević: Stategija pozicioniranja ruralnog turizma Stare planine, HIT Menadžment, Menadžment u hotelijerstvu i turizmu, ISSN 2334-8267 , Vol. 4, No. 2, pp. 112 - 121, 2016
2. S. Urošević: Achievement off the Highest Level of Safety and Health at Work and the Satisfaction of Employees in the Textile Industry, Applied Researches in Technics, Technologies and Education, ARTTE, ISSN ISSN 1314-8788 print, ISSN 1314-8796 online, Vol. 4, No. 3, pp. 175 - 180, 2016
3. D. Karabašević, D. Stanujkić, S. Urošević, M. Maksimović: An Approach to Personnel Selection Based on Swara and Waspas Methods, Biz Info (Blace) Journal of Economics, Management and Informatics, Vol. 7, No. 1, pp. 1 - 11, 2016
4. M. Maksimović, D. Karabašević, S. Urošević, B. Ilić: Role and Importance of Spa and Mountain Tourism in Serbia , QUAESTUS-MULTIDISCIPLINARY RESEARCH JOURNAL, Faculty of Management in Tourism and Commerce Timisoara, "Dimitrie Cantemir" Christian University, Timisoara, Romania, ISSN 2285-424X, No. No 8, april, 2016, pp. 268 - 276, 2016

5. R. Stanojlović, J. Sokolović, M. Guševac, I. Andelović, G. Stojić, N. Živadinović: SUSTAINABILITY OF COPPER SLAG PROCESSING FROM NEW FLASH COPPER SMELTER IN RTB BOR, Quaestus - Multidisciplinary Research Journal, ISSN 2285 – 424X, Vol. 9, No. 5, pp. 42 - 52, 2016

M55 - 2

1. S. Urošević: Tekstilna industrija, ISSN 0040-2389, Vol. LXIII, No. 1-4, pp. , 2016
2. M. Trumić, G. Bogdanović: Reciklaža i održivi razvoj, ISSN 1820-7480, Vol. 9 No.1, pp. 1 - 57, 2016

M63 - 4

1. I. Jovanović, M. Ljubojev, M. Mikić, S. Petrović, S. Magdalinović, Z. Štirbanović: Hibridni prediktivni model za predviđanja kvaliteta koncentrata iz postrojenja Veliki Krivelj, II Rudarsko-geološki forum Prijedor 2016, Prijedor, Bosnia and Herzegovina, 2016, pp. 385 - 390
2. S. Urošević, V. Stefanović, D. Đorđević: Analiza radnog okruženja u tekstilnim organizacijama u cilju ostvarivanju najvišeg nivoa bezbednosti i zdravlja zaposlenih, Peti naučno stučni skup sa međunarodnim učešćem, DMT 2016, Tendencija razvoja i inovativni pristup u tekstilnoj industriji, Beograd, Serbia, 2016, pp. 156 - 161
3. D. Đorđević, S. Đorđević, S. Urošević, S. Antić: Inteligentni tekstil-stvarna potreba ili modni detalj , Peti naučno stučni skup sa međunarodnim učešćem, DMT 2016, Tendencija razvoja i inovativni pristup u tekstilnoj industriji, Beograd, Serbia, 2016, pp. 67 - 72
4. M. Jevtić, N. Jovanović, J. Radosavljević: Application of gravitational search algorithm and genetic algorithm on three stage supply chain network model, Informacione tehnologije, obrazovanje i preduzetništvo ITOP16, Čačak, Serbia, 2016, pp. 67 - 79

M64 - 2

1. U. Stamenković, S. Ivanov, I. Marković: Mikrostrukturna karakterizacija Al-Mg-Si legure posle termičke obrade starenjem (Microstructural characterization of the Al-Mg-Si alloy after aging heat treatment), Četvrta konferencija mladih hemičara Srbije, Beograd, Serbia, 2016, pp. 92 - 92
2. D. Mihajlović, M. Maksimović, S. Urošević: The Environmental Dimension of Sustainability of Rural Tourism of Stara Planina , International scientific Conference on Ecological crisis: Technogenesis and climate change, Beograd, Serbia, 2016, pp. 199

M66 - 1

1. Z. Štirbanović: Zbornik radova V Studentski Simpozijum „Reciklažne tehnologije i održivi razvoj”, V Studentski Simpozijum „Reciklažne tehnologije i održivi razvoj”, Bor, Serbia, 2016, pp.

M71 - 4

1. D. Voza: Modelovanje prostornih i vremenskih promena kvaliteta površinskih voda, 2016
2. I. Radojević: Uopšteni inverzi i kvazihiponormalne matrice u prostorima sa nedefinitnim skalarnim proizvodom, 2016
3. T. Kalinović: Mogućnosti korišćenja bora, lipe i zove u biomonitoringu i fitoremedijaciji, 2016
4. M.Nujkić: Biomonitoring teških metala u oblastima zagađenim rudarsko-metalurškim aktivnostima korišćenjem voćnih vrsta: divlja kupina, vinova loza, vinogradarska breza I jabuka,2016

Udžbenici - 6

1. I. Đolović: Statistika, Editors: Prof. dr Svetlana Ivanov, Publisher: Tehnički fakultet u Boru Univerziteta u Beogradu, Printed by SVEN, ISBN 978-86-6305-049-5, pp. 170, 2016

2. I. Mihajlović, N. Milijić, A. Jovanović: Upravljanje proizvodnjom, Editors: Prof. dr Svetlana Ivanov, Predsednik komisije za izdavačku delatnost – Tehničkog fakulteta u Boru, Publisher: Univerzitet u Beogradu, Tehnički fakultet u Boru, Printed by e-izdanje, ISBN 978-86-6305-039-6, pp. 279, 2016
3. D. Brodić, M. Jevtić: Zbirka zadataka iz Informatike 1, Editors: Prof. dr Svetlana Ivanov, Publisher: Univerzitet u Beogradu, Tehnički fakultet u Boru, Printed by SaTCIP d.o.o. Vrnjačka Banja, ISBN 978-86-6305-038-9, pp. 102, 2016
4. I. Nikolić, Đ. Nikolić, I. Mihajlović, A. Jovanović: TEORIJA SISTEMA - Zbirka rešenih zadataka - drugo izmenjeno i dopunjeno izdanje, Editors: Dr Svetlana Ivanov Vanredni profesor Tehničkog fakulteta u Boru, Univerziteta u Beogradu, Publisher: Tehnički fakultet u Boru, Univerziteta u Beogradu, Printed by Tehnički fakultet u Boru, Univerziteta u Beogradu, ISBN 978-86-6305-046-4, pp. 974, 2016
5. R. Stanojlović, J. Sokolović: ТЕХНОЛОГИЈЕ И ОДРЖИВИ РАЗВОЈ, Editors: Проф. др Светлана Иванов, Publisher: Универзитет у Београду, Технички факултет у Бору, Printed by Графомед траде Бор, ISBN 978-86-6305-055-6, pp. 215, 2016
6. M. Cocić, Ž. Milićević, S. Cocić: ISTRAŽIVANJE LEŽIŠTA MINERALNIH SIROVINA , Editors: Prof. dr Svetlana Ivanov, Publisher: Tehnički fakultet u Boru, Univerzitet u Beogradu , Printed by Tehnički fakultet u Boru, Univerzitet u Beogradu, ISBN 978-86-6305-045-7, pp. 182, 2016

Prilog 2.**CITIRANOST ISTRAŽIVAČA SA TF BOR U 2016. GODINI (202 radova citirano 474 puta)**

1. Stanković V., Božić D., Gorgievski M., Bogdanović G., Heavy metal ions adsorption from mine waters by sawdust, Chemical Industry & Chemical Engineering Quarterly, Vol. 15, No. 4, (2009), pp. 237–249.

2016-1) Sahmoune, M.N., Yeddou, A.R. Potential of sawdust materials for the removal of dyes and heavy metals: examination of isotherms and kinetics. Desalination and Water Treatment, 57 (50) (2016), pp. 24019-24034.

2016-2) Ouyang, F., Zhai, H., Ji, M., Zhang, H., Dong, Z Physiological and transcriptional responses of nitrifying bacteria exposed to copper in activated sludge, Journal of Hazardous Materials, 301, (2016) pp. 172-178.

2016-3) Ngapa, Y.D., Sugiarti, S., Abidin, Z. Hydrothermal transformation of natural zeolite from Ende-NTT and its application as adsorbent of cationic dye, Indonesian Journal of Chemistry, 16 (2), (2016) pp. 138-143.

2. Božić D., Stanković V.,Gorgievski M.,Bogdanović G.,Kovacevic R. Adsorption of heavy metal ions by sawdust of deciduous trees, Journal of Hazardous Materials, 171 (1-3) (2009), pp. 684-692.

2016-4) Hossein Beyki, M., Alijani, H., Fazli, Y. Biosorption of aqueous lead and nickel by solvent-free synthesized flake-like polysaccharide resin, Desalination and Water Treatment, 57 (56) (2016) , pp. 27409-27418.

2016-5) Sahmoune, M.N., Yeddou, A.R. Potential of sawdust materials for the removal of dyes and heavy metals: examination of isotherms and kinetics, Desalination and Water Treatment, 57 (50) (2016) , pp. 24019-24034.

2016-6) Wang, Z., Huang, Y., Wang, M., Wu, G., Geng, T., Zhao, Y., Wu, A. Macroporous calcium alginate aerogel as sorbent for Pb²⁺ removal from water media, Journal of Environmental Chemical Engineering, 4 (3) (2016), pp. 3185-3192.

2016-7) Marzougui, Z., Chaabouni, A., Elleuch, B., Elaissari, A. Removal of bisphenol A and some heavy metal ions by polydivinylbenzene magnetic latex particles, Environmental Science and Pollution Research, 23 (16) (2016), pp. 15807-15819.

2016-8) Tang, Q., Liu, P., Tu, S., Li, C., Wen, Y., Chen, N. Treatment of Pb(II) ion in simulated wastewater by rice straw modified by nitric acid, Chinese Journal of Environmental Engineering, 10 (7) (2016), pp. 3409-3414.

2016-9) Sciban, M., Vulic, T., Kukic, D., Prodanovic, J., Klasnja, M. Characterization of raw and treated sugar beet shreds for copper ions adsorption, Desalination and Water Treatment, 57 (31) (2016), pp. 14590-14597.

2016-10) Zhang, X., Duan, C., Jia, X., Dai, B. Carboxylation kapok fiber as a low-cost, environmentally friendly adsorbent with remarkably enhanced adsorption capacity for cationic dyes, Research on Chemical Intermediates, 42 (5) (2016) , pp. 5069-5085.

2016-11) Hosseinzadeh, H., Mohammadi, S. Biosorption of anionic dyes from aqueous solutions using a novel magnetic nanocomposite adsorbent based on rice husk ash, Separation Science and Technology (Philadelphia), 51 (6) (2016), pp. 939-953.

2016-12) Tekin, K., Akalin, M.K., Uzun, L., Karagöz, S., Bektaş, S., Denizli, A. Adsorption of Pb(II) and Cd(II) Ions Onto Dye-Attached Sawdust, Clean - Soil, Air, Water, 44 (4) (2016), pp. 339-344.

2016-13) Paravathana, G.N., Kawamoto, K., Inoue, Y., Saito, T., Vithanage, M., Kalpage, C.S., Herath, G.B.B. Adsorption of Cd²⁺ and Pb²⁺ onto coconut shell biochar and biochar-mixed soil, Environmental Earth Sciences, 75 (6) (2016), art. no. 484, .

3.Gorgievski M.,Božić D.,Stanković V.,Bogdanović G. Copper electrowinning from acid mine drainage: A case study from the closed mine "Cerovo", Journal of Hazardous Materials, 170 (2-3), (2009), pp. 716-721.

2016-14) Chen, C.-S., Shih, Y.-J., Huang, Y.-H. Recovery of lead from smelting fly ash of waste lead-acid battery by leaching and electrowinning Waste Management, 52, (2016), pp. 212-220.

4. Antonijevic M.M., Bogdanovic G.D., Radovanovic M.B., Petrovic M.B., Stamenkovic A.T. Influence of pH and chloride ions on electrochemical behavior of brass in alkaline solution , International Journal of Electrochemical Science, (5) (2009), pp. 654-661.

- 2016-15)** Almomani, M.A., Tayfour, W.R., Nemrat, M.H. Effect of silicon carbide addition on the corrosion behavior of powder metallurgy Cu-30Zn brass in a 3.5 wt% NaCl solution, Journal of Alloys and Compounds, 679, (2016), pp. 104-114.
- 2016-16)** Almomani, M.A., Tayfour, W.R., Nimrat, M.H. Influence of graphite content on corrosion behavior of cartridge brass in a 3.5 wt. % NaCl solution, International Journal of Electrochemical Science, 11 (6), (2016), pp. 4515-4525.
- 2016-17)** Almomani, M.A., Tayfour, W.R., Nimrat, M.H. Influence of graphite content on corrosion behavior of cartridge brass in a 3.5 wt. % NaCl solution, International Journal of Electrochemical Science, 11 (5) (2016), pp. 3436-3447.
- 2016-18)** Benmessaoud, M., Serghini Idrissi, M., Labjar, N., Rhattas, K., Damej, M., Hajjaji, N., Srhiri, A., El Hajjaji, S. Inhibition effect of aminotriazole derivative on the corrosion of Cu-40Zn alloy in 3%NaCl solution in presence of Sulphide ions , Der Pharma Chemica, 8 (4) (2016), pp. 122-132.

5. Antonijevic M.M., Dimitrijevic M.D., Stevanovic Z.O., Serbula S.M., Bogdanovic G.D. Investigation of the possibility of copper recovery from the flotation tailings by acid leaching, Journal of Hazardous Materials, (1) (2008), pp. 23-34.

- 2016-19)** Mao, Y.-B., Deng, J.-S., Wen, S.-M., Fang, J.-J., Yin, Q. Recovering copper from volcanic ASH by $\text{NH}_3 \cdot \text{H}_2\text{O}-\text{NH}_2\text{COONH}_4$ Russian Journal of Non-Ferrous Metals, 57 (6) (2016), pp. 533-543.
- 2016-20)** Jeremic, S., Beškoski, V.P., Djokic, L., Vasiljević, B., Vrvić, M.M., Avdalović, J., Gojgić Cvijović, G., Beškoski, L.S., Nikodinovic-Runic, J. Interactions of the metal tolerant heterotrophic microorganisms and iron oxidizing autotrophic bacteria from sulphidic mine environment during bioleaching experiments, Journal of Environmental Management, 172, (2016) pp. 151-161.
- 2016-21)** Guo, Z., Zhu, D., Pan, J., Wu, T., Zhang, F. Improving beneficiation of copper and iron from copper slag by modifying the molten copper slag, Metals, 6 (4), art. no. 86
- 2016-22)** Xiao, H., Li, R., Du, D. Recovery of copper from arsenic sulfide residue by oxidizing ammonium leaching, Chinese Journal of Environmental Engineering, 10 (2), (2016) pp. 893-898.

6. Antonijevic M.M., Dimitrijevic M.D., Serbula S.M., Dimitrijevic V.L.J., Bogdanovic G.D., Milic S.M. Influence of inorganic anions on electrochemical behaviour of pyrite, Electrochimica Acta, (20)(2005), pp.4160-4167.

- 2016-23)** Perdicakis, M., Qin, Q., Bertucci, M., Aubriet, H. Voltammetry of MicroParticles in Thin Layer, Electrochimica Acta, 193, (2016), pp. 172-179.

7. Antonijevic M.M., Bogdanovic G.D. Investigation of the leaching of chalcopyritic ore in acidic solutions, Hydrometallurgy, (3-4) (2004), pp. 245-256.

- 2016-24)** Wei, Z., Li, Y., Xiao, Q., Song, S. The influence of impurity monovalent cations adsorption on reconstructed chalcopyrite (001)-S surface in leaching process (2016) Minerals, 6 (3), .
- 2016-25)** Li, Y., Wei, Z., Qian, G., Li, J., Gerson, A.R. Kinetics and mechanisms of chalcopyrite dissolution at controlled Redox potential of 750 mV in sulfuric acid solution Minerals, 6 (3), (2016) art. no. 83, .
- 2016-26)** Kocaman, A.T., Cemek, M., Edwards, K.J. Kinetics of pyrite, pyrrhotite, and chalcopyrite dissolution by Acidithiobacillus ferrooxidans, Canadian Journal of Microbiology, 62 (8) (2016), pp. 629-642.
- 2016-27)** Ghorbani, Y., Franzidis, J.-P., Petersen, J. Heap leaching technology - Current State, innovations, and future directions: A review, Mineral Processing and Extractive Metallurgy Review, 37 (2) (2016), pp. 73-119.

8. Magdalinovic N., Trumic M., Trumic G., Magdalinovic S., Trumic M. Determination of the Bond work index on samples of non-standard size, International Journal of Mineral Processing, (2012), pp. 48-50.

- 2016-28)** Rodríguez, B.Á., García, G.G., Coello-Velázquez, A.L., Menéndez-Aguado, J.M. Product size distribution function influence on interpolation calculations in the Bond ball mill grindability test, International Journal of Mineral Processing, 157, (2016), pp. 16-20.

2016-29) Makhija, D., Mukherjee, A.K. Effect of undersize misplacement on product size distribution of Bond's ball mill test, Transactions of the Institutions of Mining and Metallurgy, Section C: Mineral Processing and Extractive Metallurgy, 125 (2), (2016), pp. 117-124.

9. Magdalinovic N., Trumic M., Trumic M., Andric L., Physicochemical Problems of Mineral Processing, (2) (2012), pp. 329-339.

2016-30) Farizhandi, A.A.K., Zhao, H., Lau, R. Modeling the change in particle size distribution in a gas-solid fluidized bed due to particle attrition using a hybrid artificial neural network-genetic algorithm approach, Chemical Engineering Science, 155, (2016), pp. 210-220

10. Trumic M., Magdalinovic N. New model of screening kinetics, Minerals Engineering, (1)(2011), pp. 42-49.

2016-31) Elskamp, F., Kruggel-Emden, H., Hennig, M., Teipel, U. Discrete element investigation of process models for batch screening under altered operational conditions, Powder Technology, 301, (2016), pp. 78-95.

2016-32) Mosnegutu, E., Nedeff, V., Bontas, O., Barsan, N., Chitimis, D., Rusu, D. Determination of kinematic indices corresponding to a solid particle on a flat oscillating surface, IOP Conference Series: Materials Science and Engineering, 147 (1) (2016), art. no. 012151, .

2016-33) Rodriguez, C.G., Moncada, M.A., Dufeu, E.E., Razeto, M.I. Nonlinear model of vibrating screen to determine permissible spring deterioration for proper separation, Shock and Vibration, 2016, art. no. 4028583, .

2016-34) Guerreiro, F.S., Gedraite, R., Ataíde, C.H. Residual moisture content and separation efficiency optimization in pilot-scale vibrating screen, Powder Technology, 287, (2016), pp. 301-307.

2016-35) Trumic, M.S., Antonijevic, M.M. Toner recovery from suspensions with fiber and comparative analysis of two kinetic models, Physicochemical Problems of Mineral Processing, 52 (1) (2016), pp. 5-17.

11. Terzic A., Obradovic N., Andric L., Stojanovic J., Pavlovic V. Investigation of thermally induced processes in corundum refractory concretes with addition of fly ash, Journal of Thermal Analysis and Calorimetry, (2) (2015), pp. 1339-1352.

2016-36) Šoukal, F., Koplík, J., Ptáček, P., Opravil, T., Havlica, J., Palou, M.T., Kalina, L. The influence of pH buffers on hydration of hydraulic phases in system CaO-Al₂O₃, Journal of Thermal Analysis and Calorimetry, 124 (2), (2016), pp. 629-638.

2016-37) Klemczak, B., Batog, M. Heat of hydration of low clinker cements: Part II - Determination of apparent activation energy and validity of the equivalent age approach, Journal of Thermal Analysis and Calorimetry, 123 (2), (2016), pp. 1361-1369.

12. Andric L., Terzic A., Acimovic-Pavlovic Z., Pavlovic L., Petrov M. Comparative kinetic study of mechanical activation process of mica and talc for industrial application, Composites Part B: Engineering, (2014), pp.181-190.

2016-38) Brigatti, M.F., Elmi, C., Guggenheim, S., Malferrari, D., Poppi, M. An alternative method of calculating cleavage energy: The effect of compositional domains in micas ,American Mineralogist, 101 (12), (2016), pp. 2738-2746.

13. Magdalinovic N., Trumic M., Trumic M., Andric L. The optimal ball diameter in a mill, Physicochemical Problems of Mineral Processing, (2) (2012), pp.329-339

2016-39) Farizhandi, A.A.K., Zhao, H., Lau, R. Modeling the change in particle size distribution in a gas-solid fluidized bed due to particle attrition using a hybrid artificial neural network-genetic algorithm approach, Chemical Engineering Science, 155, (2016), pp. 210-220.

14. Acimovic-Pavlovic Z., Andric L., Milosevic V., Milicevic S. Refractory coating based on cordierite for application in new evaporate pattern casting process, Ceramics International, (1) (2011), pp. 99-104.

2016-40) Yao, S., Wang, T. Improved surface of additive manufactured products by coating ,Journal of Manufacturing Processes, 24, (2016), pp. 212-216.

2016-41) Moura, G. Baseline characteristics of a debris-covered snow-covered gorge in a typical Japanese mountainous terrain, Gondwana Research, 35, (2016), pp. 155-163.

15. Acimovic Z., Pavlovic L., Trumbulovic L., Andric L., Stamatovic M. Synthesis and characterization of the cordierite ceramics from nonstandard raw materials for application in foundry, Materials Letters, 57 (18) (2003), pp. 2651-2656.

2016-42) Shi, W., Liu, B., Deng, X., Li, J., Yang, Y. In-situ synthesis and properties of cordierite-bonded porous SiC membrane supports using diatomite as silicon source, Journal of the European Ceramic Society, 36 (14), (2016), pp. 3465-3472.

2016-43) Obradović, N., Filipović, S., Đorđević, N., Kosanović, D., Marković, S., Pavlović, V., Olćan, D., Djordjević, A., Kachlik, M., Maca, K. Effects of mechanical activation and two-step sintering on the structure and electrical properties of cordierite-based ceramics, Ceramics International, 42 (12), (2016), pp. 13909-13918.

2016-44) Benhammou, A., El Hafiane, Y., Abourriche, A., Abouliatim, Y., Nibou, L., Yaacoubi, A., Tessier-Doyen, N., Smith, A., Tanouti, B. Influence of sintering temperature on the microstructural and mechanical properties of cordierite synthesized from andalusite and talc, Materials Letters, 172, (2016), pp. 198-201.

2016-45) Sembiring, S., Simanjuntak, W., Situmeang, R., Riyanto, A., Sebayang, K. Preparation of refractory cordierite using amorphous rice husk silica for thermal insulation purposes, Ceramics International, 42 (7), (2016), pp. 8431-8437.

2016-46) Pongphot, S., Thiansem, S. The effect of alumina ($\text{Al}_{2}\text{O}_{3}$) on the characteristics of sintered mullite-cordierite ceramics synthesized with kaolin from naratiwas of Thailand, Key Engineering Materials, 690, (2016), pp. 65-70.

2016-47) Srinivasa Rao, E., Manohar, P. Effect of microwave sintering on the hot modulus of rupture and thermal shock resistance of zirconia doped cordierite, Journal of Ceramic Processing Research, 17 (11), (2016), pp. 1164-1170.

2016-48) Rao, E.S., Manohar, P. Effect of particle size on high purity cordierite for kiln furniture applications, Journal of Ceramic Processing Research, 17 (5), (2016), pp. 448-453.

16. Stanojlović, R.D., Sokolović, J.M. A study of the optimal model of the flotation kinetics of copper slag from copper mine BOR, Archives of Mining Sciences, 59 (3) (2014), pp. 821-834.

2016-49) Bu, X., Xie, G., Peng, Y., Chen, Y. Kinetic modeling and optimization of flotation process in a cyclonic microbubble flotation column using composite central design methodology, International Journal of Mineral Processing, 157, (2016), pp. 175-183.

17. Sokolovic, J.M., Stanojlović, R.D., Markovic, Z.S. Activation of oxidized surface of anthracite waste coal by attrition, Physicochemical Problems of Mineral Processing, 48 (1), (2012) pp. 5-18.

2016-50) Zhu, X., Tao, Y., Sun, Q., Man, Z., Xian, Y. Deashing and desulphurization of fine oxidized coal by falcon concentrator and flotation, Physicochemical Problems of Mineral Processing, 52 (2), (2016) pp. 634-646.

18. Sokolović, J.M., Stanojlović, R.D., Marković, Z.S. The effects of pretreatment on the flotation kinetics of waste coal, International Journal of Coal Preparation and Utilization, 32 (3), (2012), pp. 130-142.

2016-51) Liao, Y., Cao, Y., Liu, C., Zhu, G. A study of kinetics on oily-bubble flotation for a low-rank coal, International Journal of Coal Preparation and Utilization, 36 (3), (2016), pp. 151-162.

2016-52) Zhu, X., Tao, Y., Sun, Q., Man, Z., Xian, Y. Deashing and desulphurization of fine oxidized coal by falcon concentrator and flotation, Physicochemical Problems of Mineral Processing, 52 (2), (2016), pp. 634-646.

19. Štirbanovic Z.M., Markovic Z.S. The Effect of Copper Bearing Particles Liberation on Copper Recovery from Smelter Slag by Flotation, Separation Science and Technology, 46 (16), (2011), pp. 2496-2500.

2016-53) Roy, S., Sarkar, S., Datta, A., Rehani, S. Importance of mineralogy and reaction kinetics for selecting leaching methods of copper from copper smelter slag, Separation Science and Technology (Philadelphia), 51 (1), (2016), pp. 135-146.

20. Petrović, D.V., Tanasijević, M., Milić, V., Lilić, N., Stojadinović, S., Srvkota, I. Risk assessment model of mining equipment failure based on fuzzy logic, Expert Systems with Applications, 41 (18), (2014), pp. 8157-8164.

- 2016-54)** Lin, C.-C., Guo, K.-H., Lin, Y.-C. A simple and effective remedial learning system with a fuzzy expert system, *Journal of Computer Assisted Learning*, 32 (6), (2016), pp. 647-662.
- 2016-55)** Dağsuyu, C., Göçmen, E., Narlı, M., Kokangül, A. Classical and fuzzy FMEA risk analysis in a sterilization unit, *Computers and Industrial Engineering*, 101, (2016), pp. 286-294.
- 2016-56)** Nawrocki, T.L., Jonek-Kowalska, I. Assessing operational risk in coal mining enterprises – Internal, industrial and international perspectives, *Resources Policy*, 48, (2016), pp. 50-67.
- 2016-57)** Chiacchio, F., D'Urso, D., Compagno, L., Pennisi, M., Pappalardo, F., Manno, G. SHyFTA, a Stochastic Hybrid Fault Tree Automaton for the modelling and simulation of dynamic reliability problems, *Expert Systems with Applications*, 47, (2016), pp. 42-57.
- 2016-58)** Andrić, J.M., Lu, D.-G. Risk assessment of bridges under multiple hazards in operation period, *Safety Science*, 83, (2016), pp. 80-92.
- 2016-59)** Xiao, H., Zhu, Y. Optimization of the ductility about the high reinforced concrete frame -shear wall structure, *Chemical Engineering Transactions*, 51, (2016), pp. 991-996.
- 2016-60)** Amirshenava, S., Osanloo, M., Esfahanipour, A., Nadimi, S. Closure risk assessment in Choghart iron ore mine using 3D Risk Model, *2016 SME Annual Conference and Expo: The Future for Mining in a Data-Driven World*, (2016), pp. 274-278.

21. Stojadinovic, S., Pantovic, R., Zikic, M., Stojanovic, G. FEM comparison of crack response to blasting ground vibrations and environmental changes, *Acta Montanistica Slovaca*, 19 (4), (2014), pp. 175-181.

2016-61) Sviatskii, V., Repko, A., Janačova, D., Ivandič, Ž., Perminova, O., Nikitin, Y. Regeneration of a fibrous sorbent based on a centrifugal process for environmental geology of oil and groundwater degradation, *Acta Montanistica Slovaca*, 21 (4), (2016), pp. 272-279.

22. Stojadinović, S., Lilić, N., Pantović, R., Žikić, M., Denić, M., Čokorilo, V., Svrkota, I., Petrović, D. A new model for determining flyrock drag coefficient, *International Journal of Rock Mechanics and Mining Sciences*, 62, (2013), pp. 68-73.

2016-62) Bahadori, M., Bakhshandeh Amniah, H., Khajezadeh, A. A new geometrical-statistical algorithm for predicting two-dimensional distribution of rock fragments caused by blasting, *International Journal of Rock Mechanics and Mining Sciences*, 86, (2016), pp. 55-64.

23. Stojadinović, S., Pantović, R., Žikić, M. Prediction of flyrock trajectories for forensic applications using ballistic flight equations, *International Journal of Rock Mechanics and Mining Sciences*, 48 (7), (2011), pp. 1086-1094.

2016-63) Bahadori, M., Bakhshandeh Amniah, H., Khajezadeh, A. A new geometrical-statistical algorithm for predicting two-dimensional distribution of rock fragments caused by blasting, *International Journal of Rock Mechanics and Mining Sciences*, 86, (2016), pp. 55-64.

2016-64) Raina, A.K., Murthy, V.M.S.R. Prediction of Flyrock Distance in Open Pit Blasting Using Surface Response Analysis, *Geotechnical and Geological Engineering*, 34 (1), (2016), pp. 15-28.

2016-65) Raina, A.K., Murthy, V.M.S.R. Importance and sensitivity of variables defining throw and flyrock in surface blasting by artificial neural network method (2016) *Current Science*, 111 (9), pp. 1524-1531.

2016-66) Jahed Armaghani, D., Tonnizam Mohamad, E., Hajihassani, M., Alavi Nezhad Khalil Abad, S.V., Marto, A., Moghaddam, M.R. Evaluation and prediction of flyrock resulting from blasting operations using empirical and computational methods, *Engineering with Computers*, 32 (1), (2016), pp. 109-121.

24. Lapcevic R., Kostic S., Pantovic R., Vasovic N. Prediction of blast-induced ground motion in a copper mine, *International Journal of Rock Mechanics and Mining Sciences*, (2014), pp. 19-25.

2016-67) Wang, W., Fang, J., Zhang, S., Chen, Y. Blast-induced horizontal ground vibration in wet sand, *Jiefangjun Ligong Daxue Xuebao/Journal of PLA University of Science and Technology (Natural Science Edition)*, 17 (4), (2016), pp. 330-337.

2016-68) Ceryan, N. A review of soft computing methods application in rock mechanic engineering, *Civil and Environmental Engineering: Concepts, Methodologies, Tools, and Applications*, 2, (2016), pp. 606-673.

25. Ilic I., Zivkovic D., Vusovic N., Bogdanovic D. Optimizing the SO₂ total emission control strategy: Case study-Bor (Serbia) 2010, *Environmental Monitoring and Assessment*, (1-4) pp. 587-596.

- 2016-69)** Banerjee, P., Ghose, M.K., Spatial analysis of environmental impacts of highway projects with special emphasis on mountainous area: an overview, *Impact Assessment and Project Appraisal*, 34 (4) (2016), pp. 279-293.
- 26. Manasijevic D., Zivkovic D., Cacic M., Janjic D., Zivkovic Z. Phase equilibria in the quasibinary GaSb-Pb system, *Thermochimica Acta*, (1-2)(2004) pp. 295-297.**
- 2016-71)** Niculescu, F., Marcu, D.F., Constantin, I., Heica, I.D.S. Thermodynamic measures calculation for pb-sb binary alloy system using redlich-kister theoretical model, *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, 78 (2), (2016), pp. 239-245.
- 27. Pozega E., Ivanov S., Stevic Z., Karanovic L., Tomanec R., Gomidzelovic L., Kostov A. Identification and characterization of single crystal Bi₂Te₃xSex alloy, *Transactions of Nonferrous Metals Society of China (English Edition)*, (10) (2015), pp.3279-3285.**
- 2016-72)** Adam, A.M., Lilov, E., Petkov, P. Effect of compositional dependence on physicochemical properties of Bi₂Se₃ doped system, *Materials Science in Semiconductor Processing*, 52, (2016), pp. 1-7
- 2016-73)** Chen, Z.-J., Li, J.-X., Zhou, B.-Y., Wen, C.-L. Thermoelectric properties of Mg₂Si thin films prepared by magnetron sputtering based on composite target, *Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals*, 26 (6), (2016), pp. 1214-1221.
- 2016-74)** Ammer, K. Thermography 2015 - A computer-assisted literature survey, *Thermology International*, 26 (1), (2016), pp. 5-42.
- 28. Stevic Z., Rajcic-Vujasinovic M., Radovanovic I., Comparative analysis of dynamic electrochemical test methods of supercapacitors, *International Journal of Electrochemical Science* (12) (2014) pp.7110-7130.**
- 2016-75)** Jana, M., Kumar, J.S., Khanra, P., Samanta, P., Koo, H., Murmu, N.C., Kuila, T. Superior performance of asymmetric supercapacitor based on reduced graphene oxide-manganese carbonate as positive and sono-chemically reduced graphene oxide as negative electrode materialsn (2016) *Journal of Power Sources*, 303, pp. 222-233.
- 29.Tanikic D., Manic M., Devedzic G., Stevic Z., Modelling metal cutting parameters using intelligent techniques. *Strojnicki Vestnik/Journal of Mechanical Engineering*, (1)(2010) pp.52-62.**
- 2016-76)** Cebi, S., Ozkok, M., Kafali, M., Kahraman, C. A Fuzzy Multiphase and Multicriteria Decision-Making Method for Cutting Technologies Used in Shipyards, *International Journal of Fuzzy Systems*, 18 (2), pp.(2016), 198-211.
- 30. Stevic Z., Vujasinovic M.R., Radunovic M. Estimation of parameters obtained by electrochemical impedance spectroscopy on systems containing high capacities., *Sensors*, (9) (2009), pp.7365-7373.**
- 2016-77)** Ashassi-Sorkhabi, H., Rezaei-Moghadam, B., Asghari, E., Bagheri, R., Kabiri, R. Sonoelectrosynthesized polypyrrole-graphene oxide nanocomposite modified by carbon nanotube and Cu₂O nanoparticles on copper electrode for electrocatalytic oxidation of methanol, *Journal of the Taiwan Institute of Chemical Engineers*, 69, (2016), pp. 118-130.
- 2016-78)** Fares, A.M., Klumpner, C., Sumner, M. Development of a battery energy loss observer based on improved equivalent circuit modeling 18th European Conference on Power Electronics and Applications, EPE 2016 ECCE Europe, (2016), art. no. 7695602, .
- 31. Stevic Z., Rajcic-Vujasinovic M. Chalcocite as a potential material for supercapacitors, *Journal of Power Sources*, (2 SPEC. ISS.) (2006), pp.1511-1517.**
- 2016-79)** Deen, K.M., Asselin, E. Differentiation of the non-faradaic and pseudocapacitive electrochemical response of graphite felt/CuFeS₂ composite electrodes, *Electrochimica Acta*, 212, (2016), pp. 979-991.
- 2016-80)** Bulakhe, R.N., Sahoo, S., Nguyen, T.T., Lokhande, C.D., Roh, C., Lee, Y.R., Shim, J.-J. Chemical synthesis of 3D copper sulfide with different morphologies for high performance supercapacitors application, *RSC Advances*, 6 (18), (2016), pp. 14844-14851.
- 2016-81)** Radhakrishnan, S., Kim, H.-Y., Kim, B.-S. Expeditious and eco-friendly fabrication of highly uniform microflower superstructures and their applications in highly durable methanol oxidation and high-performance supercapacitors ,*Journal of Materials Chemistry A*, 4 (31), (2016), pp. 12253-12262.

2016-82) Wang, K., Zhao, C., Zhang, Z., Min, S., Qian, X. A facile one-step route to synthesize the three-layer nanostructure of CuS/RGO/Ni₃S₂ and its high electrochemical performance, RSC Advances, 6 (21), (2016), pp. 16963-16971.

32. Despotovic V., Goertz N., Peric Z. Nonlinear long-term prediction of speech based on truncated Volterra series, IEEE Transactions on Audio, Speech and Language Processing, 20(3) , art. no. 2169788 , (2012), pp. 1069-1073.

2016-83) Zhang, S., Zhang, J., Pang, Y. Pipelined set-membership approach to adaptive Volterra filtering, Signal Processing, 129, (2016), pp. 195-203.

2016-84) Pang, Y., Zhang, J. A hierarchical alternative updated adaptive Volterra filter with pipelined architecture, Digital Signal Processing: A Review Journal, 56, (2016), pp. 67-78.

2016-85) Zeng, X., Liu, Z., Zhou, X., Zou, D. VKOPP: A kind of long-term prediction model for electronic system, 2015 IEEE 12th International Conference on Electronic Measurement and Instruments, ICEMI 2015, 2, art. no. 7494345, (2016), pp. 861-867.

2016-86) Hu, S.-N. Application of new neural network technology in traffic volume prediction, Revista de la Facultad de Ingeniería, 31 (6), (2016), pp. 75-83.

33. Podlubny I., Despotovic V., Skovranek T., McNaughton B.H. Shadows on the walls: Geometric interpretation of fractional integration, Journal of Online Mathematics and its Applications, (2007) pp.

2016-87) Tarasov, V.E. Geometric interpretation of fractional-order derivative, Fractional Calculus and Applied Analysis, 19 (5), (2016), pp. 1200-1221.

34. Tasic Z.Z., Antonijevic M.M. Copper corrosion behaviour in acidic sulphate media in the presence of 5-methyl-IH-benzotriazole and 5-chloro-IH-benzotriazole, Chemical Papers, (5) (2016), pp. 620-634

2016-88) Vastag, G., Nakomčić, J., Shaban, A. Thermodynamic properties of 5-(4'-isopropylbenzylidene)-2,4-dioxotetrahydro-1,3-thiazole as a Corrosion Inhibitor for copper in acid solution, International Journal of Electrochemical Science, 11 (10), (2016), pp. 8229-8244.

36. Alagic S.C., Totic S.B., Dimitrijevic M.D., Antonijevic M.M., Nujkic M.M. Assessment of the quality of polluted areas based on the content of heavy metals in different organs of the grapevine (*Vitis vinifera*) cv Tamjanika, Environmental Science and Pollution Research, (9) (2015), pp. 7155-7175.

2016-89) Palowski, B., Małkowska, E., Kurtyka, R., Szymanowska-Pułka, J., Gucwa-Przepióra, E., Małkowski, Ł., Woźnica, A., Małkowski, E. Bioaccumulation of heavy metals in selected organs of black locust (*Robinia pseudoacacia*) and their potential use as air contamination bioindicators, Polish Journal of Environmental Studies, 25 (5), (2016), pp. 2085-2096.

37. Petrovic Mihajlovic M.B., Antonijevic M.M. Copper corrosion inhibitors. Period 2008-2014. A review, International Journal of Electrochemical Science, (2) (2015), pp.1027-1053.

2016-90) Yang, W., Li, T., Zhou, H., Huang, Z., Fu, C., Chen, L., Li, M., Kuang, Y. Electrochemical and anti-corrosion properties of octadecanethiol and benzotriazole binary self-assembled monolayers on copper (2016) *Electrochimica Acta*, 220, pp. 245-251.

2016-91) Abu-Baker, A.N., Al-Qudah, M.A. A new dioxime corrosion inhibitor for the protection and conservation of copper: synthesis, characterization and evaluation in acidic chloride solution (2016) *Applied Physics A: Materials Science and Processing*, 122 (8), art. no. 765, .

2016-92) Wedian, F., Al-Qudah, M.A., Abu-Baker, A.N. The effect of *Capparis spinosa* L. Extract as a green inhibitor on the corrosion rate of copper in a strong alkaline solution (2016) *Portugaliae Electrochimica Acta*, 34 (1), pp. 39-51.

2016-93) Madkour, L.H., Elshamy, I.H. Experimental and computational studies on the inhibition performances of benzimidazole and its derivatives for the corrosion of copper in nitric acid (2016) *International Journal of Industrial Chemistry*, 7 (2), pp. 195-221.

2016-94) Grillo, F., Garrido Torres, J.A., Treanor, M.-J., Larrea, C.R., Götze, J.P., Lacovig, P., Frücht, H.A., Schaub, R., Richardson, N.V. Two-dimensional self-assembly of benzotriazole on an inert substrate (2016) *Nanoscale*, 8 (17), pp. 9167-9177.

- 2016-95)** Pal, A., Dey, S., Sukul, D. Effect of temperature on adsorption and corrosion inhibition characteristics of gelatin on mild steel in hydrochloric acid medium (2016) Research on Chemical Intermediates, 42 (5), pp. 4531-4549.
- 2016-96)** Žerjav, G., Milošev, I. Corrosion protection of brasses and zinc in simulated urban rain. Part II. the combination of inhibitors benzotriazole and 2-mercaptobenzimidazole with stearic acid (2016) Materials and Corrosion, 67 (1), pp. 92-103.
- 2016-97)** Li, J., Du, C.W., Liu, Z.Y., Li, X.G., Liu, M. Inhibition film formed by 2-mercaptobenzothiazole on copper surface and its degradation mechanism in sodium chloride solution (2016) International Journal of Electrochemical Science, 11 (12), pp. 10690-10705.
- 2016-98)** Vastag, G., Nakomčić, J., Shaban, A. Thermodynamic properties of 5-(4'-isopropylbenzylidene)-2,4-dioxotetrahydro-1,3-thiazole as a Corrosion Inhibitor for copper in acid solution (2016) International Journal of Electrochemical Science, 11 (10), pp. 8229-8244.

38. Simonovic A.T., Petrovic M.B., Radovanovic M.B., Milic S.M., Antonijevic M.M. Inhibition of copper corrosion in acidic sulphate media by eco-friendly amino acid compound, Chemical Papers, (3) (2014),pp. 362-371.

- 2016-99)** Sharma, P., Soni, A., Baroliya, P.K., Dashora, R., Goswami, A.K. Inhibition of corrosion of Cu(II) in HNO₃ using substituted hydroxytriazene (2016) Protection of Metals and Physical Chemistry of Surfaces, 52 (5), pp. 930-935.
- 2016-100)** Saadawy, M. Inhibitive Effect of Pantoprazole Sodium on the Corrosion of Copper in Acidic Solutions (2016) Arabian Journal for Science and Engineering, 41 (1), pp. 177-190.
- 2016-101)** Vastag, G., Nakomčić, J., Shaban, A. Thermodynamic properties of 5-(4'-isopropylbenzylidene)-2,4-dioxotetrahydro-1,3-thiazole as a Corrosion Inhibitor for copper in acid solution (2016) International Journal of Electrochemical Science, 11 (10), pp. 8229-8244.

39. Basic Z., Gupta V.K., Antonijevic M.M. The mechanism and kinetics of degradation of phenolics in wastewaters using electrochemical oxidation, International Journal of Electrochemical Science, (7) (2014), pp.3473-3490.

- 2016-102)** Singh, S., Kumar, N., Meena, V.K., Kranz, C., Mishra, S. Impedometric phenol sensing using graphenated electrochip (2016) Sensors and Actuators, B: Chemical, 237, pp. 318-328.
- 2016-103)** Mousavi, S.M.S., Ayati, B., Ganjidoust, H. Phenol removal and bio-electricity generation using a single-chamber microbial fuel cell in saline and increased-temperature condition (2016) Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 38 (22), pp. 3300-3307.
- 2016-104)** Loloi, M., Rezaee, A., Aliofkhazraei, M., Rouhaghdam, A.S. Electrocatalytic oxidation of phenol from wastewater using Ti/SnO₂-Sb₂O₃ electrode: chemical reaction pathway study (2016) Environmental Science and Pollution Research, 23 (19), pp. 19735-19743.
- 2016-105)** Ntsendwana, B., Peleyeju, M.G., Arotiba, O.A. The application of exfoliated graphite electrode in the electrochemical degradation of p-nitrophenol in water (2016) Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 51 (7), pp. 571-578.
- 2016-106)** Mu'azu, N.D., Al-Yahya, M., Al-Haj-Ali, A.M., Abdel-Magid, I.M. Specific energy consumption reduction during pulsed electrochemical oxidation of phenol using graphite electrodes (2016) Journal of Environmental Chemical Engineering, 4 (2), pp. 2477-2486.

40. Radovanovic M.B., Petrovic M.B., Simonovic A.T., Milic S.M., Antonijevic M.M. Cysteine as a green corrosion inhibitor for Cu37Zn brass in neutral and weakly alkaline sulphate solutions, Environmental Science and Pollution Research, (7) (2013), pp.4370-4381.

- 2016-107)** Alonso, C., Casero, E., Román, E., Campos, S.F.-P., De Mele, M.F.L. Effective inhibition of the early copper ion burst release by purine adsorption in simulated uterine fluids (2016) Electrochimica Acta, 189, pp. 54-63.
- 2016-108)** Benmessaoud, M., Serghini Idrissi, M., Labjar, N., Rhattas, K., Damej, M., Hajjaji, N., Srhiri, A., El Hajjaji, S. Inhibition effect of aminotriazole derivative on the corrosion of Cu-40Zn alloy in 3%NaCl solution in presence of Sulphide ions (2016) Der Pharma Chemica, 8 (4), pp. 122-132.

41. Petrovic M.B., Radovanovic M.B., Simonovic A.T., Milic S.M., Antonijevic M.M. The effect of cysteine on the behaviour of copper in neutral and alkaline sulphate solutions, International Journal of Electrochemical Science, (10) (2012), pp.9043-9057.

2016-109) Alonso, C., Casero, E., Román, E., Campos, S.F.-P., De Mele, M.F.L. Effective inhibition of the early copper ion burst release by purine adsorption in simulated uterine fluids (2016) *Electrochimica Acta*, 189, pp. 54-63.

42. Petrovic M.B., Simonovic A.T., Radovanovic M.B., Milic S.M., Antonijevic M.M. Influence of purine on copper behavior in neutral and alkaline sulfate solutions, Chemical Papers, (7) (2012), pp.664-676.

2016-110) Alonso, C., Casero, E., Román, E., Campos, S.F.-P., De Mele, M.F.L. Effective inhibition of the early copper ion burst release by purine adsorption in simulated uterine fluids (2016) *Electrochimica Acta*, 189, pp. 54-63.

43. Antonijevic M.M., Dimitrijevic M.D., Milic S.M., Nujkic M.M. Metal concentrations in the soils and native plants surrounding the old flotation tailings pond of the Copper Mining and Smelting Complex Bor (Serbia), Journal of Environmental Monitoring, (3) (2012), pp.866-877.

2016-111) Mleczek, M., Rutkowski, P., Niedzielski, P., Goliński, P., Gaścka, M., Kozubik, T., Dąbrowski, J., Budzyńska, S., Pakuła, J. The role of selected tree species in industrial sewage sludge/flotation tailing management (2016) *International Journal of Phytoremediation*, 18 (11), pp. 1086-1095.

44.Gupta V.K., Jain R., Antonijevic M.M., Khani H., Siddiqui M.N., Dwivedi A., Mishra R., Agarwal S. Assay of nimodipine - an anti hypertensive drug, in bulk form and pharmaceutical formulations by cathodic adsorptive stripping voltammetry, International Journal of Electrochemical Science, (1) (2011), pp. 37-5.

2016-112) Raut, A., Arulmozhi, S., Sutar, D.H., Sirvi, D.N., Sonawale, S.B., Sathiyanarayanan, L., Pawar, A.P. Evaluation of the interaction of nimodipine with pantoprazole in wistar rats (2016) *Der Pharmacia Lettre*, 8 (2), pp. 244-248.

2016-113) Ghoneim, E.M., El-Desoky, H.S. Electrochemistry of the COMT enzyme inhibitor entacapone and its determination in pharmaceutical formulation and human blood-pharmacokinetic study (2016) *Journal of the Electrochemical Society*, 163 (2), pp. H89-H98.

2016-114) Ghoneim, M.M., El-Desoky, H.S., Ahmed, H.M., El-badawy, F.M. Nano determination of kinase inhibitor sorafenib drug in pharmaceutical formulation and human blood at a modified carbon paste electrode (2016) *Journal of the Electrochemical Society*, 163 (6), pp. B215-B226.

45.Serbula S.M., Antonijevic M.M., Milosevic N.M., Milic S.M., Ilic A.A. Concentrations of particulate matter and arsenic in Bor (Serbia), Journal of Hazardous Materials, (1-3) (2010), pp.43-51.

2016-115) Barima, Y.S.S., Angaman, D.M., N'gouran, K.P., Koffi, N.A., Tra Bi, F.Z., Samson, R. Involvement of leaf characteristics and wettability in retaining air particulate matter from tropical plant species (2016) *Environmental Engineering Research*, 21 (2), pp. 121-131.

2016-116) Fang, G.-C., Huang, C.-S., Chang, C.-Y., Huang, J.-H., Liu, C.-K., Zhuang, Y.-J., Xiao, Y.-F., Kuo, Y.-C., Huang, C.-Y., Tsai, K.-H. Atmospheric total arsenic (As), (As³⁺) and (As⁵⁺) pollutants study in central Taiwan (2016) *Environmental Earth Sciences*, 75 (2), art. no. 124, pp. 1-7.

2016-117) Filimon, M.N., Popescu, R., Horhat, F.G., Voia, O.S. Environmental impact of mining activity in Bor area as indicated by the distribution of heavy metals and bacterial population dynamics in sediment (2016) *Knowledge and Management of Aquatic Ecosystems*, 2016-January (417), .

46.Antonijevic M.M., Milic S.M. Electrochemical behaviour of Cu24Zn5Al alloy in alkaline medium in the presence of chloride ions and benzotriazole , Materials Chemistry and Physics, (2-3)(2009), pp.385-391.

2016-118) Zhang, N., Zeng, D., Xiao, G., Shang, J., Liu, Y., Long, D., He, Q., Singh, A. Effect of Cl- accumulation on corrosion behavior of steels in H₂S/CO₂-methyldiethanolamine (MDEA) gas sweetening aqueous solution (2016) *Journal of Natural Gas Science and Engineering*, 30, pp. 444-454.

47.Antonijevic M.M., Milic S.M., Radovanovic M.B., Petrovic M.B., Stamenkovic A.T. Influence of pH and chlorides on electrochemical behavior of brass in presence of benzotriazole, International Journal of Electrochemical Science, (12) (2009), pp. 1719-1734.

- 2016-119) Elkhotfi, Y., Forsal, I., Rakib, E.M., Mernari, B.** Evaluation of the inhibitor effect of new class triazole derivatives on the corrosion of ordinary steel in hydrochloric acid solution (2016) *Der Pharma Chemica*, 8 (15), pp. 160-170.
- 48.Antonijevic M.M., Alagic S.C., Petrovic M.B., Radovanovic M.B., Stamenkovic A.T. The influence of pH on electrochemical behavior of copper in presence of chloride ions, International Journal of Electrochemical Science, (4) (2009), pp.516-524.**
- 2016-120) Pessu, F., Barker, R., Neville, A.** Understanding pitting corrosion behavior of X65 carbon steel in CO₂-saturated environments: The temperature effect (2016) *Corrosion*, 72 (1), pp. 78-94.
- 2016-121) Samide, A., Tutunaru, B., Dobrițescu, A., Ilea, P., Vladu, A.-C., Tigae, C.** Electrochemical and theoretical study of metronidazole drug as inhibitor for copper corrosion in hydrochloric acid solution (2016) *International Journal of Electrochemical Science*, 11 (7), pp. 5520-5534.
- 49.Antonijevic M.M., Milic S.M., Dimitrijevic M.D., Petrovic M.B., Radovanovic M.B., Stamenkovic A.T. The influence of pH and chlorides on electrochemical behavior of copper in the presence of benzotriazole, International Journal of Electrochemical Science, (7) (2009), pp.962-979.**
- 2016-122) Cho, B.-J., Shima, S., Hamada, S., Park, J.-G.** Investigation of cu-BTA complex formation during Cu chemical mechanical planarization process (2016) *Applied Surface Science*, 384, pp. 505-510.
- 50.Antonijevic M.M., Milic S.M., Petrovic M.B. Films formed on copper surface in chloride media in the presence of azoles, Corrosion Science, (6) (2009), pp.1228-1237.**
- 2016-123) Wang, Z., Gong, Y., Jing, C., Huang, H., Li, H., Zhang, S., Gao, F.** Synthesis of dibenzotriazole derivatives bearing alkylene linkers as corrosion inhibitors for copper in sodium chloride solution: A new thought for the design of organic inhibitors (2016) *Corrosion Science*, 113, pp. 64-77.
- 2016-124) Nam, N.D., Thang, V.Q., Hoai, N.T., Hien, P.V.** Yttrium 3-(4-nitrophenyl)-2-propenoate used as inhibitor against copper alloy corrosion in 0.1 M NaCl solution (2016) *Corrosion Science*, 112, pp. 451-461.
- 2016-125) Rahmani, K., Jadidian, R., Haghtalab, S.** Evaluation of inhibitors and biocides on the corrosion, scaling and biofouling control of carbon steel and copper–nickel alloys in a power plant cooling water system (2016) *Desalination*, 393, pp. 174-185.
- 2016-126) Abu-Baker, A.N., Al-Qudah, M.A.** A new dioxime corrosion inhibitor for the protection and conservation of copper: synthesis, characterization and evaluation in acidic chloride solution (2016) *Applied Physics A: Materials Science and Processing*, 122 (8), art. no. 765, .
- 2016-127) Burstein, G.T., Bi, H., Kawaley, G.** The Persistence of Inhibition of Copper Corrosion in Tap Water (2016) *Electrochimica Acta*, 191, pp. 247-255.
- 2016-128) Feng, X.-Q., Zhang, F., He, X.-P., Chen, G.-R., Wu, X.-Y., Sha, F.** Benzo[: C] carbazole derivatives produced by an effective Diels-Alder reaction: Synthesis and structure-activity-relationship for surface coating (2016) *RSC Advances*, 6 (79), pp. 75162-75165.
- 2016-129) Al-Shahrani, S.S., El-Shazly, A.H.** Corrosion inhibition of a gas sparged copper cylinder in a solution of NaCl and Na₂S by using 4-amino-4H-1,2,4-triazole as corrosion inhibitor (2016) *Journal of New Materials for Electrochemical Systems*, 19 (3), pp. 163-167.
- 2016-130) Finşgar, M.** Electrochemical Analysis of 4-methyl-2-phenyl-imidazole Adsorbed on Cu (2016) *International Journal of Electrochemical Science*, 11 (8), pp. 6775-6790.
- 2016-131) Benmessaoud, M., Serghini Idrissi, M., Labjar, N., Rhattas, K., Damej, M., Hajjaji, N., Srhiri, A., El Hajjaji, S.** Inhibition effect of aminotriazole derivative on the corrosion of Cu-40Zn alloy in 3%NaCl solution in presence of Sulphide ions (2016) *Der Pharma Chemica*, 8 (4), pp. 122-132.
- 2016-132) Li, J., Du, C.W., Liu, Z.Y., Li, X.G., Liu, M.** Inhibition film formed by 2-mercaptopbenzothiazole on copper surface and its degradation mechanism in sodium chloride solution (2016) *International Journal of Electrochemical Science*, 11 (12), pp. 10690-10705.
- 2016-133) Cai, L., Feng, X.-Q., Hua, X., He, X.-P., Long, Y.-T., Chen, G.-R.** Chelation as a strategy to reinforce cationic copper surface protection in acidic solutions (2016) *RSC Advances*, 6 (72), pp. 68351-68356.
- 51.Milic S.M., Antonijevic M.M. Some aspects of copper corrosion in presence of benzotriazole and chloride ions, Corrosion Science, (1) (2009), pp.28-34.**

- 2016-134)** Bertuola, M., Pissinis, D.E., Rubert, A.A., Prieto, E.D., Fernández Lorenzo de Mele, M.A. Impact of molecular structure of two natural phenolic isomers on the protective characteristics of electropolymerized nanolayers formed on copper (2016) *Electrochimica Acta*, 215, pp. 289-297.
- 2016-135)** Aouadi, S., Souissi, N. Early stages of tin bronze corrosion in neutral aqueous chloride media: Electrochemical and FTIR investigations (2016) *Materials and Corrosion*, 67 (10), pp. 1105-1113.
- 2016-136)** Bertuola, M., Grillo, C.A., Fernández Lorenzo de Mele, M. Reduction of copper ions release by a novel ecofriendly electropolymerized nanolayer obtained from a natural compound (carvacrol) (2016) *Journal of Hazardous Materials*, 313, pp. 262-271.
- 2016-137)** Žerjav, G., Milošev, I. Corrosion protection of brasses and zinc in simulated urban rain. Part II. the combination of inhibitors benzotriazole and 2-mercaptopbenzimidazole with stearic acid (2016) *Materials and Corrosion*, 67 (1), pp. 92-103.
- 2016-138)** Samide, A., Tutunaru, B., Dobrițescu, A., Ilea, P., Vladu, A.-C., Tigae, C. Electrochemical and theoretical study of metronidazole drug as inhibitor for copper corrosion in hydrochloric acid solution (2016) *International Journal of Electrochemical Science*, 11 (7), pp. 5520-5534.
- 2016-139)** Finšgar, M. Electrochemical Analysis of 4-methyl-2-phenyl-imidazole Adsorbed on Cu (2016) *International Journal of Electrochemical Science*, 11 (8), pp. 6775-6790.

52. Antonijevic M.M., Petrovic M.B. Copper corrosion inhibitors. A review, International Journal of Electrochemical Science, (1) (2008), pp.1-28.

- 2016-140)** Ingo, G.M., Riccucci, C., Lavorgna, M., Salzano de Luna, M., Pascucci, M., Di Carlo, G. Surface investigation of naturally corroded gilded copper-based objects, *Applied Surface Science*, 387, (2016), pp. 244-251.
- 2016-141)** Hourani, M.K., Abo-Hassan, H. Promotion of copper corrosion inhibition by application of a square wave potential regime to copper specimens in polyvinylpyrrolidone solutions, *Portugaliae Electrochimica Acta*, 34 (4), (2016), pp. 267-275.
- 2016-142)** Raja, P.B., Ismail, M., Ghoreishiamiri, S., Mirza, J., Ismail, M.C., Kakooei, S., Rahim, A.A. Reviews on Corrosion Inhibitors: A Short View, *Chemical Engineering Communications*, 203 (9), (2016), pp. 1145-1156.
- 2016-143)** Lotierzo, A., Pifferi, V., Ardizzone, S., Pasqualin, P., Cappelletti, G. Insight into the role of amines in Metal Working Fluids, *Corrosion Science*, 110, (2016) pp. 192-199.
- 2016-144)** Bertuola, M., Grillo, C.A., Fernández Lorenzo de Mele, M. Reduction of copper ions release by a novel ecofriendly electropolymerized nanolayer obtained from a natural compound (carvacrol), *Journal of Hazardous Materials*, 313, (2016), pp. 262-271.
- 2016-145)** Cho, A., Kim, S., Kim, S., Cho, W., Park, C., Kim, F.S., Kim, J.H. Influence of imidazole-based acidity control of PEDOT:PSS on its electrical properties and environmental stability, *Journal of Polymer Science, Part B: Polymer Physics*, 54 (15), (2016), pp. 1530-1536.
- 2016-146)** Abu-Baker, A.N., Al-Qudah, M.A. A new dioxime corrosion inhibitor for the protection and conservation of copper: synthesis, characterization and evaluation in acidic chloride solution, *Applied Physics A: Materials Science and Processing*, 122 (8), (2016), art. no. 765..
- 2016-147)** Gutiérrez, E., Rodríguez, J.A., Cruz-Borbolla, J., Alvarado-Rodríguez, J.G., Thangarasu, P. Development of a predictive model for corrosion inhibition of carbon steel by imidazole and benzimidazole derivatives, *Corrosion Science*, 108, (2016), pp. 23-35.
- 2016-148)** Madkour, L.H., Elshamy, I.H. Experimental and computational studies on the inhibition performances of benzimidazole and its derivatives for the corrosion of copper in nitric acid, *International Journal of Industrial Chemistry*, 7 (2), (2016). pp. 195-221
- 2016-149)** Zhang, B., Wu, J., Peng, D., Li, X., Huang, Y. In-situ scanning micro-electrochemical characterization of corrosion inhibitors on copper, *International Journal of Electrochemical Science*, 11 (5), (2016), pp. 4110-4119.
- 2016-150)** Qafsaoui, W., Kendig, M.W., Joiret, S., Perrot, H., Takenouti, H. Ammonium pyrrolidine dithiocarbamate adsorption on copper surface in neutral chloride media, *Corrosion Science*, 106, pp. (2016), 96-107.
- 2016-151)** Thanapackiam, P., Rameshkumar, S., Subramanian, S.S., Mallaiya, K. Electrochemical evaluation of inhibition efficiency of ciprofloxacin on the corrosion of copper in acid media, *Materials Chemistry and Physics*, 174, (2016), pp. 129-137.
- 2016-152)** Deyab, M.A., El Bali, B., Essehli, R., Ouarsal, R., Lachkar, M., Fuess, H.NaNi(H₂PO₃)₃·H₂O as a novel corrosion inhibitor for X70-steel in saline produced water, *Journal of Molecular Liquids*, 216, (2016), pp. 636-640.

- 2016-153)** Liang, Z., Fu, K., Idem, R., Tontiwachwuthikul, P. Review on current advances, future challenges and consideration issues for post-combustion CO₂ capture using amine-based absorbents, *Chinese Journal of Chemical Engineering*, 24 (2), (2016), pp. 278-288.
- 2016-154)** Liang, Z., Fu, K., Idem, R., Tontiwachwuthikul, P. Review on current advances, future challenges and consideration issues for post-combustion CO₂ capture using amine-based absorbents, *Chinese Journal of Chemical Engineering*, 24 (2), (2016), pp. 278-288.
- 2016-155)** Gu, L., Xue, Q., Peng, S., Wang, G., Han, J., Wu, X. A novel and facile strategy to inhibit corrosion: Thiol-click synthesis of polythiols and their skinning on a metal surface to form super thick protective films, *Polymer Chemistry*, 7 (3), (2016), pp. 625-632.
- 2016-156)** Al-Shahrani, S.S., El-Shazly, A.H. Corrosion inhibition of a gas sparged copper cylinder in a solution of NaCl and Na₂S by using 4-amino-4H-1,2,4-triazole as corrosion inhibitor, *Journal of New Materials for Electrochemical Systems*, 19 (3), (2016), pp. 163-167.
- 2016-157)** Finšgar, M. Electrochemical Analysis of 4-methyl-2-phenyl-imidazole Adsorbed on Cu, *International Journal of Electrochemical Science*, 11 (8), (2016), pp. 6775-6790.
- 2016-158)** Zhu, Y., Shi, Y., Huang, Z., Duan, L., Hu, Y., Gong, X. Preparation of Schiff base decorated graphene oxide and its application in TPU with enhanced thermal stability, *RSC Advances*, 6 (93), (2016), pp. 90018-90023.
- 2016-159)** Ramírez-Cano, J.A., Veleva, L. Direct measurement of the adsorption kinetics of 2-Mercaptobenzothiazole on a microcrystalline copper surface, (2016) *Revista de Metalurgia*, 52 (1), (2016), art. no. e064.,
- 2016-160)** Shaban, A., Vastag, G., Pilbáth, A., Kék, I., Nyikos, L. Electrochemical study of copper corrosion inhibition in acidic environment by 5-(4'-isopropylbenzylidene)-2,4-dioxotetrahydro-1,3-thiazole, *Journal of Materials and Environmental Science*, 7 (7), (2016), pp. 2572-2582.
- 2016-161)** Bi, H., Burstein, G.T., Rodriguez, B.B., Kawaley, G. Some aspects of the role of inhibitors in the corrosion of copper in tap water as observed by cyclic voltammetry, *Corrosion Science*, 102, (2016), pp. 510-516.
- 2016-162)** Elyoussi, A., Bouzian, Y., Dafali, A., Elmsellem, H., Bouhfid, R., Mehdoui, R., Cherrak, K., Essassi, E.M., Zarrouk, A., Hammouti, B. Evaluation of 2-thioxo-1,2-dihydroquinoline-4-carboxylic acid as corrosion inhibitor for carbon steel in 1M HCl, *Der Pharmacia Lettre*, 8 (4), (2016), pp. 255-264.
- 2016-163)** Gonzalez-Rodriguez, J.G., Porcayo-Calderon, J., Vazquez-Velez, E., Martinez de la Escalera, L.M., Canto, J., Martinez, L. Use of a palm oil-based imidazoline as corrosion inhibitor for copper in 3.5% NaCl solution, *International Journal of Electrochemical Science*, 11 (10), (2016), pp. 8132-8144.
- 2016-164)** Sing, N., Roy, S., Guin, P.S., Mahali, K., Majee, P., Mondal, S.K., Mahata, P., Sengupta, P.S., Mondal, P. A Co(II) complex of a vitamer of Vitamin B₆ acts as a sensor for Hg²⁺ and pH in aqueous media, *New Journal of Chemistry*, 40 (7), (2016), pp. 6396-6404.
- 2016-165)** Vastag, G., Nakomčić, J., Shaban, A. Thermodynamic properties of 5-(4'-isopropylbenzylidene)-2,4-dioxotetrahydro-1,3-thiazole as a Corrosion Inhibitor for copper in acid solution, *International Journal of Electrochemical Science*, 11 (10), (2016), pp. 8229-8244.
- 2016-166)** Bousskri, A., Anejjar, A., Salghi, R., Jodeh, S., Touzani, R., Bazzi, L., Lgaz, H. Corrosion control of carbon steel in hydrochloric acid by new eco-friendly picolinium-based ionic liquids derivative: Electrochemical and synergistic studies, *Journal of Materials and Environmental Science*, 7 (11), (2016), pp. 4269-4289.

53. Avramovic Z., Antonijevic M. Corrosion of cold-deformed brass in acid sulphate solution, Corrosion Science, (11)(2004), pp.2793-2802.

- 2016-167)** Hao, X., Dong, J., Etim, I.-I.N., Wei, J., Ke, W. Sustained effect of remaining cementite on the 2016-166) corrosion behavior of ferrite-pearlite steel under the simulated bottom plate environment of cargo oil tank, *Corrosion Science*, 110, (2016), pp. 296-304.

54. Antonijevic M.M., Jankovic Z.D., Dimitrijevic M.D. Kinetics of chalcopyrite dissolution by hydrogen peroxide in sulphuric acid, Hydrometallurgy, (3-4) (2004), pp.329-334.

- 2016-168)** Yin, X., Wu, Y., Tian, X., Yu, J., Zhang, Y.-N., Zuo, T. Green Recovery of Rare Earths from Waste Cathode Ray Tube Phosphors: Oxidative Leaching and Kinetic Aspects (2016) ACS Sustainable Chemistry and Engineering, 4 (12), pp. 7080-7089.
- 2016-169)** Ou, Z.J., Li, J. The geochemically-analogous process of metal recovery from second-hand resources via mechanochemistry: An atom-economic case study and its implications (2016) *Waste Management*, 57, pp. 57-63.

- 2016-170)** Li, Y., Wei, Z., Qian, G., Li, J., Gerson, A.R. Kinetics and mechanisms of chalcopyrite dissolution at controlled Redox potential of 750 mV in sulfuric acid solution (2016) Minerals, 6 (3), art. no. 83, .
- 2016-171)** Hsiang, H.-I., Chiang, C.-Y., Hsu, W.-H., Chen, W.-S., Chang, J.-E. Leaching and re-synthesis of CIGS nanocrystallites from spent CIGS targets (2016) Advanced Powder Technology, 27 (3), pp. 914-920.
- 2016-172)** Mohammadabad, F.K., Hejazi, S., khaki, J.V., Babakhani, A. Mechanochemical leaching of chalcopyrite concentrate by sulfuric acid (2016) International Journal of Minerals, Metallurgy and Materials, 23 (4), pp. 380-388.
- 2016-173)** Veloso, T.C., Peixoto, J.J.M., Pereira, M.S., Leao, V.A. Kinetics of chalcopyrite leaching in either ferric sulphate or cupric sulphate media in the presence of NaCl (2016) International Journal of Mineral Processing, 148, pp. 147-154.
- 2016-174)** Erust, C., Akcil, A. Copper and cobalt recovery from pyrite ashes of a sulphuric acid plant (2016) Waste Management and Research, 34 (6), pp. 527-533.

55. Gupta V.K., Chauhan D.K., Saini V.K., Agarwal S., Antonijevic M.M., Lang H. A porphyrin based potentiometric sensor for Zn²⁺ determination, Sensors, (7) (2003), pp.223-235.

- 2016-175)** Rimal Isaac, R.S., Praseetha, P.K. Zinc(II) ion selective electrodes (2016) International Journal of Pharmaceutical Sciences Review and Research, 38 (1), art. no. 08, pp. 41-50.

56. Antonijevic M.M., Mihajlovic R.P., Vukanovic B.V. Natural monocystalline pyrite as sensor for potentiometric redox titrations. Part I. Titrations with permanganate, Sensors, (4) (2002), pp.153-163.

- 2016-176)** Malamud, F., Santisteban, J.R. Full-pattern analysis of time-of-flight neutron transmission of mosaic crystals (2016) Journal of Applied Crystallography, 49, pp. 348-365.

57. Antonijevic M.M., Mihajlovic R.P., Vukanovic B.V. Natural pyrite as an electrochemical sensor for potentiometric titrations with EDTA, mercury(II) and silver(I), Journal of Solid State Electrochemistry, (1) (2001), pp.29-35.

- 2016-177)** Stanić, Z., Stepanović, J. Potentiometric determination of ascorbic acid in water-acetonitrile solution using pyrite and chalcopyrite electrodes (2016) Journal of Solid State Electrochemistry, 20 (10), pp. 2879-2893.

58. Milic S., Colovic N., Antonijevic M., Gaal F. A thermoanalytical study of the solid state reactions in the K₂CO₃-MxOy systems - Evidence for a kinetic compensation effect 2000, Journal of Thermal Analysis and Calorimetry, (1) (2000), pp. 229-238.

- 2016-178)** Liu, W., Shen, L., Gu, H., Wu, L. Chemical Looping Hydrogen Generation Using Potassium-Modified Iron Ore as an Oxygen Carrier (2016) Energy and Fuels, 30 (3), pp. 1756-1763.

59. Dimitrijevic M., Antonijevic M.M., Dimitrijevic V. Investigation of the kinetics of pyrite oxidation by hydrogen peroxide in hydrochloric acid solutions, Minerals Engineering, (2) (1999), pp.165-174.

- 2016-179)** Czerewko, M.A., Longworth, I., Reid, J.M., Cripps, J.C. Standardized terminology and test methods for sulphur mineral phases for the assessment of construction materials and aggressive ground (2016) Quarterly Journal of Engineering Geology and Hydrogeology, 49 (3), pp. 245-265.

- 2016-180)** Kocaman, A.T., Cemek, M., Edwards, K.J. Kinetics of pyrite, pyrrhotite, and chalcopyrite dissolution by Acidithiobacillus ferrooxidans (2016) Canadian Journal of Microbiology, 62 (8), pp. 629-642.

60. Antonijevic M.M., Dimitrijevic M., Jankovic Z. Leaching of pyrite with hydrogen peroxide in sulphuric acid, Hydrometallurgy, (1-2) (1997), pp.71-83.

- 2016-181)** Yin, X., Wu, Y., Tian, X., Yu, J., Zhang, Y.-N., Zuo, T. Green Recovery of Rare Earths from Waste Cathode Ray Tube Phosphors: Oxidative Leaching and Kinetic Aspects (2016) ACS Sustainable Chemistry and Engineering, 4 (12), pp. 7080-7089.

- 2016-182)** Ou, Z.J., Li, J. The geochemically-analogous process of metal recovery from second-hand resources via mechanochemistry: An atom-economic case study and its implications (2016) Waste Management, 57, pp. 57-63.

- 2016-183)** Kim, S.-K., Lee, J.-C., Yoo, K. Leaching of tin from waste Pb-free solder in hydrochloric acid solution with stannic chloride (2016) *Hydrometallurgy*, 165, pp. 143-147.
- 2016-184)** Randhawa, N.S., Gharami, K., Kumar, M. Leaching kinetics of spent nickel–cadmium battery in sulphuric acid (2016) *Hydrometallurgy*, 165, pp. 191-198.
- 2016-185)** Hsiang, H.-I., Chiang, C.-Y., Hsu, W.-H., Chen, W.-S., Chang, J.-E. Leaching and re-synthesis of CIGS nanocrystallites from spent CIGS targets (2016) *Advanced Powder Technology*, 27 (3), pp. 914-920.
- 2016-187)** Kocaman, A.T., Cemek, M., Edwards, K.J. Kinetics of pyrite, pyrrhotite, and chalcopyrite dissolution by Acidithiobacillus ferrooxidans (2016) *Canadian Journal of Microbiology*, 62 (8), pp. 629-642.
- 2016-188)** Birloaga, I., Vegliò, F. Study of multi-step hydrometallurgical methods to extract the valuable content of gold, silver and copper from waste printed circuit boards (2016) *Journal of Environmental Chemical Engineering*, 4 (1), pp. 20-29.
- 2016-189)** Erust, C., Akcil, A. Copper and cobalt recovery from pyrite ashes of a sulphuric acid plant (2016) *Waste Management and Research*, 34 (6), pp. 527-533.

61.Dimitrijevic M., Antonijevic M.M., Jankovic Z. Kinetics of pyrite dissolution by hydrogen peroxide in perchloric acid, Hydrometallurgy, (3) (1996), pp.377-386.

- 2016-190)** Yin, X., Wu, Y., Tian, X., Yu, J., Zhang, Y.-N., Zuo, T. Green Recovery of Rare Earths from Waste Cathode Ray Tube Phosphors: Oxidative Leaching and Kinetic Aspects (2016) *ACS Sustainable Chemistry and Engineering*, 4 (12), pp. 7080-7089.
- 2016-191)** Mu, Y., Peng, Y., Lauten, R.A. The depression of copper-activated pyrite in flotation by biopolymers with different compositions (2016) *Minerals Engineering*, 96-97, pp. 113-122.
- 2016-192)** Mu, Y., Peng, Y., Lauten, R.A. The depression of pyrite in selective flotation by different reagent systems – A Literature review (2016) *Minerals Engineering*, 96-97, pp. 143-156.
- 2016-193)** Kocaman, A.T., Cemek, M., Edwards, K.J. Kinetics of pyrite, pyrrhotite, and chalcopyrite dissolution by Acidithiobacillus ferrooxidans (2016) *Canadian Journal of Microbiology*, 62 (8), pp. 629-642.

62.Antonijevic M.M., Jankovic Z., Dimitrijevic M. Investigation of the kinetics of chalcopyrite oxidation by potassium dichromate 1994, Hydrometallurgy, (2) pp.187-201.

- 2016-194)** Li, Y., Wei, Z., Qian, G., Li, J., Gerson, A.R. Kinetics and mechanisms of chalcopyrite dissolution at controlled Redox potential of 750 mV in sulfuric acid solution (2016) *Minerals*, 6 (3), art. no. 83, .

63. Antonijevic M.M., Pacovic N.V. Investigation of molybdenite oxidation by sodium dichromate, Minerals Engineering, (2) (1992), pp.223-233.

- 2016-195)** GAN, M., FAN, X.-H., CHEN, X.-L., WU, C.-Q., JI, Z.-Y., WANG, S.-R., WANG, G.-J., QIU, G.-Z., JIANG, T. Reaction mechanisms of low-grade molybdenum concentrate during calcification roasting process (2016) *Transactions of Nonferrous Metals Society of China* (English Edition), 26 (11), pp. 3015-3023.
- 2016-196)** Wejman-Gibas, K., Wieszczycka, K., Wojciechowska, A., Ochromowicz, K., Pohl, P. Extraction of molybdenum(VI) from sulfate media by 3-pyridineketoxime and its quaternary salts (2016) *Separation and Purification Technology*, 158, pp. 71-79.
- 2016-197)** Liu, Z., Li, Y., Chen, M., Nueraihemaiti, A., Du, J., Fan, X., Tao, C.-Y. Enhanced leaching of vanadium slag in acidic solution by electro-oxidation (2016) *Hydrometallurgy*, 159, pp. 1-5.

64.Serbula S., Stankovic V., Zivkovic D., Kamberovic Z., Gorgievski M., Kalinovic T. Characteristics of Wastewater Streams Within the Bor Copper Mine and Their Influence on Pollution of the Timok River, Serbia, Mine Water and the Environment, (4) (2016), pp.480-485.

- 2016-198)** Li, X., Zhou, S., Fan, W. Effect of nano-Al₂O₃ on the toxicity and oxidative stress of copper towards *Scenedesmus obliquus* (2016) *International Journal of Environmental Research and Public Health*, 13 (6), art. no. 575, .

65.Kalinovic T.S., Serbula S.M., Radojevic A.A., Kalinovic J.V., Steharnik M.M., Petrovic J.V. Elder, linden and pine biomonitoring ability of pollution emitted from the copper smelter and the tailings ponds, Geoderma, (2016), pp.266-275.

2016-199) Holt, E., Kočan, A., Klánová, J., Assefa, A., Wiberg, K. Polychlorinated dibenzo-p-dioxins/furans (PCDD/Fs) and metals in scots pine (*Pinus sylvestris*) needles from Eastern and Northern Europe: Spatiotemporal patterns, and potential sources (2016) Chemosphere, 156, pp. 30-36.

66. Serbula S.M., Ilic A.A., Kalinovic J.V., Kalinovic T.S., Petrovic N.B. Assessment of air pollution originating from copper smelter in Bor (Serbia), Environmental Earth Sciences, (4) (2014), pp.1651-1661.

2016-200) Randelović, D., Gajić, G., Mutić, J., Pavlović, P., Mihailović, N., Jovanović, S. Ecological potential of *Epilobium dodonaei* Vill. for restoration of metalliferous mine wastes (2016) Ecological Engineering, 95, pp. 800-810.

2016-201) Li, K., Liang, T., Wang, L. Risk assessment of atmospheric heavy metals exposure in Baotou, a typical industrial city in northern China (2016) Environmental Geochemistry and Health, 38 (3), pp. 843-853.

67. Serbula S.M., Ilic A.A., Kalinovic J.V., Kalinovic T.S., Petrovic N.B. Assessment of air pollution originating from copper smelter in Bor (Serbia), Environmental Earth Sciences, (4) (2014), pp.1651-1661.

2016-202) Randelović, D., Gajić, G., Mutić, J., Pavlović, P., Mihailović, N., Jovanović, S. Ecological potential of *Epilobium dodonaei* Vill. for restoration of metalliferous mine wastes (2016) Ecological Engineering, 95, pp. 800-810.

2016-203) Li, K., Liang, T., Wang, L. Risk assessment of atmospheric heavy metals exposure in Baotou, a typical industrial city in northern China (2016) Environmental Geochemistry and Health, 38 (3), pp. 843-853.

68. Serbula S.M., Radojevic A.A., Kalinovic J.V., Kalinovic T.S. Indication of airborne pollution by birch and spruce in the vicinity of copper smelter, Environmental Science and Pollution Research, (19) (2014), pp.11510-11520.

2016-204) Bing, H., Wu, Y., Zhou, J., Sun, H. Biomonitoring trace metal contamination by seven sympatric alpine species in Eastern Tibetan Plateau (2016) Chemosphere, 165, pp. 388-398.

2016-205) Holt, E., Kočan, A., Klánová, J., Assefa, A., Wiberg, K. Polychlorinated dibenzo-p-dioxins/furans (PCDD/Fs) and metals in scots pine (*Pinus sylvestris*) needles from Eastern and Northern Europe: Spatiotemporal patterns, and potential sources (2016) Chemosphere, 156, pp. 30-36.

2016-206) Gillooly, S.E., Shmool, J.L.C., Michanowicz, D.R., Bain, D.J., Cambal, L.K., Shields, K.N., Clougherty, J.E. Framework for using deciduous tree leaves as biomonitor for intraurban particulate air pollution in exposure assessment (2016) Environmental Monitoring and Assessment, 188 (8), art. no. 479, .

2016-207) Perkins, W.T., Bird, G., Jacobs, S.R., Devoy, C. Field-scale study of the influence of differing remediation strategies on trace metal geochemistry in metal mine tailings from the Irish Midlands (2016) Environmental Science and Pollution Research, 23 (6), pp. 5592-5608.

69. Gorgievski M., Bozic D., Stankovic V., Strbac N., Serbula S. Kinetics, equilibrium and mechanism of Cu²⁺, Ni²⁺ and Zn²⁺ ions biosorption using wheat straw, Ecological Engineering, (2013), pp. 113-122.

2016-208) Zhang, H., Cui, M., Jin, X.-H., Han, X., Zhang, J. Synthesis of [H<inf>22</inf>•Zr<inf>5</inf>•WO<inf>4</inf>•10 P<inf>2</inf>O<inf>7</inf>]n•26n H<inf>2</inf>O by response surface methodology to adsorb Ca(II) in manganiferous wastewater (2016) Water Science and Technology, 74 (8), pp. 1832-1844.

2016-209) Xu, P., Sun, C.-X., Ye, X.-Z., Xiao, W.-D., Zhang, Q., Wang, Q. The effect of biochar and crop straws on heavy metal bioavailability and plant accumulation in a Cd and Pb polluted soil (2016) Ecotoxicology and Environmental Safety, 132, pp. 94-100.

2016-210) Mittal, A., Ahmad, R., Hasan, I. Poly (methyl methacrylate)-grafted alginate/Fe<inf>3</inf>O<inf>4</inf> nanocomposite: synthesis and its application for the removal of heavy metal ions (2016) Desalination and Water Treatment, 57 (42), pp. 19820-19833.

2016-211) Suresh, C., Harinath, Y., Sreenu, B., Seshaiah, K., Reddy, A.V.R. Utilization of *Sapindus saponaria* (soap nut) bark powder for the removal of Cu(II) ions from aqueous environment (2016) Desalination and Water Treatment, 57 (34), pp. 16138-16149.

2016-212) Jain, C.K., Malik, D.S., Yadav, A.K. Applicability of plant based biosorbents in the removal of heavy metals: a review (2016) Environmental Processes, 3 (2), pp. 495-523.

- 2016-213)** Kostić, M., Mitrović, J., Radović, M., Dordević, M., Petović, M., Bojić, D., Bojić, A. Effects of power of ultrasound on removal of Cu(II) ions by xanthated *Lagenaria vulgaris* shell (2016) Ecological Engineering, 90, pp. 82-86.
- 2016-214)** Shi, B., Zuo, W., Zhang, J., Tong, H., Zhao, J. Removal of Lead(II) ions from aqueous solution using *Jatropha curcas* L. Seed Husk Ash as a biosorbent (2016) Journal of Environmental Quality, 45 (3), pp. 984-992.
- 2016-215)** Wang, X., Lü, S., Gao, C., Feng, C., Xu, X., Bai, X., Gao, N., Yang, J., Liu, M., Wu, L. Recovery of Ammonium and Phosphate from Wastewater by Wheat Straw-based Amphoteric Adsorbent and Reusing as a Multifunctional Slow-Release Compound Fertilizer (2016) ACS Sustainable Chemistry and Engineering, 4 (4), pp. 2068-2079.
- 2016-216)** Amirnia, S., Ray, M.B., Margaritis, A. Copper ion removal by Acer saccharum leaves in a regenerable continuous-flow column (2016) Chemical Engineering Journal, 287, pp. 755-764.
- 2016-217)** Blanes, P.S., Bordoni, M.E., González, J.C., García, S.I., Atria, A.M., Sala, L.F., Bellú, S.E. Application of soy hull biomass in removal of Cr(VI) from contaminated waters. Kinetic, thermodynamic and continuous sorption studies (2016) Journal of Environmental Chemical Engineering, 4 (1), pp. 516-526
- 2016-218)** Cheng, Q., Huang, Q., Khan, S., Liu, Y., Liao, Z., Li, G., Ok, Y.S. Adsorption of Cd by peanut husks and peanut husk biochar from aqueous solutions (2016) Ecological Engineering, 87, pp. 240-245.
- 2016-219)** Chen, C., Ma, X., Yang, F., Xia, Y., Xiao, W., Li, G., Ding, P. Adsorption of copper(II) onto chitosan alpha-ketoglutaric acid: Equilibrium isotherms, kinetic studies and optimization (2016) Journal of Computational and Theoretical Nanoscience, 13 (1), pp. 148-155.
- 2016-220)** Hlisnikovský, L., Mühlbachová, G., Kunzová, E., Hejcmán, M., Pechová, M. Changes of risky element concentrations under organic and mineral fertilization (2016) Plant, Soil and Environment, 62 (8), pp. 355-360.
- 2016-221)** Guo, Y., Zhu, W., Li, G., Wang, X., Zhu, L. Effect of Alkali Treatment of Wheat Straw on Adsorption of Cu(II) under Acidic Condition (2016) Journal of Chemistry, 2016, art. no. 6326372, .

70.Bozic D., Gorgievski M., Stankovic V., Strbac N., Šerbula S., Petrovic N. Adsorption of heavy metal ions by beech sawdust - Kinetics, mechanism and equilibrium of the process, Ecological Engineering, (2013), pp 202-206.

- 2016-222)** Dubey, S., Upadhyay, S.N., Sharma, Y.C. Optimization of removal of Cr by γ -alumina nano-adsorbent using response surface methodology (2016) Ecological Engineering, 97, pp. 272-283.
- 2016-223)** Sahmoune, M.N., Yeddou, A.R. Potential of sawdust materials for the removal of dyes and heavy metals: examination of isotherms and kinetics (2016) Desalination and Water Treatment, 57 (50), pp. 24019-24034.
- 2016-224)** Moosavian, M.A., Moaizezi, N. Removal of cadmium and zinc ions from industrial wastewater using nanocomposites of PANI/ZnO and PANI/CoHCF: a comparative study (2016) Desalination and Water Treatment, 57 (44), pp. 20817-20836.
- 2016-225)** Mohammed, A., Al-Tahmazi, T., Babatunde, A.O. Attenuation of metal contamination in landfill leachate by dewatered waterworks sludges (2016) Ecological Engineering, 94, pp. 656-667.
- 2016-226)** Wang, X., Zhang, G., Deng, S., Zheng, T., Wang, P. Adsorption performance for Cu²⁺ ion in water by modified polyacrylonitrile fiber prepared with microwave irradiation (2016) Chinese Journal of Environmental Engineering, 10 (7), pp. 3503-3509.
- 2016-227)** Uzunoğlu, D., Özer, A. Adsorption of Acid Blue 121 dye on fish (*Dicentrarchus labrax*) scales, the extracted from fish scales and commercial hydroxyapatite: equilibrium, kinetic, thermodynamic, and characterization studies (2016) Desalination and Water Treatment, 57 (30), pp. 14109-14131.
- 2016-228)** Xiong, S., Qiu, M., Wu, W., Tang, M., Song, J. Adsorption of cadmium (Cd²⁺) ions from aqueous solutions on the modified montmorillonite (2016) Nature Environment and Pollution Technology, 15 (2), pp. 503-508.
- 2016-229)** Tekin, K., Akalin, M.K., Uzun, L., Karagöz, S., Bektaş, S., Denizli, A. Adsorption of Pb(II) and Cd(II) Ions Onto Dye-Attached Sawdust (2016) Clean - Soil, Air, Water, 44 (4), pp. 339-344.
- 2016-230)** Xin, G., Xia, Y., Lv, Y., Liu, L., Yu, B. Investigation of mesoporous graphitic carbon nitride as the adsorbent to remove Ni (II) ions (2016) Water Environment Research, 88 (4), pp. 318-324.
- 2016-231)** Zhou, W.-X., Hu, T.-P., Gao, J.-F., Chen, X., Ping, W.-G., Wei, C.-C., An, F. Synthesis of high-performance nitrogen-containing porous carbon and adsorption properties towards metal ions (2016) Desalination and Water Treatment, 57 (10), pp. 4494-4501.

2016-232) Wu, Y., Fan, Y., Zhang, M., Ming, Z., Yang, S., Arkin, A., Fang, P. Functionalized agricultural biomass as a low-cost adsorbent: Utilization of rice straw incorporated with amine groups for the adsorption of Cr(VI) and Ni(II) from single and binary systems (2016) Biochemical Engineering Journal, 105, pp. 27-35.

2016-233) Beigzadeh, P., Moeinpour, F. Fast and efficient removal of silver (I) from aqueous solutions using aloe vera shell ash supported $i < inf>0.5 </inf> Zn < inf>0.5 </inf> Fe < inf>2 </inf> O < inf>4 </inf>$ magnetic nanoparticles (2016) Transactions of Nonferrous Metals Society of China (English Edition), 26 (8), pp. 2238-2246.

71. Šerbula S.M., Kalinovic T.S., Ilic A.A., Kalinovic J.V., Steharnik M.M. Assessment of airborne heavy metal pollution using Pinus spp. and Tilia spp, Aerosol and Air Quality Research, (2) (2013), pp.563-573.

2016-234) Bing, H., Wu, Y., Zhou, J., Sun, H. Biomonitoring trace metal contamination by seven sympatric alpine species in Eastern Tibetan Plateau (2016) Chemosphere, 165, pp. 388-398.

2016-235) Gillooly, S.E., Shmool, J.L.C., Michanowicz, D.R., Bain, D.J., Cambal, L.K., Shields, K.N., Clougherty, J.E. Framework for using deciduous tree leaves as biomonitor for intraurban particulate air pollution in exposure assessment (2016) Environmental Monitoring and Assessment, 188 (8), art. no. 479, .

2016-236) Miri, M., Allahabadi, A., Ghaffari, H.R., Fathabadi, Z.A., Raisi, Z., Rezai, M., Aval, M.Y. Ecological risk assessment of heavy metal (HM) pollution in the ambient air using a new bio-indicator (2016) Environmental Science and Pollution Research, 23 (14), pp. 14210-14220.

2016-237) Kandziora-Ciupa, M., Ciepał, R., Nadgórska-Socha, A., Barczyk, G. Accumulation of heavy metals and antioxidant responses in *Pinus sylvestris* L. needles in polluted and non-polluted sites (2016) Ecotoxicology, 25 (5), pp. 970-981.

2016-238) Matin, G., Kargar, N., Buyukisik, H.B. Bio-monitoring of cadmium, lead, arsenic and mercury in industrial districts of Izmir, Turkey by using honey bees, propolis and pine tree leaves (2016) Ecological Engineering, 90, pp. 331-335.

2016-239) Chrzan, A. Monitoring bioconcentration of potentially toxic trace elements in soils trophic chains (2016) Environmental Earth Sciences, 75 (9), art. no. 786, .

2016-240) Nujkić, M.M., Dimitrijević, M.M., Alagić, S.Č., Tošić, S.B., Petrović, J.V. Impact of metallurgical activities on the content of trace elements in the spatial soil and plant parts of *Rubus fruticosus* L. (2016) Environmental Sciences: Processes and Impacts, 18 (3), pp. 350-360.

2016-241) Gajbhiye, T., Kim, K.-H., Pandey, S.K., Brown, R.J.C. Foliar transfer of dust and heavy metals on roadside plants in a subtropical environment (2016) Asian Journal of Atmospheric Environment, 10 (3), pp. 137-145.

2016-242) Filimon, M.N., Popescu, R., Horhat, F.G., Voia, O.S. Environmental impact of mining activity in Bor area as indicated by the distribution of heavy metals and bacterial population dynamics in sediment (2016) Knowledge and Management of Aquatic Ecosystems, 2016-January (417), .

72. Šerbula S.M., Miljkovic D.D., Kovacevic R.M., Ilic A.A. Assessment of airborne heavy metal pollution using plant parts and topsoil, Ecotoxicology and Environmental Safety, (1) (2012), pp.209-214.

2016-243) Simon, E., Harangi, S., Baranyai, E., Fábián, I., Tóthmérész, B. Influence of past industry and urbanization on elemental concentrations in deposited dust and tree leaf tissue (2016) Urban Forestry and Urban Greening, 20, pp. 12-19.

2016-244) Bing, H., Wu, Y., Zhou, J., Sun, H. Biomonitoring trace metal contamination by seven sympatric alpine species in Eastern Tibetan Plateau (2016) Chemosphere, 165, pp. 388-398.

2016-245) Gillooly, S.E., Shmool, J.L.C., Michanowicz, D.R., Bain, D.J., Cambal, L.K., Shields, K.N., Clougherty, J.E. Framework for using deciduous tree leaves as biomonitor for intraurban particulate air pollution in exposure assessment (2016) Environmental Monitoring and Assessment, 188 (8), art. no. 479, .

2016-246) Timofeev, I.V., Kasimov, N.S., Kosheleva, N.E. Soil cover geochemistry of mining landscapes in the South-East of Transbaikalia (City of Zakamensk) (2016) Geography and Natural Resources, 37 (3), pp. 200-211.

2016-247) Zhang, W., You, M., Hu, Y. The distribution and accumulation characteristics of heavy metals in soil and plant from Huainan coalfield, China (2016) Environmental Progress and Sustainable Energy, 35 (4), pp. 1098-1104

- 2016-248)** Miri, M., Allahabadi, A., Ghaffari, H.R., Fathabadi, Z.A., Raisi, Z., Rezai, M., Aval, M.Y. Ecological risk assessment of heavy metal (HM) pollution in the ambient air using a new bio-indicator (2016) Environmental Science and Pollution Research, 23 (14), pp. 14210-14220.
- 2016-249)** Nadgórska-Socha, A., Kandziora-Ciupa, M., Ciepał, R., Barczyk, G. *Robinia pseudoacacia* and *Melandrium album* in trace elements biomonitoring and air pollution tolerance index study (2016) International Journal of Environmental Science and Technology, 13 (7), pp. 1741-1752.
- 2016-250)** Steindor, K.A., Franiel, I.J., Bierza, W.M., Pawlak, B., Palowski, B.F. Assessment of heavy metal pollution in surface soils and plant material in the post-industrial city of Katowice, Poland (2016) Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 51 (5), pp. 371-379.
- 2016-251)** Timofeev, I.V., Kosheleva, N.E., Kasimov, N.S., Gunin, P.D., Sandag, E.-A. Geochemical transformation of soil cover in copper–molybdenum mining areas (Erdenet, Mongolia) (2016) Journal of Soils and Sediments, 16 (4), pp. 1225-1237.
- 2016-252)** Gucwa-Przepióra, E., Nadgórska-Socha, A., Fojcik, B., Chmura, D. Enzymatic activities and arbuscular mycorrhizal colonization of *Plantago lanceolata* and *Plantago major* in a soil root zone under heavy metal stress (2016) Environmental Science and Pollution Research, 23 (5), pp. 4742-4755.
- 2016-253)** Campos, C.F., De Campos, E.O., Souto, H.N., Sousa, E.D.F., Pereira, B.B. Biomonitoring of the environmental genotoxic potential of emissions from a complex of ceramic industries in Monte Carmelo, Minas Gerais, Brazil, using *Tradescantia pallida* (2016) Journal of Toxicology and Environmental Health - Part A: Current Issues, 79 (3), pp. 123-128
- 2016-254)** Dimitrijević, M.D., Nujkić, M.M., Alagić, S.Č., Milić, S.M., Tošić, S.B. Heavy metal contamination of topsoil and parts of peach-tree growing at different distances from a smelting complex (2016) International Journal of Environmental Science and Technology, 13 (2), pp. 615-630.
- 2016-255)** Gajbhiye, T., Pandey, S.K., Kim, K.-H. Factors controlling the deposition of airborne metals on plant leaves in a subtropical industrial environment (2016) Asian Journal of Atmospheric Environment, 10 (3), pp. 162-167.
- 2016-256)** Chen, B., Stein, A.F., Castell, N., Gonzalez-Castanedo, Y., Sanchez de la Campa, A.M., de la Rosa, J.D. Modeling and evaluation of urban pollution events of atmospheric heavy metals from a large Cu-smelter (2016) Science of the Total Environment, 539, pp. 17-25.
- 2016-257)** Filimon, M.N., Popescu, R., Horhat, F.G., Voia, O.S. Environmental impact of mining activity in Bor area as indicated by the distribution of heavy metals and bacterial population dynamics in sediment (2016) Knowledge and Management of Aquatic Ecosystems, 2016-January (417), .
- 2016-258)** Palowski, B., Małkowska, E., Kurtyka, R., Szymanowska-Pułka, J., Gucwa-Przepióra, E., Małkowski, Ł., Woźnica, A., Małkowski, E. Bioaccumulation of heavy metals in selected organs of black locust (*Robinia pseudoacacia*) and their potential use as air contamination bioindicators (2016) Polish Journal of Environmental Studies, 25 (5), pp. 2085-2096.
- 2016-259)** Suvarapu, L.N., Baek, S.-O. Determination of heavy metals in the ambient atmosphere: A review (2016) Toxicology and Industrial Health, 33 (1), pp. 79-96.

73. Dimitrijevic M.D., Nujkic M.M., Alagic S.C., Milic S.M., Tasic S.B. Heavy metal contamination of topsoil and parts of peach-tree growing at different distances from a smelting complex, International Journal of Environmental Science and Technology, (2)(2016) pp.615-630.

- 2016-260)** Matić, D., Vlahović, M., Kolarević, S., Perić Mataruga, V., Ilijin, L., Mrdaković, M., Vuković Gačić, B. Genotoxic effects of cadmium and influence on fitness components of *Lymantria dispar* caterpillars (2016) Environmental Pollution, 218, pp. 1270-1277.

74. Alagic S.C., Maluckov B.S., Radojicic V.B. How can plants manage polycyclic aromatic hydrocarbons? May these effects represent a useful tool for an effective soil remediation? A review, Clean Technologies and Environmental Policy, (3) (2015), pp.597-614.

- 2016-261)** Alagić, S.Č., Jovanović, V.P.S., Mitić, V.D., Cvetković, J.S., Petrović, G.M., Stojanović, G.S. Bioaccumulation of HMW PAHs in the roots of wild blackberry from the Bor region (Serbia): Phytoremediation and biomonitoring aspects (2016) Science of the Total Environment, 562, pp. 561-570.
- 2016-262)** Li, W., Wang, D., Hu, F., Li, H., Ma, L., Xu, L. Exogenous IAA treatment enhances phytoremediation of soil contaminated with phenanthrene by promoting soil enzyme activity and increasing microbial biomass (2016) Environmental Science and Pollution Research, 23 (11), pp. 10656-10664.

75. Maluckov B.S., Tasic V., Alagic S., Mladenovic S., Pejkovic J.T., Radovic M.K., Maluckov C.A. Measurement of extremely low frequent magnetic induction in residential buildings, International Journal of Environmental Research, (3) (2015), pp.583-590.

2016-263) Restrepo, A.F., Tobar, V.E., Camargo, R.J., Franco, E., Pinedo, C.R., Gutierrez, O. Effects of extremely low frequency electromagnetic fields on in-vitro cellular cultures HeLa and CHO (2016) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, 2016-October, art. no. 7591651, pp. 4193-4196.

76. Alagic S.C., Šerbula S.S., Toic S.B., Pavlovic A.N., Petrovic J.V. Bioaccumulation of arsenic and cadmium in birch and lime from the Bor region, Archives of Environmental Contamination and Toxicology, (4) (2013), pp.671-682.

2016-264) Gworek, B., Dmuchowski, W., Koda, E., Marecka, M., Baczevska, A.H., Bragoszewska, P., Sieczka, A., Osiński, P. Impact of the municipal solid waste lubna landfill on environmental pollution by heavy metals (2016) Water (Switzerland), 8 (10), art. no. 470, .

2016-265) Kosiorek, M., Modrzenska, B., Wyszkowski, M. Levels of selected trace elements in Scots pine (*Pinus sylvestris L.*), silver birch (*Betula pendula L.*), and Norway maple (*Acer platanoides L.*) in an urbanized environment (2016) Environmental Monitoring and Assessment, 188 (10), art. no. 598, .

2016-266) Gillooly, S.E., Shmool, J.L.C., Michanowicz, D.R., Bain, D.J., Cambal, L.K., Shields, K.N., Clougherty, J.E. Framework for using deciduous tree leaves as biomonitor for intraurban particulate air pollution in exposure assessment (2016) Environmental Monitoring and Assessment, 188 (8), art. no. 479, .

77. Alagic S., Stancic I., Palic R., Stojanovic G., Lepojevic Z. Chemical composition of the supercritical CO₂ extracts of the yaka, prilep and otlja tobaccos, Journal of Essential Oil Research, (2) (2006) pp.185-188.

2016-267) El Shafay, S.M., Ali, S.S., El-Sheekh, M.M. Antimicrobial activity of some seaweeds species from Red sea, against multidrug resistant bacteria (2016) Egyptian Journal of Aquatic Research, 42 (1), pp. 65-74.

78. Palic R., Stojanovic G., Alagic S., Nikolic M., Lepojevic Z. Chemical composition and antimicrobial activity of the essential oil and CO₂ extracts of the oriental tobacco, Prilep, Flavour and Fragrance Journal, (5) (2002), pp.323-326.

2016-268) Xu, C., Zhao, S., Li, M., Dai, Y., Tan, L., Liu, Y. Chemical composition, antimicrobial and antioxidant activities of essential oil from flue-cured tobacco flower bud (2016) Biotechnology and Biotechnological Equipment, 30 (5), pp. 1026-1030.

2016-269) Qayyum, R., Qamar, H.M.-U., Khan, S., Salma, U., Khan, T., Shah, A.J. Mechanisms underlying the antihypertensive properties of *Urtica dioica* (2016) Journal of Translational Medicine, 14 (1), art. no. 254, .

79. Alagic S., Selekcija I.S., Palic R., Stojanovic G., Nikolic M. Chemical composition and antimicrobial activity of the essential oil of the oriental tobacco Yaka, Journal of Essential Oil Research, (3) (2002), pp.230-232.

2016-270) Gharibzahedi, S.M.T., Mohammadnabi, S. Characterizing the novel surfactant-stabilized nanoemulsions of stinging nettle essential oil: Thermal behaviour, storage stability, antimicrobial activity and bioaccessibility (2016) Journal of Molecular Liquids, 224, pp. 1332-1340.

2016-271) Xu, C., Zhao, S., Li, M., Dai, Y., Tan, L., Liu, Y. Chemical composition, antimicrobial and antioxidant activities of essential oil from flue-cured tobacco flower bud (2016) Biotechnology and Biotechnological Equipment, 30 (5), pp. 1026-1030.

80. Stojanovic G., Palic R., Alagic S., Zekovi Z. Chemical composition and antimicrobial activity of the essential oil and CO₂ extracts of semi-oriental tobacco, Otlja, Flavour and Fragrance Journal, (5) (2000), pp.335-338.

2016-272) Nedeltcheva-Antanova, D., Ivanova, D., Antonov, L., Abe, I. Insight into the aroma profile of Bulgarian tobacco absolute oil (2016) Industrial Crops and Products, 94, pp. 226-232.

2016-273) Xu, C., Zhao, S., Li, M., Dai, Y., Tan, L., Liu, Y. Chemical composition, antimicrobial and antioxidant activities of essential oil from flue-cured tobacco flower bud (2016) Biotechnology and Biotechnological Equipment, 30 (5), pp. 1026-1030.

81. Urosevic D.M., Dimitrijevic M.D., Jankovic Z.D., Antic D.V. Recovery of copper from copper slag and copper slag flotation tailings by oxidative leaching, Physicochemical Problems of Mineral Processing, (1) (2015), pp.73-82.

2016-274) Kaksonen, A.H., Särkijärvi, S., Puhakka, J.A., Peuraniemi, E., Junnikkala, S., Tuovinen, O.H. Chemical and bacterial leaching of metals from a smelter slag in acid solutions (2016) Hydrometallurgy, 159, pp. 46-53.

82. Dimitrijevic M., Kostov A., Tasic V., Milosevic N. Influence of pyrometallurgical copper production on the environment, Journal of Hazardous Materials, (2-3) (2009), pp.892-899.

2016-275) Randelović, D., Gajić, G., Mutić, J., Pavlović, P., Mihailović, N., Jovanović, S. Ecological potential of Epilobium dodonaei Vill. for restoration of metalliferous mine wastes (2016) Ecological Engineering, 95, pp. 800-810.

2016-276) Vakylabad, A.B., Schaffie, M., Naseri, A., Ranjbar, M., Manafi, Z. Optimization of staged bioleaching of low-grade chalcopyrite ore in the presence and absence of chloride in the irrigating lixiviant: ANFIS simulation (2016) Bioprocess and Biosystems Engineering, 39 (7), pp. 1081-1104.

2016-277) Chen, G.-B., Yang, H.-Y., Li, H.-J. In situ characterization of natural pyrite bioleaching using electrochemical noise technique (2016) International Journal of Minerals, Metallurgy and Materials, 23 (2), pp. 117-126.

83. Markovic I., Nestorovic S., Markovic D., Guskovic D. Properties improvement and microstructure changes during thermomechanical treatment in sintered Cu-Au alloy, Transactions of Nonferrous Metals Society of China (English Edition), (2) (2014), pp.431-440.

2016-278) Zhang, J.Y., Li, B.L., Zou, Z.J., Zou, T., Deng, W.J. Grain refinement and thermal stability of AISI1020 strips prepared by large strain extrusion machining (2016) Materials Science Forum, 836-837, pp. 509-521.

84. Markovic I., Nestorovic S., Markovic D. Effect of thermo-mechanical treatment on properties improvement and microstructure changes in copper-gold alloy, Materials and Design, (2014), pp. 137-144.

2016-279) Cardinal, S., Pelletier, J.M., Eisenbart, M., Klotz, U.E. Influence of crystallinity on thermo-process ability and mechanical properties in a Au-based bulk metallic glass (2016) Materials Science and Engineering A, 660, pp. 158-165.

2016-280) Generalova, K.N., Ryaposov, I.V., Shatsov, A.A. Ordering in gold-base alloys for low-level slide contacts (2016) Metal Science and Heat Treatment, 58 (1), pp. 120-124.

85. Nestorovic S., Markovic I., Markovic D. Influence of thermomechanical treatment on the hardening mechanisms and structural changes of a cast Cu-6.6 wt.%Ag alloy, Materials and Design, (3) (2010) pp.1644-1649.

2016-281) Gong, Y.L., Ren, S.Y., Zeng, S.D., Zhu, X.K. Unusual hardening behaviour in heavily cryo-rolled Cu-Al-Zn alloys during annealing treatment (2016) Materials Science and Engineering A, 659, pp. 165-171.

86. Nestorovic S., Markovic D., Markovic I. Influence of thermal cycling treatment on the anneal hardening effect of Cu-10Zn Alloy 2010, Journal of Alloys and Compounds, (2) (2010), pp.582-585.

2016-282) Chen, W., Wang, M., Li, Z., Dong, Q., Jia, Y., Xiao, Z., Zhang, R., Yu, H. A Novel Cu-10Zn-1.5Ni-0.34Si Alloy with Excellent Mechanical Property Through Precipitation Hardening (2016) Journal of Materials Engineering and Performance, 25 (11), pp. 4624-4630.

87. Nestorovic S., Milicevic B., Markovic D. Anneal hardening effect in sintered copper alloys, Science of Sintering, (2) (2002), pp.169-174.

2016-283) Chen, W., Wang, M., Li, Z., Dong, Q., Jia, Y., Xiao, Z., Zhang, R., Yu, H. A Novel Cu-10Zn-1.5Ni-0.34Si Alloy with Excellent Mechanical Property Through Precipitation Hardening (2016) Journal of Materials Engineering and Performance, 25 (11), pp. 4624-4630.

88. Nestorovic S., Markovic D. Influence of alloying on the anneal hardening effect in sintered copper alloys, Materials Transactions, JIM, (3)(1999), pp.222-224.

- 2016-284)** Zhang, X.K., Yang, X.Y., Chen, W., Qin, J., Fouse, J.P. Effect of stacking fault energy on mechanical properties and annealing behavior of brasses (2016) Journal of Alloys and Compounds, 679, pp. 400-407.
- 2016-285)** Zhang, X.-K., Yang, X.-Y. Effect of silicon on mechanical properties and annealing behavior of ultrafine grained brasses (2016) Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals, 26 (2), pp. 317-327.
- 89. Peric R., Karastojkovic Z., Kovacevic Z., Janjusevic Z., Guskovic D. Tempering/Ageing in region 50-600 °C of Quenched and cold deformed 585 gold alloy for jewelry production, Metalurgija, (3)(2014),pp.346-348.**
- 2016-286)** Li, J., Acoff, V.L., Li, Z., Liu, Y. Tripling hardness of gold by micro alloying coupled with cold processing (2016) Journal of Alloys and Compounds, 661, pp. 466-470.
- 90. Pozega E., Ivanov S., Stevic Z., Karanovic L., Tomanec R., Gomidzelovic L., Kostov A. Identification and characterization of single crystal Bi₂Te_{3-x}Se_x alloy, Transactions of Nonferrous Metals Society of China (English Edition), (10) (2015), pp. 3279-3285.**
- 2016-287)** Adam, A.M., Lilov, E., Petkov, P. Effect of compositional dependence on physicochemical properties of Bi₂Se₃ doped system (2016) Materials Science in Semiconductor Processing, 52, pp. 1-7.
- 2016-288)** Chen, Z.-J., Li, J.-X., Zhou, B.-Y., Wen, C.-L. Thermoelectric properties of Mg₂Si thin films prepared by magnetron sputtering based on composite target (2016) Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals, 26 (6), pp. 1214-1221.
- 2016-289)** Ammer, K. Thermography 2015 - A computer-assisted literature survey (2016) Thermology International, 26 (1), pp. 5-42.
- 91. Manasijevic D., Minic D., Živkovic D., Vrest' al J., Aljilji A., Talijan N., Stajic-Trosic J., (...), Todorovic R. Experimental investigation and thermodynamic calculation of the Cu-In-Sb phase diagram, Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, (1) (2009), pp.221-226.**
- 2016-290)** Jackson, E.D., Mosby, J.M., Prieto, A.L. Evaluation of the Electrochemical Properties of Crystalline Copper Antimonide Thin Film Anodes for Lithium Ion Batteries Produced by Single Step Electrodeposition (2016) Electrochimica Acta, 214, pp. 253-264.
- 92. Markovic I., Nestorovic S., Markoli B., Premovic M., Mladenovic S. Study of anneal hardening in cold worked Cu-Au alloy, Journal of Alloys and Compounds, (2016), pp.414-421.**
- 2016-291)** Diánez, M.J., Donoso, E., Sayagués, M.J., Perejón, A., Sánchez-Jiménez, P.E., Pérez-Maqueda, L.A., Criado, J.M. The calorimetric analysis as a tool for studying the aging hardening mechanism of a Cu-10wt%Ni-5.5wt%Sn alloy (2016) Journal of Alloys and Compounds, 688, pp. 288-294.
- 93. Maluckov B.S., Tasic V., Alagic S., Mladenovic S., Pejkovic J.T., Radovic M.K., Maluckov C.A. Measurement of extremely low frequent magnetic induction in residential buildings, International Journal of Environmental Research, (3) (2014),pp.583-590.**
- 2016-292)** Restrepo, A.F., Tobar, V.E., Camargo, R.J., Franco, E., Pinedo, C.R., Gutierrez, O. Effects of extremely low frequency electromagnetic fields on in-vitro cellular cultures HeLa and CHO (2016) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, 2016-October, art. no. 7591651, pp. 4193-4196.
- 94. Stevic Z., Rajcic-Vujasinovic M., Radovanovic I. Comparative analysis of dynamic electrochemical test methods of supercapacitors, International Journal of Electrochemical Science, (12) (2014), pp.7110-7130.**
- 2016-293)** Jana, M., Kumar, J.S., Khanra, P., Samanta, P., Koo, H., Murmu, N.C., Kuila, T. Superior performance of asymmetric supercapacitor based on reduced graphene oxide-manganese carbonate as positive and sono-chemically reduced graphene oxide as negative electrode materials (2016) Journal of Power Sources, 303, pp. 222-233.
- 95. Dimitrijevic S., Rajcic-Vujasinovic M., Trujic V. Non-cyanide electrolytes for gold plating - a review, International Journal of Electrochemical Science, (5) (2013), pp. 6620-6646.**

- 2016-294)** Li, B., Li, N., Luo, G., Tian, D. Acceleration effect of Na₂S₂O₃ on the immersion gold plating on Ni-P surface from a sulfite based electrolyte (2016) Surface and Coatings Technology, 302, pp. 202-207.
- 2016-295)** Mironov, I.V., Kharlamova, V.Y. Properties of the gold(I) sulfite complex in acidic chloride solutions (2016) Russian Journal of Inorganic Chemistry, 61 (8), pp. 1047-1053.
- 2016-296)** Satizabal, L.M., Poloni, E., Bortolozo, A.D., Osório, W.R. Immersion corrosion of Sn-Ag and Sn-Bi alloys as successors to Sn-Pb alloy with electronic and jewelry applications (2016) Corrosion, 72 (8), pp. 1064-1080.
- 2016-297)** Han, S.-D., Rajput, N.N., Qu, X., Pan, B., He, M., Ferrandon, M.S., Liao, C., Persson, K.A., Burrell, A.K. Origin of Electrochemical, Structural, and Transport Properties in Nonaqueous Zinc Electrolytes (2016) ACS Applied Materials and Interfaces, 8 (5), pp. 3021-3031.
- 2016-298)** Saitou, M. Synthesis of anisotropic mesostructured gold electrodeposits (2016) International Journal of Electrochemical Science, 11 (8), pp. 6491-6500.
- 2016-299)** Mironov, I.V., Kharlamova, V.Y. Gold(I) complexes in sulfite-thiosulfate aqueous solutions (2016) Russian Journal of Inorganic Chemistry, 61 (1), pp. 123-128.
- 2016-300)** Luo, G., Yuan, G., Li, N. Cyanide-free electrolyte for Au(III) and Au(I) electrodepositing using DMH as complexing agent (2016) RSC Advances, 6 (66), pp. 61341-61345.

96. Stevic Z., Rajcic-Vujasinovic M. Chalcocite as a potential material for supercapacitors, Journal of Power Sources, (2 SPEC. ISS.)(2006), pp.1511-1517.

- 2016-301)** Deen, K.M., Asselin, E. Differentiation of the non-faradaic and pseudocapacitive electrochemical response of graphite felt/CuFeS₂ composite electrodes (2016) Electrochimica Acta, 212, pp. 979-991.
- 2016-302)** Bulakhe, R.N., Sahoo, S., Nguyen, T.T., Lokhande, C.D., Roh, C., Lee, Y.R., Shim, J.-J. Chemical synthesis of 3D copper sulfide with different morphologies for high performance supercapacitors application (2016) RSC Advances, 6 (18), pp. 14844-14851.
- 2016-303)** Radhakrishnan, S., Kim, H.-Y., Kim, B.-S. Expedited and eco-friendly fabrication of highly uniform microflower superstructures and their applications in highly durable methanol oxidation and high-performance supercapacitors (2016) Journal of Materials Chemistry A, 4 (31), pp. 12253-12262.
- 2016-304)** Wang, K., Zhao, C., Zhang, Z., Min, S., Qian, X. A facile one-step route to synthesize the three-layer nanostructure of CuS/RGO/Ni₃S₂ and its high electrochemical performance (2016) RSC Advances, 6 (21), pp. 16963-16971.

97. Savic M.V., Djordjevic P.B., Mihajlovic I.N., Živkovic Z.D. Statistical modeling of copper losses in the silicate slag of the sulfide concentrate smelting process Polish Journal of Chemical Technology (3)(2015), pp.62-69.

- 2016-305)** Simonetto, E., Quelhas, O., Brkić, V.S., Putnik, G., Alves, C., Castro, H. System dynamics model for evaluation of reuse of electronic waste originated from personal computers (2016) Serbian Journal of Management, 11 (2), pp. 193-209.

98. Savic M., Nikolic D., Mihajlovic I., Živkovic Ž., Bojanov B., Djordjevic P. Multi-criteria decision support system for optimal blending process in zinc production 2015, Mineral Processing and Extractive Metallurgy Review, (4)(2015) pp. 267-280.

- 2016-306)** Zavadskas, E.K., Baušys, R., Stanujkic, D., Magdalinovic-Kalinovic, M. Selection of lead-zinc flotation circuit design by applying WASPAS method with single-valued neutrosophic set (2016) Acta Montanistica Slovaca, 21 (2), pp. 85-92.

99. Živkovic Ž., Nikolic D., Djordjevic P., Mihajlovic I., Savic M. Analytical network process in the framework of swot analysis for strategic decision making (Case study: Technical faculty in Bor, University of Belgrade, Serbia), Acta Polytechnica Hungarica, (7) (2015) pp.199-216.

- 2016-307)** Dimić, S., Pamučar, D., Ljubojević, S., Dorović, B. Strategic transport management models-the case study of an oil industry (2016) Sustainability (Switzerland), 8 (9), art. no. 954, .

- 2016-308)** Jovanović, F., Milijić, N., Dimitrova, M., Mihajlović, I. Risk management impact assessment on the success of strategic investment projects: Benchmarking among different sector companies (2016) Acta Polytechnica Hungarica, 13 (5), pp. 221-241.

100. Nikolic D., Spasic J., Živkovic Ž., Djordjevic P., Mihajlovic I., Kangas J. SWOT - AHP model for prioritization of strategies of the resort Stara Planina, Serbian Journal of Management, (2) (2015), pp.141-150

2016-309) Kangas, J., Kajanus, M., Leskinen, P., Kurttila, M. Incorporating MCDS and voting into 1. Milijic N., Mihajlovic I., Nikolic D., Živkovic Z. Multicriteria analysis of safety climate measurements at workplaces in production industries in Serbia 2014, International Journal of Industrial Ergonomics, (4) (2014), pp. 510-519.

2016-310) Ganesh, J., Suresh, M. Safety practice level calculation in Indian manufacturing company using fuzzy logic approach (2016) 2015 IEEE International Conference on Computational Intelligence and Computing Research, ICCIC 2015, art. no. 7435777, .

2016-311) Vahed, A.M., Gambatese, J.A., Hendricks, M.T. Perceptions of the Influence of Personal Demographic Factors on the Safety Performance of Field Employees (2016) Construction Research Congress 2016: Old and New Construction Technologies Converge in Historic San Juan - Proceedings of the 2016 Construction Research Congress, CRC 2016, pp. 2936-2945.

101. Savic M., Mihajlovic I., Arsic M., Živkovic Ž. Adaptive-network-based fuzzy inference system (ANFIS) modelbased prediction of the surface ozone concentration, Journal of the Serbian Chemical Society, (10) (2014) pp.1323-1334.

2016-312) Oprea, M., Mihalache, S.F., Popescu, M. A comparative study of computational intelligence techniques applied to PM_{2.5} air pollution forecasting (2016) 2016 6th International Conference on Computers Communications and Control, ICCCC 2016, art. no. 7496746, pp. 103-108.

102. Mihajlovic I., Duric I., Živkovic Ž. ANFIS based prediction of the aluminum extraction from boehmite bauxite in the Bayer process, Polish Journal of Chemical Technology, (1) (2014), pp.103-109.

2016-313) Xie, Y., Wei, S., Wang, X., Xie, S., Yang, C. A new prediction model based on the leaching rate kinetics in the alumina digestion process (2016) Hydrometallurgy, 164, pp. 7-14.

103. Šestak J., Holba P., Živkovic Ž. Doubts on kissinger's method of kinetic evaluation based on several conceptual models showing the difference between the maximum of reaction rate and the extreme of a dta peak, Journal of Mining and Metallurgy, Section B: Metallurgy, (1) (2014), pp. 77-81.

2016-314) Pérez, A., Lopez-Olmedo, J.P., Farjas, J., Roura, P. Isoconversional analysis of copper recrystallization (2016) Journal of Thermal Analysis and Calorimetry, 125 (2), pp. 667-672.

2016-315) Gualtieri, A.F., Ricchi, A., Lassinantti Gualtieri, M., Maretti, S., Tamburini, M. Kinetic study of the drying process of clay bricks (2016) Journal of Thermal Analysis and Calorimetry, 123 (1), pp. 153-167.

104. Arsic M., Nikolic D., Živkovic Ž., Urosevic S., Mihajlovic I. The effect of TQM on employee loyalty in transition economy, Serbia, Total Quality Management and Business Excellence, (5-6) (2012), pp.719-729.

2016-316) Para-Gonzalez, L., Jimenez-Jimenez, D., Martinez-Lorente, A.R. Building human capital in the european foundation for quality management model of excellence (2016) International Journal of Human Resources Development and Management, 16 (3-4), pp. 219-237.

105. Radenko S., Lazic D., Miladin G., Jotanovic M., Živkovic Ž., Mihajlovic I. Modelling the process of Al(OH)₃ crystallization from industrial sodium aluminate solutions using artificial neural networks, Journal of the Serbian Chemical Society, (8)(2011) pp. 1163-1175.

2016-317) Jiao, L., Bing, S., Wang, X., Xia, D., Li, H. Predicting the Aqueous Solubility of PCDD/Fs by using QSPR Method Based on the Molecular Distance-Edge Vector Index (2016) Polycyclic Aromatic Compounds, 36 (4), pp. 527-543.

106. Nikolic D., Milosevic N., Živkovic Ž., Mihajlovic I., Kovacevic R., Petrovic N. Multi-criteria analysis of soil pollution by heavy metals in the vicinity of the Copper Smelting Plant in Bor (Serbia), Journal of the Serbian Chemical Society, (4) (2011) pp.625-641.

- 2016-318)** Matić, D., Vlahović, M., Kolarević, S., Perić Mataruga, V., Ilijin, L., Mrdaković, M., Vuković Gačić, B. Genotoxic effects of cadmium and influence on fitness components of Lymantria dispar caterpillars (2016) Environmental Pollution, 218, pp. 1270-1277.
- 107. Djuric I., Djordjevic P., Mihajlovic I., Nikolic D., Živkovic Ž. Prediction of Al₂O₃ leaching recovery in the Bayer process using statistical multilinear regresion analysis, Journal of Mining and Metallurgy, Section B: Metallurgy, (2) (2010) pp.161-169.**
- 2016-319)** Xie, Y., Wei, S., Wang, X., Xie, S., Yang, C. A new prediction model based on the leaching rate kinetics in the alumina digestion process (2016) Hydrometallurgy, 164, pp. 7-14.
- 108. Nikolic D., Milosevic N., Mihajlovic I., Živkovic Ž., Tasic V., Kovacevic R., Petrovic N. Multi-criteria analysis of air pollution with SO₂ and PM 10 in urban area around the copper smelter in Bor, Serbia, Water, Air, and Soil Pollution, (1-4) (2010), pp.369-383.**
- 2016-320)** Vujić, B., Srdjević, Z., Agarski, B., Simunović, K. Decision making framework for decreasing the redundancy of air quality monitoring stations in Vojvodina Province (Serbia) [Okvir za donošenje odluka o smanjenju suvišnih stanica za praćenje kvalitete zraka u pokrajini Vojvodina (Srbija)] (2016) Tehnicki Vjesnik, 23 (5), pp. 1423-1430.
- 2016-321)** Hacıoğlu, H.İ., Ari, A., Özkan, A., Elbir, T., Tuncel, G., Yay, O.D., Gaga, E.O. A new approach for site selection of air quality monitoring stations: Multi-criteria decision-making (2016) Aerosol and Air Quality Research, 16 (6), pp. 1390-1402.
- 2016-322)** Erenler, H.E., Orr, M.C., Gillman, M.P., Parkes, B.R.B., Rymer, H., Maes, J.-M. Persistent nesting by Anthophora Latreille, 1803 (Hymenoptera: Apidae) bees in ash adjacent to an active volcano (2016) Pan-Pacific Entomologist, 92 (2), pp. 67-78.
- 2016-323)** Deljanin, I., Antanasićević, D., Bjelajac, A., Urošević, M.A., Nikolić, M., Perić-Grujić, A., Ristić, M. Chemometrics in biomonitoring: Distribution and correlation of trace elements in tree leaves (2016) Science of the Total Environment, 545-546, pp. 361-371.
- 2016-324)** Filimon, M.N., Popescu, R., Horhat, F.G., Voia, O.S. Environmental impact of mining activity in Bor area as indicated by the distribution of heavy metals and bacterial population dynamics in sediment (2016) Knowledge and Management of Aquatic Ecosystems, 2016-January (417), .
- 109. Živkovic Ž., Mitevska N., Mihajlovic I., Nikolic D. The influence of the silicate slag composition on copper losses during smelting of the sulfide concentrates, Journal of Mining and Metallurgy, Section B: Metallurgy, (1) (2009), pp. 23-34.**
- 2016-325)** Addis, A., Angelini, I., Nimis, P., Artioli, G. Late Bronze Age Copper Smelting Slags from Luserna (Trentino, Italy): Interpretation of the Metallurgical Process (2016) Archaeometry, 58 (1), pp. 96-114.
- 2016-326)** Gaoa, S., Watanabea, H., Nakanea, K., Zhaob, K. Fabrication and characterization of superhydrophobic and superlipophilic silica nanofibers mats with excellent heat resistance (2016) Journal of Mining and Metallurgy, Section B: Metallurgy, 52 (1), pp. 87-92.
- 110. Nikolic D., Jovanovic I., Mihajlovic I., Živkovic Ž. Multi-criteria ranking of copper concentrates according to their quality - An element of environmental management in the vicinity of copper - Smelting complex in Bor, Serbia, Journal of Environmental Management, (2) (2009), pp. 509-515.**
- 2016-327)** Seddiki, M., Anouche, K., Bennadji, A., Boateng, P. A multi-criteria group decision-making method for the thermal renovation of masonry buildings: The case of Algeria (2016) Energy and Buildings, 129, pp. 471-483.
- 2016-328)** Brans, J.-P., De Smet, Y. PROMETHEE methods (2016) International Series in Operations Research and Management Science, 233, pp. 187-219.
- 2016-329)** Wątrowski, J., Jankowski, J. Guideline for MCDA method selection in production management area (2016) Intelligent Systems Reference Library, 98, pp. 119-138.
- 111. Živkovic Ž.D., Mitevska N., Savovic V. Kinetics and mechanism of the chalcopyrite - Pyrite concentrate oxidation process 1996, Thermochimica Acta, (SPEC. ISS.) (1996), pp.121-130.**
- 2016-330)** Li, G., Cheng, H., Xu, C., Lu, C., Lu, X., Zou, X., Xu, Q. Mineralogical analysis of nickel/copper polymetallic sulfide ore by X-ray diffraction using Rietveld method (2016) TMS Annual Meeting, (CONFCODENUMBER), pp. 67-74.

112. Živkovic Ž.D. Kinetics and mechanism of thermal decomposition of lead carbonate, Journal of Thermal Analysis, (1) (1979), pp. 3-11.

2016-331) Zhang, W., Yang, J., Zhu, X., Sun, X., Yu, W., Hu, Y., Yuan, X., Dong, J., Hu, J., Liang, S., Kumar, R.V. Structural study of a lead (II) organic complex - a key precursor in a green recovery route for spent lead-acid battery paste (2016) Journal of Chemical Technology and Biotechnology, 91 (3), pp. 672-679.

2016-332) Ma, C., Shu, Y., Chen, H. Preparation of high-purity lead oxide from spent lead paste by low temperature burning and hydrometallurgical processing with ammonium acetate solution (2016) RSC Advances, 6 (25), pp. 21148-21155.

113. Živkovic Ž.D., Pacovic N., Filipovic M. The effect of AlF₃ on the calcination of aluminium hydroxide 1979, Thermochimica Acta, (1-2) (1979), pp. 181-188.

2016-333) Riello, D., Zetterström, C., Parr, C., Braulio, M.A.L., Moreira, M., Gallo, J.B., Pandolfelli, V.C. AlF₃ reaction mechanism and its influence on α-Al₂O₃ mineralization (2016) Ceramics International, 42 (8), pp. 9804-9814.

114. Živkovic Ž.D. Phase transformations of aluminium hydroxide in the calcination process, Thermochimica Acta, (3) (1977), pp.391-398.

2016-334) Jung, B., Park, J., Seo, D., Park, N. Sustainable System for Raw-Metal Recovery from Crystalline Silicon Solar Panels: From Noble-Metal Extraction to Lead Removal (2016) ACS Sustainable Chemistry and Engineering, 4 (8), pp. 4079-4083.

2016-335) Medeiros, S.G., Dutra, R.P.S., Grilo, J.P.F., Martinelli, A.E., Paskocimas, C.A., Macedo, D.A. Preparation of low-cost alumina-mullite composites via reactive sintering between a kaolinite clay from Paraíba and aluminum hydroxide [Preparação de compósitos alumina-mulita de baixo custo via sinterização reativa entre uma argila caulinítica da Paraíba e hidróxido de alumínio] (2016) Ceramica, 62 (363), pp. 266-271.

115. Papic M., Vukovic M., Bikit I., Mrda D., Forkapic S., Bikit K., Nikolic Dj. Multi-criteria analysis of soil radioactivity in čačak Basin, Serbia Romanian Journal of Physics, 59 (7-8)(2014), pp. 846-861.

2016-336) Pintilie, V., Ene, A., Georgescu, L.P., Moraru, L., Iticescu, C. Measurements of gross alpha and beta activity in drinking water from Galati region, Romania (2016) Romanian Reports in Physics, 68 (3), pp. 1208-1220.

116. Dado J., Taborecka Petrovicova J., Riznic D., Rajić T. Linking service quality and satisfaction to behavioural intentions in higher education setting, Ekonomicky casopis, (6)(2013), pp. 578-596.

2016-337) Miklosik, A. Search-centric approach to sustainability of academic marketing (2016) Economic Annals-XXI, 156 (1-2), pp. 92-96.

117. Djoković J.M., Nikolic R.R., Tadic S.S. Influence of temperature on behavior of the interfacial crack between the two layers, Thermal Science, (SUPPL.1)(2010), S259-S268.

2016-338) Hasebe, N., Kato, S. Debonding fracture of bonded bimaterial semi-strips subjected to concentrated forces and couples (2016) ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik, 96 (6), pp. 758-772.

2016-339) Hasebe, N., Kato, S. Solution of a bonded bimaterial problem of two interfaces subjected to different temperatures (2016) Archive of Applied Mechanics, 86 (3), pp. 445-464.

118. Djolović I., Malkowsky E. Matrix transformations and compact operators on some new mth-order difference sequences, Applied Mathematics and Computation, (2) (2008), pp.700-714.

2016-340) Abyar, E., Ghaemi, M.B. Hausdorff measure of noncompactness of matrix operators on some new difference sequence spaces (2016) Journal of Inequalities and Applications, 2016 (1), art. no. 266, .

2016-341) Cinar, M., Et, M. On statistical convergence of order α of difference sequence of functions (2016) Maejo International Journal of Science and Technology, 10 (1), pp. 104-112.

119. Karabasevic D., Stanujkic D., Urosević S., Maksimovic M. Selection of candidates in the mining industry based on the application of the SWARA and the MULTIMOORA methods Acta Montanistica Slovaca, (2) (2015), pp.116-124.

- 2016-342)** Hafezalkotob, A., Hafezalkotob, A. Fuzzy entropy-weighted MULTIMOORA method for materials selection (2016) Journal of Intelligent and Fuzzy Systems, 31 (3), pp. 1211-1226.
- 2016-343)** Işık, A.T., Adali, E.A. A new integrated decision making approach based on SWARA and OCRA methods for the hotel selection problem (2016) International Journal of Advanced Operations Management, 8 (2), pp. 140-151.

120. Djordjevic S., Nikolic L., Urosević S., Djordjevic D. Importance of polymer size rheology for efficient sizing of cotton warp yarns, Tekstil ve Konfeksiyon, (2) (2012), pp.77-82.

- 2016-344)** Kovačević, S., Đorđević, S., Đorđević, D. Natural modified starch and synthetic sizes in function of characteristics of sized yarn (2016) Fibres and Textiles in Eastern Europe, 24 (1), pp. 56-66.

121. Urosević S., Stamatovic M. Role of small and medium-sized enterprises in the enhancement of the Serbian textile industry in times of crisis, Fibres and Textiles in Eastern Europe, (4) (2011), pp.14-19.

- 2016-345)** Slović, D., Tomašević, I., Radović, M. Improving productivity in the apparel industry through gain sharing and continuous process improvement: The case of a serbian manufacturer (2016) Fibres and Textiles in Eastern Europe, 24 (2), pp. 15-22.

- 2016-346)** Vorkapić, M., Čoćkalo, D., Dorđević, D. The acceptable strategies for new product developement in serbian small-scale manufacturing enterprises (2016) Journal of Applied Engineering Science, 14 (2), pp. 213-221.

122. Bogdanovic D., Miletic S. Personnel evaluation and selection by multicriteria decision making method , Economic Computation and Economic Cybernetics Studies and Research, (3) (2014), pp.

- 2016-347)** Novickyte, L., Rabikauskaite, V., Pedroja, G. Social security issues: II pillar pension funds'performance in Lithuania (2016) Journal of Security and Sustainability Issues, 5 (3), pp. 329-354.

123. Bogdanovic D., Nikolic D., Ivana I. Mining method selection by integrated AHP and PROMETHEE method, Anais da Academia Brasileira de Ciencias, (1) (2012), pp.219-233.

- 2016-348)** Polat, G. Subcontractor selection using the integration of the AHP and PROMETHEE methods (2016) Journal of Civil Engineering and Management, 22 (8), pp. 1042-1054.

- 2016-349)** Phillips, J., Whiting, K. A geocybernetic analysis of the principles of the Extractive Industries Transparency Initiative (EITI) (2016) Resources Policy, 49, pp. 248-265.

- 2016-350)** Ishizaka, A., Pereira, V.E. Portraying an employee performance management system based on multi-criteria decision analysis and visual techniques (2016) International Journal of Manpower, 37 (4), pp. 628-659.

- 2016-351)** Shukla, S., Mishra, P.K., Jain, R., Yadav, H.C. An integrated decision making approach for ERP system selection using SWARA and PROMETHEE method (2016) International Journal of Intelligent Enterprise, 3 (2), pp. 120-147.

- 2016-352)** Keseru, I., Bulckaen, J., MacHaris, C. The multi-Actor multi-criteria analysis in action for sustainable urban mobility decisions: The case of Leuven (2016) International Journal of Multicriteria Decision Making, 6 (3), pp. 211-236.

124. Brodić D., Milivojevic Z.N., Amelio A. Analysis of the South Slavic scripts by run-length features of the image texture Elektronika ir Elektrotehnika, 21 (4) (2015), pp. 60-64.

- 2016-353)** Cetiner, I., Var, A.A., Cetiner, H. Classification of knot defect types using wavelets and KNN (2016) Elektronika ir Elektrotehnika, 22 (6), pp. 67-72.

125. Brodić D., Milivojevic D.R. An algorithm for the estimation of the initial text skew, Information Technology and Control, (3) (2012), pp. 211-219.

- 2016-354)** Riesen, K., Hanne, T., Schmidt, R. Sketch-Based User Authentication with a Novel String Edit Distance Model (2016) IEEE Transactions on Systems, Man, and Cybernetics: Systems, PP (99), art. no. 7560638, .

126. Brodić D., Milivojevic Z.N. Estimation of the handwritten text skew based on binary moments , Radioengineering, (1)(2012), pp.162-169.

- 2016-355)** Ravikumar, M., Guru, D.S., Manjunath, S., Manjunath Aradhya, V.N. Script based trilingual handwritten word level multiple skew estimation (2016) Advances in Intelligent Systems and Computing, 434, pp. 541-549.
- 127. Brodić D., Milivojevic D.R., Milivojevic Z.N. An approach to a comprehensive test framework for analysis and evaluation of text line segmentation algorithms, Sensors, (9) (2011), pp.8782-8812.**
- 2016-356)** Rodríguez-Rodríguez, J.C., Quesada-Arencibia, A., Moreno-Díaz, R., García, C.R. A character segmentation proposal for high-speed visual monitoring of expiration codes on beverage cans (2016) Sensors (Switzerland), 16 (4), art. no. 527,
- 128. Brodić D. The evaluation of the initial skew rate for printed text, Journal of Electrical Engineering, (3)(2011), pp.134-140.**
- 2016-357)** Al-Khatatneh, A., Pitchay, S.A., Al-Qudah, M. A Review of Skew Detection Techniques for Document (2016) Proceedings - UKSim-AMSS 17th International Conference on Computer Modelling and Simulation, UKSim 2015, art. no. 7576562, pp. 316-321.
- 129. Brodić D., Milivojevic D.R., Milivojevic Z. Basic test framework for the evaluation of text line segmentation and text parameter extraction, Sensors, (5) (2010), pp.5263-5279.**
- 2016-358)** Rodríguez-Rodríguez, J.C., Quesada-Arencibia, A., Moreno-Díaz, R., García, C.R. A character segmentation proposal for high-speed visual monitoring of expiration codes on beverage cans (2016) Sensors (Switzerland), 16 (4), art. no. 527, .
- 2016-359)** Seo, J., Chae, S., Shim, J., Kim, D., Cheong, C., Han, T.-D. Fast contour-tracing algorithm based on a pixel-following method for image sensors (2016) Sensors (Switzerland), 16 (3), art. no. 353,.
- 130.Kocev D., Almost menger and related spaces,Matematički Vesnik, (2) (2009) pp.173-180.**
- 2016-360)** Sabah, A., ud Din Khan, M., Kočinac, L.D.R. Covering properties defined by semi-open sets (2016) Journal of Nonlinear Science and Applications, 9 (6), pp. 4388-4398.
- 131. Manasijević, D., Živković, D., Arsić, S., Milošević, I., Exploring students' purposes of usage and educational usage of Facebook, Computers in Human Behavior, 60 (2016), pp. 441-450.**
- 2016-361)** Nevzat, R., Amca, Y., Tanova, C., Amca, H., Role of social media community in strengthening trust and loyalty for a university, Computers in Human Behavior, 65 (2016), pp. 550-559.
- 2016-362)** Gomez, H.F.A., Mocha-Bonilla, J.A., Guerrero, J.S., Arias, S.A.T., Ramirez, J.N., Jimenez, L.A., Chicaiza-Redin, V.E., Guerrero, D.S., Castro, W., Rocio-Nunez, C.L., DelSalto, V.H., A methodological approach in the multimodal classroom: The usage of social networking and connectivity as a learning strategy, Proceedings of 2016 International Conference on Interactive Mobile Communication Technologies and Learning, IMCL 2016, (2016) art. no. 7753772, pp. 58-64.
- 132. Ćosović, V., Minić, D., Manasijević, D., Premović, M., Dervišević, I., Živković, D., Experimental investigation and thermodynamic calculations of the Ag-Ga-Zn phase diagram, Journal of Alloys and Compounds, 632 (2015), pp. 783-793.**
- 2016-363)** Terlicka, S., Dębski, A., Mixing enthalpy of liquid Ga-Li-Zn alloys, Thermochimica Acta, 625(2016), pp. 3-8.
- 133. Milošević, I., Živković, D., Manasijević, D., Nikolić, D., The effects of the intended behavior of students in the use of M-learning, Computers in Human Behavior, 51 (PA) (2015), pp. 207-215.**
- 2016-364)** Yeap, J.A.L., Ramayah, T., Soto-Acosta, P., Factors propelling the adoption of m-learning among students in higher education, Electronic Markets, 26 (4) (2016), pp. 323-338.
- 2016-365)** Zhai, C., Huang, Y., Exploring consumers' use behavior on internet finance in China: From the perspective of the financial products similar to Yu'e Bao 2016 13th International Conference on Service Systems and Service Management, ICSSSM 2016, (2016) art. no. 7538659.
- 134. Mitovski, A., Štrbac, N., Manasijević, D., Sokić, M., Daković, A., Živković, D., Balanović, Lj., Thermal analysis and kinetics of the chalcopyrite-pyrite concentrate oxidation process, Metalurgija, 54 (2) (2015), pp. 311-314.**

- 2016-366)** Kizilca, M., Copur, M., Investigation of the Thermal Decomposition Kinetics of Chalcopyrite Ore Concentrate using Thermogravimetric Data, *Chemical Engineering Communications*, 203 (5) (2016), pp. 692-704.
- 135. Gomidželović, L., Požega, E., Kostov, A., Vuković, N., Krstić, V., Živković, D., Balanović, L., Thermodynamics and characterization of shape memory Cu-Al-Zn alloys, Transactions of Nonferrous Metals Society of China (English Edition), 25 (8) (2015), pp. 2630-2636.**
- 2016-367)** LIU, J., WANG, X.-H., RAN, Q.-N., ZHAO, G., ZHU, X.-X., Microstructure and properties of Cu-3Ti-1Ni alloy with aging process, *Transactions of Nonferrous Metals Society of China (English Edition)*, 26 (12) (2016), pp. 3183-3188.
- 136. Mitovski, A.M., Mihajlović, I.N., Štrbac, N.D., Sokić, M.D., Živković, D.T., Živković, Ž.D., Optimization of the arsenic removal process from enargite based complex copper concentrate, Hemisja Industrija, 69 (3) (2015), pp. 287-296.**
- 2016-368)** Lane, D.J., Cook, N.J., Grano, S.R., Ehrig, K., Selective leaching of penalty elements from copper concentrates: A review, *Minerals Engineering*, 98 (2016), pp. 110-121.
- 137. Milošević, I., Živković, D., Arsić, S., Manasijević, D., Facebook as virtual classroom - Social networking in learning and teaching among Serbian students, Telematics and Informatics, 32 (4) (2015), pp. 576-585.**
- 2016-369)** Pavlova, O., Prichislenko, A., Kazin, P., Hagen, S., Using social media for nurturing civic entrepreneurial spirit and motivation among the students, *ACM International Conference Proceeding Series*, 22-23-November-2016, (2016) pp. 194-201.
- 2016-370)** Marcos, C.G., Jara-Roa, D.I., Ramírez-Montoya, M.-S., Personal Social Network as a Facilitating Tool for Collaborative Knowledge Construction, *ACM International Conference Proceeding Series*, 02-04-November-2016, (2016) pp. 1115-1119.
- 2016-371)** Usluel, Y.K., Kokoç, M., Çirali Sarica, H., Mazman Akar, S.G., English version of Social Networks Adoption Scale: A validation study, *Telematics and Informatics*, 33 (2) (2016), pp. 484-492.
- 2016-372)** Sharma, S.K., Joshi, A., Sharma, H., A multi-analytical approach to predict the Facebook usage in higher education, *Computers in Human Behavior*, 55 (2016), pp. 340-353.
- 138. Minić, D., Premović, M., Ćosović, V., Manasijević, D., Nedeljkovic, L., Živković, D., Experimental investigation and thermodynamic calculations of the Cu-In-Ni phase diagram, Journal of Alloys and Compounds, 617 (2014), pp. 379-388.**
- 2016-373)** Apaydın, R.O., Ebin, B., Gürmen, S., Single-Step Production of Nanostructured Copper-Nickel (CuNi) and Copper-Nickel-Indium (CuNiIn) Alloy Particles, *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, 47 (7) (2016), pp. 3744-3752.
- 139. Živković, D., Štrbac, N., Sokić, M., Andrić, V., Jovanović, I., Jovičić, M., Andjelić, B., Radosavljević, S., Physicochemical investigation of some archaeometallurgical findings from locality Kmpije (Bor, Serbia), Journal of Thermal Analysis and Calorimetry, 118 (2) (2014), pp. 1369-1373.**
- 2016-374)** Rzepa, G., Bajda, T., Gaweł, A., Debiec, K., Drewniak, L., Mineral transformations and textural evolution during roasting of bog iron ores, *Journal of Thermal Analysis and Calorimetry*, 123 (1) (2016), pp. 615-630.
- 140. Balanović, L., Živković, D., Manasijević, D., Minić, D., Ćosović, V., Talijan, N., Calorimetric investigation of Al-Zn alloys using Oelsen method, Journal of Thermal Analysis and Calorimetry, 118 (2) (2014), pp. 1287-1292.**
- 2016-375)** Dębski, A., Gąsior, W., Szmiet, K., Calorimetric Measurements of Liquid Al-Zn Alloys, *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, 47 (10) (2016), pp. 4933-4940.
- 2016-376)** Gąsior, W., Dębski, A., Terlicka, S., Calorimetric and Electromotive Force Measurements of Al-Li-Zn Liquid Solutions, *Journal of Phase Equilibria and Diffusion*, 37 (4) (2016), pp. 481-490.
- 2016-377)** Dębski, A., Terlicka, S., Calorimetric measurements of liquid (Al + Li + Zn) alloys, *Journal of Chemical Thermodynamics*, 92 (2016), art. no. 4394, pp. 91-96.

141. Marković, B., Zivković, D., Manasijević, D., Sokić, M., Minić, D., Talijan, N., Stajić-Trošić, J., Thermal, structural and electrical properties of some Bi-Cu-Ni alloys, *Archives of Metallurgy and Materials*, 59 (1) (2014), pp. 117-120.

2016-378) Dezsö, A., Kaptay, G., On the general material balance equation(s) to calculate quasi-binary sections of multicomponent phase diagrams, *Archives of Metallurgy and Materials*, 61 (1) (2016), pp. 75-77.

142. Costa, C., Delsante, S., Borzone, G., Zivkovic, D., Novakovic, R., Thermodynamic and surface properties of liquid Co-Cr-Ni alloys, *Journal of Chemical Thermodynamics*, 69 (2014), pp. 73-84.

2016-379) Thompson, J.S., Hassan, O., Rolland, S.A., Sienz, J., LSN Diffusion Ltd, The identification of an accurate simulation approach to predict the effect of operational parameters on the particle size distribution (PSD) of powders produced by an industrial close-coupled gas atomizer, *Powder Technology*, 291 (2016), pp. 75-85.

2016-380) Kaptay, G., Modelling equilibrium grain boundary segregation, grain boundary energy and grain boundary segregation transition by the extended Butler equation, *Journal of Materials Science*, 51 (4) (2016), pp. 1738-1755.

143. Ćosović, V., Pavlović, M., Ćosović, A., Vulić, P., Premović, M., Živković, D., Talijan, N., Microstructure refinement and physical properties of Ag-SnO₂ based contact materials prepared by high-energy ball milling, *Science of Sintering*, 45 (2) (2013), pp. 173-180.

2016-381) Wei, Z., Zhang, L., Shen, T., Qiao, Z., Yang, H., Fan, X., Chen, L., Effects of Oxide-Modified Spherical ZnO on Electrical Properties of Ag/ZnO Electrical Contact Material, *Journal of Materials Engineering and Performance*, 25 (9) (2016), pp. 3662-3671.

2016-382) Zhang, M., Wang, X.-H., Yang, X.-H., Zou, J.-T., Liang, S.-H., Arc erosion behaviors of AgSnO₂ contact materials prepared with different SnO₂ particle sizes, *Transactions of Nonferrous Metals Society of China* (English Edition), 26 (3) (2016), pp. 783-790.

144. Ćosović, V., Ćosović, A., Talijan, N., Živković, D., Manasijević, D., Minić, D., Improving dispersion of SnO₂ nanoparticles in Ag-SnO₂ electrical contact materials using template method, *Journal of Alloys and Compounds*, 567 (2013), pp. 33-39.

2016-383) Ren, W., Wang, X., Zhang, M., Yang, X., Zou, J., Arc erosion behavior of Ag-SnO₂ contact materials with different SnO₂ contents, *Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering*, 45 (8) (2016), pp. 2075-2079.

2016-384) Zhang, L., Shen, T., Shen, Q., Zhang, J., Chen, L., Fan, X., Yang, H., Anti-arc erosion properties of Ag-La₂Sn₂O₇/SnO₂ contacts, *Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering*, 45 (7) (2016), pp. 1664-1668.

2016-385) Zhang, M., Wang, X.-H., Yang, X.-H., Zou, J.-T., Liang, S.-H., Arc erosion behaviors of AgSnO₂ contact materials prepared with different SnO₂ particle sizes, *Transactions of Nonferrous Metals Society of China* (English Edition), 26 (3) (2016), pp. 783-790.

145. Tang, Y., Hu, B., Wang, J., Gao, Q., Du, Y., Yuan, X., Živković, D., Thermodynamic modeling of the La-B and La-Bi systems supported by first-principles calculations, *Journal of Phase Equilibria and Diffusion*, 34 (4) (2013), pp. 297-306.

2016-386) Shevchenko, M.A., Ivanov, M.I., Berezutski, V.V., Sudavtsova, V.S., Thermodynamic Properties of Alloys of the Binary Bi-Yb System, *Russian Journal of Physical Chemistry A*, 90 (4) (2016), pp. 723-734.

146. Živković, D., Balanović, L., Manasijević, D., Grgurić, T.H., Ćubela, D., Mitovski, A., Comparative thermodynamic analysis and phase diagram prediction of the Ga-Sn-Zn system, *International Journal of Materials Research*, 104 (1) (2013), pp. 26-34.

2016-387) Gancarz, T., Fima, P., Wetting and Interfacial Chemistry of Sn-Zn-Ga Alloys with Cu Substrate, *Journal of Materials Engineering and Performance*, 25 (8) (2016), pp. 3358-3365.

147. Minić, D., Premović, M., Ćosović, V., Manasijević, D., Živković, D., Kostov, A., Talijan, N., Experimental investigation and thermodynamic calculations of the Al-Cu-Sb phase diagram, *Journal of Alloys and Compounds*, 555 (2013), pp. 347-356.

- 2016-388)** Sun, Y., Liu, H., Xie, Z., Jin, Z., Prediction of interfacial reaction products between metals with same lattice structure through thermodynamic modeling, *Calphad: Computer Coupling of Phase Diagrams and Thermochemistry*, 52 (2016), pp. 180-185.
- 148.** Živković, D., Sokić, M., Živković, Ž., Manasijević, D., Balanović, L., Šrbac, N., Čosović, V., Boyanov, B., Thermal study and mechanism of Ag₂S oxidation in air, *Journal of Thermal Analysis and Calorimetry*, 111 (2) (2013), pp. 1173-1176.
- 2016-389)** Meier, C., Voegelin, A., Pradas Del Real, A., Sarret, G., Mueller, C.R., Kaegi, R., Transformation of Silver Nanoparticles in Sewage Sludge during Incineration, *Environmental Science and Technology*, 50 (7) (2016), pp. 3503-3510.
- 149.** Čosović, V., Čosović, A., Talijan, N., Živković, D., Živković, Ž., State of the art and challenges in development of electrical contact materials in the light of the rohs directive, *Science of Sintering*, 44 (2) (2012), pp. 245-253.
- 2016-390)** Guo, X., Zhang, Q., Ding, X., Shen, Q., Wu, C., Zhang, L., Yang, H., Synthesis and application of several sol-gel-derived materials via sol-gel process combining with other technologies: a review, *Journal of Sol-Gel Science and Technology*, 79 (2) (2016), pp. 328-358.
- 150.** Živković, D., Balanović, L., Manasijević, D., Mitovski, A., Živković, Ž., Kostić, N., Calorimetric study of Al-Ga system using Oelsen method, *Thermochimica Acta*, 544 (2012), pp. 6-9.
- 2016-391)** Wang, F.-Q., Wang, H.-H., Wang, J., Lu, J., Luo, P., Chang, Y., Ma, X.-G., Dong, S.-J., Effects of low melting point metals (Ga, In, Sn) on hydrolysis properties of aluminum alloys, *Transactions of Nonferrous Metals Society of China (English Edition)*, 26 (1) (2016), pp. 152-159.
- 151.** Žák, T., Čosović, V., Čosović, A., David, B., Talijan, N., Živković, D., Formation of magnetic microstructure of the nanosized NiFe₂O₄ synthesized via solid-state reaction, *Science of Sintering*, 44 (1) (2012), pp. 103-112.
- 2016-392)** Kanagesan, S., Hashim, M., Aziz, S.A.B., Ismail, I., Tamilselvan, S., Alitheen, N.B., Swamy, M.K., Chandra Rao, B.P., Evaluation of antioxidant and cytotoxicity activities of copper ferrite (CuFe₂O₄) and zinc ferrite (ZnFe₂O₄) nanoparticles synthesized by sol-gel self-combustion method, *Applied Sciences (Switzerland)*, 6 (9) (2016), art. no. 184.
- 2016-393)** Kanagesan, S., Aziz, S.B.A., Hashim, M., Ismail, I., Tamilselvan, S., Alitheen, N.B.B.M., Swamy, M.K., Rao, B.P.C., Synthesis, characterization and in vitro evaluation of manganese ferrite (MnFe₂O₄) nanoparticles for their biocompatibility with murine breast cancer cells (4T1), *Molecules*, 21 (3) (2016), art. no. 312.
- 152.** Niculović, M., Živković, D., Manasijević, D., Šrbac, N., Monitoring the effect of Internet use on students behavior case study: Technical Faculty Bor, University of Belgrade, *Educational Technology Research and Development*, 60 (3) (2012), pp. 547-559.
- 2016-394)** Sun, C., Spathis, R., Chan, C.W., Sankaranarayanan, K., Lum, J.K., Genetic-linked inattentiveness protects individuals from internet overuse: A genetic study of internet overuse evaluating hypotheses based on addiction, inattention, novelty-seeking and harm-avoidance, *Informing Science*, 19 (1) (2016), pp. 173-200.
- 153.** Minić, D., Kolarević, M., Manasijević, D., Todorović, A., Živković, D., Talijan, N., Experimental investigation and thermodynamic calculations of the Ni-Sb-Zn phase diagram, *Materials Chemistry and Physics*, 132 (2-3) (2012), pp. 402-408.
- 2016-395)** Zhao, Y., Zhu, Z., Xie, Y., Yin, F., Phase equilibria of the Ni-Sb-Zn system at 600°C, *International Journal of Materials Research*, 107 (10) (2016), pp. 894-902.
- 2016-396)** Bertelli, F., Cheung, N., Ferreira, I.L., Garcia, A., Evaluation of thermophysical properties of Al-Sn-Si alloys based on computational thermodynamics and validation by numerical and experimental simulation of solidification, *Journal of Chemical Thermodynamics*, 98 (2016), pp. 9-20.
- 154.** Čosović, V., Talijan, N., Živković, D., Minić, D., Živković, Ž., Comparison of properties of silver-metal oxide electrical contact materials, *Journal of Mining and Metallurgy, Section B: Metallurgy*, 48 (1) (2012), pp. 131-141.

- 2016-397)** Lin, Z., Liu, S., Li, J.-G., Chen, J., Xie, M., Li, X., Zhang, M., Zhu, Q., Huo, D., Sun, X., Morphology-controllable synthesis and thermal decomposition of Ag and Ni oxalate for Ag-Ni alloy electrical contact materials, *Materials and Design*, 108 (2016), pp. 640-647.
- 2016-398)** Wei, Z., Zhang, L., Shen, T., Qiao, Z., Yang, H., Fan, X., Chen, L., Effects of Oxide-Modified Spherical ZnO on Electrical Properties of Ag/ZnO Electrical Contact Material, *Journal of Materials Engineering and Performance*, 25 (9) (2016), pp. 3662-3671.
- 2016-399)** Shiliang, Z., Zhongdian, Z., Qiwei, L., Yujun, X., Xiubo, T., New technology for measuring resistance of electrical contact and estimating welding quality, *Science and Technology of Welding and Joining*, 21 (3) (2016), pp. 201-208.
- 155. Minić, D., Manasijević, D., Čosovic, V., Todorović, A., Dervišević, I., Živković, D., Dokić, J., Experimental investigation and thermodynamic prediction of the NiPbSb phase diagram, Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 35 (3) (2011), pp. 308-313.**
- 2016-400)** Bertelli, F., Cheung, N., Ferreira, I.L., Garcia, A., Evaluation of thermophysical properties of Al-Sn-Si alloys based on computational thermodynamics and validation by numerical and experimental simulation of solidification, *Journal of Chemical Thermodynamics*, 98 (2016), pp. 9-20.
- 156. Živković, D., Minić, D., Manasijević, D., Talijan, N., Katayama, I., Kostov, A., Thermodynamic analysis and characterization of Bi-Cu-Sn alloys as advanced lead-free solder materials for high temperature application, Journal of Materials Science: Materials in Electronics, 22 (8) (2011), pp. 1130-1135.**
- 2016-401)** Lai, S., Hu, J., Yin, F., Liu, Y., Zhao, M., Phase Equilibria of the Cu-Sn-Bi Ternary System, *Journal of Phase Equilibria and Diffusion*, 37 (5) (2016), pp. 556-563.
- 157. Ilić, I., Bogdanović, D., Živković, D., Milošević, N., Todorović, B., Optimization of heavy metals total emission, case study: Bor (Serbia), Atmospheric Research, 101 (1-2) (2011), pp. 450-459.**
- 2016-402)** Brans, J.-P., De Smet, Y., PROMETHEE methods, *International Series in Operations Research and Management Science*, 233 (2016), pp. 187-219. DOI: 10.1007/978-1-4939-3094-4_6
- 158. Živković, D., Minić, D., Manasijević, D., Šestak, J., Živković, Ž., Thermal analysis and prediction of phase equilibria in ternary Pb-Zn-Ag system, Journal of Mining and Metallurgy, Section B: Metallurgy, 47 (1) (2011), pp. 23-30. DOI: 10.2298/JMMB1101023Z**
- 2016-403)** Ivanović, A.T., Trumić, B.T., Ivanov, S.Lj., Marjanović, S.R., Zrilić, M.M., Volkov-Husović, T.D., Petković, B.B., Optimisation of the recrystallisation annealing regime of pd-5ni alloy, *Johnson Matthey Technology Review*, 60 (1) (2016), pp. 31-38.
- 159. Minić, D., Manasijević, D., Živković, D., Stajić-Trošić, J., Dokić, J., Petković, D., Experimental investigation and thermodynamic calculation of Bi-Ga-Sb phase diagram, Materials Science and Technology, 27 (5) (2011), pp. 884-889. DOI: 10.1179/174328409X430537**
- 2016-404)** Elayech, N., Fitouri, H., Boussaha, R., Rebey, A., El Jani, B., Calculation of [Formula presented] ternary phase diagram, *Vacuum*, 131 (2016), pp. 147-155.
- 160. Kostov, A., Živković, D., Thermodynamic properties calculation in Ni-Cr-Co liquid alloys using FactSage, International Journal of Computer Aided Engineering and Technology, 3 (1) (2011), pp. 34-52. DOI: 10.1504/IJCAET.2011.037867**
- 2016-405)** Tyagunov, A.G., V'yukhin, V.V., Tyagunov, G.V., Baryshev, E.E., Akshentsev, Y.N., Influence of the chromium concentration on structure formation in liquid chromonickel alloys, *Steel in Translation*, 46 (8) (2016), pp. 558-562. DOI: 10.3103/S0967091216080155
- 161. Sokić, M.D., Matković, V.Lj., Marković, B.R., Štrbac, N.D., Živković, D.T., Passivation of chalcopyrite during the leaching with sulphuric acid solution in presence of sodium nitrate, Hemijska Industrija, 64 (4) (2010), pp. 343-350. DOI: 10.2298/HEMIND100312013S**
- 2016-406)** Shiers, D.W., Collinson, D.M., Kelly, N.J., Watling, H.R., Copper extraction from chalcopyrite: Comparison of three non-sulfate oxidants, hypochlorous acid, sodium chlorate and potassium nitrate, with ferric sulfate, *Minerals Engineering*, 85 (2016), pp. 55-65.

162. Marković, B., Živković, D., Vrešt'ál, J., Manasijević, D., Minić, D., Talijan, N., Staji-Trošić, J., Todorović, R., Experimental study and thermodynamic remodeling of the Bi-Cu-Ni system, Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 34 (3) (2010), pp. 294-300.

2016-407) Zagula-Yavorska, M., Romanowska, J., Kotowski, S., Sieniawski, J., Numerical Prediction of the Thermodynamic Properties of Ternary Al-Ni-Pd Alloys, High Temperature Materials and Processes, 35 (1) (2016), pp. 37-45. DOI: 10.1515/htmp-2014-0112

163. Minić, D., Dokić, J., Čosović, V., Stajić-Trošić, J., Živković, D., Dervišević, I., Experimental investigation and thermodynamic prediction of the Bi-Sb-Zn phase diagram, Materials Chemistry and Physics, 122 (1) (2010), pp. 108-113.

2016-408) Gandova, V.D., Ni-Bi-Zn ternary system investigation using diffusion couples technique, Journal of Mining and Metallurgy, Section B: Metallurgy, 52 (1) (2016), pp. 113-118.

164. Gomidželović, L., Živković, D., Thermodynamic analysis of AuIn-Sb system using Oelsen calorimetry and predicting methods, Journal of Thermal Analysis and Calorimetry, 98 (3) (2009), pp. 743-748.

2016-409) Shafa, M., Akbar, S., Gao, L., Fakhar-e-Alam, M., Wang, Z.M., Indium Antimonide Nanowires: Synthesis and Properties, Nanoscale Research Letters, 11 (1) (2016), art. no. 164.

165. Manasijević, D., Minić, D., Živković, D., Katayama, I., Vrešt'ál, J., Petković, D., Experimental investigation and thermodynamic calculation of the Bi-Ga-Sn phase equilibria, Journal of Physics and Chemistry of Solids, 70 (9) (2009), pp. 1267-1273.

2016-410) Chen, C.-H., Lee, B.-H., Chen, H.-C., Wang, C.-M., Wu, A.T., Development of New Low Melting Solder Alloys, Proceedings - Electronic Components and Technology Conference, 2016-August, (2016) art. no. 7545777, pp. 2501-2506.

166. Sokić, M.D., Marković, B., Živković, D., Kinetics of chalcopyrite leaching by sodium nitrate in sulphuric acid, Hydrometallurgy, 95 (3-4) (2009), pp. 273-279.

2016-411) He, H., Cao, J., Duan, N., Analytical and mineralogical study of a Ghana manganese ore: Quantification of Mn speciation and effect of mechanical activation, Chemosphere, 162 (2016), pp. 8-15.

2016-412) Li, Y., Wei, Z., Qian, G., Li, J., Gerson, A.R., Kinetics and mechanisms of chalcopyrite dissolution at controlled Redox potential of 750 mV in sulfuric acid solution, Minerals, 6 (3) (2016), art. no. 83.

2016-413) Ghorbani, Y., Franzidis, J.-P., Petersen, J., Heap leaching technology - Current State, innovations, and future directions: A review, Mineral Processing and Extractive Metallurgy Review, 37 (2) (2016), pp. 73-119.

2016-414) Shiers, D.W., Collinson, D.M., Kelly, N.J., Watling, H.R., Copper extraction from chalcopyrite: Comparison of three non-sulfate oxidants, hypochlorous acid, sodium chlorate and potassium nitrate, with ferric sulfate, Minerals Engineering, 85 (2016), pp. 55-65. DOI: 10.1016/j.mineng.2015.10.019

167. Kostov, A., Friedrich, B., Živković, D., Thermodynamic calculations in alloys Ti-Al, Ti-Fe, Al-Fe and Ti-Al-Fe, Journal of Mining and Metallurgy, Section B: Metallurgy, 44 (1) (2008), pp. 49-61.

2016-415) Wearing, D., Horsfield, A.P., Xu, W., Lee, P.D., Which wets TiB₂ inoculant particles: Al or Al₃Ti?, Journal of Alloys and Compounds, 664 (2016), pp. 460-468.

2016-416) Song, J., Mukherjee, A., Influence of F- on the electrochemical properties of titanium ions and Al-Ti alloy electrodeposition in molten AlCl₃-NaCl, RSC Advances, 6 (85) (2016), pp. 82049-82056.

168. Mihajlović, I., Živković, Z., Prvulović, S., Šrbac, N., Živković, D., Factors influencing job satisfaction in transitional economies, Journal of General Management, 34 (2) (2008), pp. 71-87.

2016-416) Dolobac, M., Mura, L., Svec, M., Personnel management and the new system of dual education in Slovak Republic, Actual Problems of Economics, 181 (7) (2016), pp. 282-289.

169. Minić, D., Manasijević, D., Dokić, J., Živković, D., Živković, Ž., Silicothermic reduction process in magnesium production: Thermal analysis and characterization of the slag, Journal of Thermal Analysis and Calorimetry, 93 (2) (2008), pp. 411-415.

- 2016-417) Fu, D.-X., Zhang, T.-A., Guan, L.-K., Dou, Z.-H., Wen, M., Magnesium Production by Silicothermic Reduction of Dolime in Pre-prepared Dolomite Pellets, *JOM*, 68 (12) (2016), pp. 3208-3213.
2016-418) Fu, D.X., Wang, Y.W., Peng, J.P., Di, Y.Z., Tao, S.H., Feng, N.X., Kinetics and mechanism of vacuum isothermal reduction of magnesia by aluminium, *Canadian Metallurgical Quarterly*, 55 (3) (2016), pp. 365-375.
2016-419) Wen, M., Zhang, T.-A., Dou, Z.-H., Experimental study on pelletizing process of prepared pellets for silicothermic magnesium production, *Dongbei Daxue Xuebao/Journal of Northeastern University*, 37 (7) (2016), pp. 960-963.
2016-420) Wang, Y.-W., Zhao, K., Peng, J.-P., Di, Y.-Z., Li, Y.-L., Song, Y., Deng, X.-Z., Process of producing magnesium by thermal vacuum reduction using silicocalcium as reductant, *Rare Metals*, 35 (7) (2016), pp. 571-575.
2016-421) Wang, Y., You, J., Peng, J., Di, Y., Production of Magnesium by Vacuum Aluminothermic Reduction with Magnesium Aluminate Spinel as a By-Product, *JOM*, 68 (6) (2016), pp. 1728-1736.

170. Kostov, A., Živković, D., Thermodynamic analysis of alloys Ti-Al, Ti-V, Al-V and Ti-Al-V, Journal of Alloys and Compounds, 460 (1-2) (2008), pp. 164-171.

- 2016-422) Tu, H., Wu, C., Liu, Y., Su, X., Peng, H., Experimental Investigation of the 450 and 600 °C Sections of the Ti-V-Zn System, *Journal of Phase Equilibria and Diffusion*, 37 (6) (2016), pp. 651-657.
2016-423) Duan, S.-C., Chen, H.-B., Guo, H.-J., Lian, Y.-F., Representation of reaction abilities for Al-Ti binary melts based on the atom-molecule coexistence theory, *Gongcheng Kexue Xuebao/Chinese Journal of Engineering*, 38 (10) (2016), pp. 1377-1385.
2016-424) Wearing, D., Horsfield, A.P., Xu, W., Lee, P.D., Which wets TiB₂ inoculant particles: Al or Al₃Ti?, *Journal of Alloys and Compounds*, 664 (2016), pp. 460-468.
2016-425) Gao, Z., Lu, H., Preparation of Ti-Al-V alloys by aluminothermic reaction, *TMS Annual Meeting*, 14-18-February-2016 (2016), pp. 65-72.

171. Živković, D., Application of the Kaptay model in calculation of ternary liquid alloys' viscosities, International Journal of Materials Research, 99 (7) (2008), pp. 748-750.

- 2016-426) Dogan, A., Arslan, H., Geometric modelling of viscosity of copper-containing liquid alloys, *Philosophical Magazine*, 96 (5) (2016), pp. 459-472.

172. Živković, D., A new approach to estimate the viscosity of the ternary liquid alloys using the Budai-Benko-Kaptay equation, Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 39 (3) (2008), pp. 395-398.

- 2016-427) Yakymovych, A., Sklyarchuk, V., Plevachuk, Y., Sokoliuk, B., Viscosity and Electrical Conductivity of the Liquid Sn-3.8Ag-0.7Cu Alloy with Minor Co Admixtures, *Journal of Materials Engineering and Performance*, 25 (10) (2016), pp. 4437-4443.
2016-428) Yakymovych, A., Vus, V., Mudry, S., Viscosity of liquid Cu-In-Sn alloys, *Journal of Molecular Liquids*, 219 (2016), pp. 845-850.
2016-429) Dogan, A., Arslan, H., Geometric modelling of viscosity of copper-containing liquid alloys, *Philosophical Magazine*, 96 (5) (2016), pp. 459-472.

173. Sokić, M., Ilić, I., Živković, D., Vučković, N., Investigation of mechanism and kinetics of chalcopyrite concentrate oxidation process, Metalurgija, 47 (2) (2008), pp. 109-113.

- 2016-430) Kizilca, M., Copur, M., Investigation of the Thermal Decomposition Kinetics of Chalcopyrite Ore Concentrate using Thermogravimetric Data, *Chemical Engineering Communications*, 203 (5) (2016), pp. 692-704.

174. Kostov, A., Živković, D., Friedrich, B., Thermodynamic predicting of Si-Me (Me = Ti, Al) binary systems, Journal of Mining and Metallurgy, Section B: Metallurgy, 43 (1) (2007), pp. 29-38.

- 2016-431) Ban, B., Li, J., Bai, X., He, Q., Chen, J., Dai, S., Mechanism of B removal by solvent refining of silicon in Al-Si melt with Ti addition, *Journal of Alloys and Compounds*, 672 (2016), pp. 489-496.

175. Manasijević, D., Vrešťál, J., Minić, D., Kroupa, A., Živković, D., Živković, Z., Phase equilibria and thermodynamics of the Bi-Sb-Sn ternary system, Journal of Alloys and Compounds, 438 (1-2) (2007), pp. 150-157.

2016-432) Emuna, M., Greenberg, Y., Hevroni, R., Korover, I., Yahel, E., Makov, G., Phase diagrams of binary alloys under pressure, *Journal of Alloys and Compounds*, 687 (2016), pp. 360-369.

176. Minić, D., Manasijević, D., Živković, D., Živković, Ž., Phase equilibria in the In-Sb-Bi system at 300°C, Journal of the Serbian Chemical Society, 71 (7) (2006), pp. 843-847.

2016-433) Niculescu, F., Marcu, D.F., Constantin, I., Heica, I.D.S., Thermodynamic measures calculation for pb-sb binary alloy system using redlich-kister theoretical model, *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, 78 (2) (2016), pp. 239-245.

177. Kostov, A., Friedrich, B., Zivkovic, D., Predicting thermodynamic properties in Ti-Al binary system by FactSage, Computational Materials Science, 37 (3) (2006), pp. 355-360.

2016-434) Duan, S.-C., Chen, H.-B., Guo, H.-J., Lian, Y.-F., Representation of reaction abilities for Al-Ti binary melts based on the atom-molecule coexistence theory, *Gongcheng Kexue Xuebao/Chinese Journal of Engineering*, 38 (10) (2016), pp. 1377-1385.

179. Hebbache, M., Stuparević, L., Živković, D., A new superhard material: Osmium diboride OsB₂, Solid State Communications, 139 (5) (2006), pp. 227-231.

2016-435) Kotmool, K., Bovornratanaraks, T., Pinsook, U., Ahuja, R., Superhard Semiconducting Phase of Osmium Tetraboride Stabilizing at 11 GPa, *Journal of Physical Chemistry C*, 120 (40) (2016), pp. 23165-23171.

2016-436) Fahrenholtz, W.G., Binner, J., Zou, J., Synthesis of ultra-refractory transition metal diboride compounds, *Journal of Materials Research*, 31 (18) (2016), pp. 2757-2772.

2016-437) Yeung, M.T., Mohammadi, R., Kaner, R.B., Ultracompressible, Superhard Materials, *Annual Review of Materials Research*, 46 (2016), pp. 465-485.

2016-438) Zhang, Y., Wu, L., Wan, B., Zhao, Y., Gao, R., Li, Z., Zhang, J., Gou, H., Mao, H.-K., Structural variety beyond appearance: High-pressure phases of CrB₄ in comparison with FeB₄, *Physical Chemistry Chemical Physics*, 18 (4) (2016), pp. 2361-2368.

180. Živković, D., Estimation of the viscosity for Ag-In and In-Sb liquid alloys using different models, Zeitschrift fuer Metallkunde/Materials Research and Advanced Techniques, 97 (1) (2006), pp. 89-93.

2016-439) M'Chaar, R., Moudane, M.E., Sabbar, A., Ghanimi, A., Pb-free solders: Predicting of some physicochemical properties of Ag-Cu-Sn material at different temperatures, *Journal of Theoretical and Computational Chemistry*, 15 (7) (2016), art. no. 1650062.

181. Manasijević, D., Živković, D., Katayama, I., Živković, Ž., Calculation of the thermodynamic properties of the Ga-Sb-Tl liquid alloys, Journal of the Serbian Chemical Society, 70 (1) (2005), pp. 9-20.

2016-440) Aguilar, C., Guzman, P., Lascano, S., Parra, C., Bejar, L., Medina, A., Guzman, D., Solid solution and amorphous phase in Ti-Nb-Ta-Mn systems synthesized by mechanical alloying, *Journal of Alloys and Compounds*, 670 (2016), pp. 346-355.

182. Živković, D., Manasijević, D., An optimal method to calculate the viscosity of simple liquid ternary alloys from the measured binary data, Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 29 (4) (2005), pp. 312-316.

2016-441) Dogan, A., Arslan, H., Geometric modelling of viscosity of copper-containing liquid alloys, *Philosophical Magazine*, 96 (5) (2016), pp. 459-472.

183. Živković, D., Manasijević, D., Živković, Z., Thermodynamic and phase diagram investigation of Pb-BiIn section in Pb-Bi-In ternary system, Thermochimica Acta, 417 (1) (2004), pp. 119-125.

2016-442) Arkhipov, P.A., Kholkina, A.S., Zaykov, Y.P., EMF measurements in the Liquid Pb/PbCl₂-KCl/Pb-Sb-Bi system, *Journal of the Electrochemical Society*, 163 (2) (2016), pp. H30-H35.

184. Manasijević, D., Živković, D., Katayama, I., Živković, Ž., Calculation of activities in some gallium-based systems with a miscibility gap, Journal of the Serbian Chemical Society, 68 (8-9) (2003), pp. 665-675.

2016-443) Yadav, S.K., Jha, L.N., Jha, I.S., Singh, B.P., Koirala, R.P., Adhikari, D., Prediction of thermodynamic and surface properties of Pb–Hg liquid alloys at different temperatures, Philosophical Magazine, 96 (18) (2016), pp. 1909–1925.

185. Živković, D., Manasijević, D., Živković, Z., Thermodynamic study of Ga-Sn and Ga-Zn systems using quantitative differential thermal analysis, Journal of Thermal Analysis and Calorimetry, 74 (1) (2003), pp. 85-96.

2016-444) Terlicka, S., Dębski, A., Gąsior, W., Dębski, R., Thermodynamic properties of Ga-Zn system. Experiment vs model, Journal of Chemical Thermodynamics, 102(2016), pp. 341-347.

186. Živković, D., Kostov, A., Živković, Ž., Stuparević, L., Thermodynamics and characterisation of alloys in Sb-PbBieut section in ternary Pb-Bi-Sb system, Thermochimica Acta, 399 (1-2) (2003), pp. 73-80.

2016-445) Yéo, D.P., Hassam, S., Boa, D., Mikaelian, G., Rogez, J., DSC investigation of phase equilibria in the Bi-Pb-Sb system, Journal of Chemical Thermodynamics, 101(2016), pp. 316-322.

2016-446) Arkhipov, P.A., Khokhina, A.S., Zaykov, Y.P., EMF measurements in the Liquid Pb/PbCl₂-KCl/Pb-Sb-Bi system, Journal of the Electrochemical Society, 163 (2) (2016), pp. H30-H35.

187. Zhong, X.M., Liu, Y.H., Chou, K.-C., Lu, X.G., Zivkovic, D., Zivkovic, Z., Estimating ternary viscosity using the thermodynamic geometric model, Journal of Phase Equilibria, 24 (1) (2003), pp. 7-11.

2016-447) Dogan, A., Arslan, H., An investigation on surface tensions of Pb-free solder materials, Philosophical Magazine, 96 (27) (2016), pp. 2887-2901.

2016-448) Yakymovych, A., Vus, V., Mudry, S., Viscosity of liquid Cu-In-Sn alloys, Journal of Molecular Liquids, 219 (2016), pp. 845-850.

2016-449) Dogan, A., Arslan, H., Geometric modelling of viscosity of copper-containing liquid alloys, Philosophical Magazine, 96 (5) (2016), pp. 459-472.

188. Živković, Ž., Šrbac, N., Živković, D., Grujičić, D., Boyanov, B., Kinetics and mechanism of Sb₂S₃ oxidation process, Thermochimica Acta, 383 (1-2) (2002), pp. 137-143.

2016-450) Svoboda, R., Non-isothermal crystallization of Non-isothermal crystallization of (GeS₂)_{0.1}(Sb₂S₃)_{0.9} chalcogenide glass: Influence of reaction atmosphere, Journal of Non-Crystalline Solids, 452(2016), pp. 102-108.

2016-451) Savytskii, D., Knorr, B., Dierolf, V., Jain, H., Demonstration of single crystal growth via solid-solid transformation of a glass, Scientific Reports, 6 (2016), art. no. 23324.

2016-452) Aracena, A., Jerez, O., Antonucci, C., Senarmontite volatilization kinetics in nitrogen atmosphere at roasting/melting temperatures, Transactions of Nonferrous Metals Society of China (English Edition), 26 (1) (2016), pp. 294-300.

2016-453) Savytskii, D., Knorr, B., Dierolf, V., Jain, H., Laser-induced growth of oriented Sb₂S₃ single crystal dots on the surface of 82SbSI-18Sb₂S₃ glasses, Journal of Non-Crystalline Solids, 431 (2016), pp. 36-40.

189. Živković, D., Živković, Z., Yonghua, L., Chou, K.C., Calorimetric investigations of the system Pb-Bi-Mg-Sb with Oelsen's method. Part 2. Comparison of experimentally obtained values for lead activity with results of thermodynamic predicting, Journal of Thermal Analysis and Calorimetry, 66 (3) (2001), pp. 785-793.

2016-454) Dogan, A., Arslan, H., An investigation on surface tensions of Pb-free solder materials, Philosophical Magazine, 96 (27) (2016), pp. 2887-2901.

2016-455) Dogan, A., Arslan, H., Geometric modelling of viscosity of copper-containing liquid alloys, Philosophical Magazine, 96 (5) (2016), pp. 459-472.

190. Živković, D., Živković, Ž., Stuparević, L., Rančić, S., Comparative thermodynamic investigation of the Bi-GaSb system, Journal of Thermal Analysis and Calorimetry, 65 (3) (2001), pp. 805-819.

2016-456) Arkhipov, P.A., Khokhina, A.S., Zaykov, Y.P., EMF measurements in the Liquid Pb/PbCl₂-KCl/Pb-Sb-Bi system, Journal of the Electrochemical Society, 163 (2) (2016), pp. H30-H35.

- 191. Kostov, A., Živković, D., Živković, Z., Thermodynamic analysis of binary systems Ge-Ga and Ge-Sb, Thermochimica Acta, 338 (1-2) (1999), pp. 35-43.**
- 2016-457)** Liu, H., Jin, Y., Yang, C., Droplet-induced dot, dot-in-hole, and hole structures in GaGe thin films grown by MOCVD on GaAs substrates, CrystEngComm, 18 (24) (2016), pp. 4499-4507.
- 192. Živković, Ž.D., Živković, D.T., Grujičić, D.B., Kinetics and mechanism of the thermal decomposition of M(NO₃)_n·nH₂O (M=Cu, Co, Ni), Journal of Thermal Analysis and Calorimetry, 53 (2) (1998), pp. 617-623.**
- 2016-458)** Zhang, Z.-D., Wang, H., Qin, C., Chen, S., Ji, X., Sun, K., Chen, M., Fan, R.-H., Han, X., Fabrication and magnetic properties of electrospun cobalt nanofibers, Materials and Design, 89 (2016), pp. 543-548.
- 2016-459)** Liang, J., Wang, Y.-Z., Wang, C.-C., Lu, S.-Y., In situ formation of NiO on Ni foam prepared with a novel leaven dough method as an outstanding electrocatalyst for oxygen evolution reactions, Journal of Materials Chemistry A, 4 (25) (2016), pp. 9797-9806.
- 2016-460)** Wang, X., Jing, X., Wang, F., Ma, Y., Cheng, J., Wang, L., Xu, K., Cheng, C., Ning, P., Coupling catalytic hydrolysis and oxidation on metal-modified activated carbon for HCN removal, RSC Advances, 6 (62) (2016), pp. 57108-57116.
- 193. Živković, Z.D., Živković, D., Šesták, J., Comparative thermodynamic analysis of the binary system Bi-Sb, Journal of Thermal Analysis, 43 (2) (1995), pp. 417-426.**
- 2016-461)** Arkhipov, P.A., Kholkina, A.S., Zaykov, Y.P., EMF measurements in the Liquid Pb/PbCl₂-KCl/Pb-Sb-Bi system, Journal of the Electrochemical Society, 163 (2) (2016), pp. H30-H35.
- 194. Vuković, M., Pesic, B., Štrbac, N., Mihajlović, I., Sokić, M., Linear polarization study of the corrosion of iron in the presence of *Thiobacillus ferrooxidans* bacteria, International Journal of Electrochemical Science, 7 (3) (2012), pp. 2487-2503.**
- 2016-462)** Goh, Y., Haseeb, A.S.M.A., Studies on electrodeposition behavior of Sn–Bi alloys in plating baths modified by hydroquinone and gelatin, Journal of Materials Science, 51 (12) (2016), pp. 5823-5833.
- 195. Štrbac, N., Mihajlović, I., Minić, D., Živković, Ž., Characterization of the natural mineral form from the PbS-Sb₂S₃ system, Journal of Mining and Metallurgy, Section B: Metallurgy, 46 (1) (2010), pp. 75-86.**
- 2016-463)** Kharbish, S., Jeleň, S., Raman spectroscopy of the Pb-Sb sulfosalts minerals: Boulangerite, jamesonite, robinsonite and zinkenite, Vibrational Spectroscopy, 85 (2016), pp. 157-166.
- 196. Mihajlovic, I., Štrbac, N., Zivkovic, Z., Kovacevic, R., Stehernik, M., A potential method for arsenic removal from copper concentrates, Minerals Engineering, 20 (1) (2007), pp. 26-33.**
- 2016-464)** Chen, W.-Q., Shi, Y.-L., Wu, S.-L., Zhu, Y.-G., Anthropogenic arsenic cycles: A research framework and features, Journal of Cleaner Production, 139 (2016), pp. 328-336.
- 2016-465)** Lane, D.J., Cook, N.J., Grano, S.R., Ehrig, K., Selective leaching of penalty elements from copper concentrates: A review, Minerals Engineering, 98 (2016), pp. 110-121.
- 2016-466)** Wikedzi, A., Sandström, Å., Awe, S.A., Recovery of antimony compounds from alkaline sulphide leachates, International Journal of Mineral Processing, 152 (2016), pp. 26-35.
- 2016-467)** Cao, Z.-F., Qiu, P., Zhong, H., Wang, M.-M., Yue, Y.-J., Fan, F., A novel approach for flotation recovery of copper and molybdenite from a copper-arsenic ore, Metallurgical Research and Technology, 113 (1) (2016), art. no. 103.
- 197. Minić, D., Štrbac, N., Mihajlović, I., Živković, Ž., Thermal analysis and kinetics of the copper-lead matte roasting process, Journal of Thermal Analysis and Calorimetry, 82 (2) (2005), pp. 383-388.**
- 2016-468)** Liao, Y.-L., Zhou, J., Huang, F.-R., Wang, Y.-Y., Optimization of selective leaching technology of complex sulfide copper ore by response surface methodology, Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals, 26 (1) (2016), pp. 164-172.
- 198. Živkovic, Ž., Štrbac, N., Šesták, J., Influence of fluorides on polymorphous transformation of α-Al₂O₃ formation, Thermochimica Acta, 266 (C) (1995), pp. 293-300.**
- 2016-469)** Riello, D., Zetterström, C., Parr, C., Braulio, M.A.L., Moreira, M., Gallo, J.B., Pandolfelli, V.C.AlF₃ reaction mechanism and its influence on α-Al₂O₃ mineralization, Ceramics International, 42 (8) (2016), pp. 9804-9814.

199. Grujić, A., Talijan, N., Stojanović, D., Stajić-Trošić, J., Burzić, Z., Balanović, L., Aleksić, R., Mechanical and magnetic properties of composite materials with polymer matrix, Journal of Mining and Metallurgy, Section B: Metallurgy, 46 (1) (2010), pp. 25-32.

2016-470) Situ, S.F., Cao, J., Chen, C., Abenojar, E.C., Maia, J.M., Samia, A.C.S., Reactive Extrusion Strategies to Fabricate Magnetite–Polyethylene Nanocomposites with Enhanced Mechanical and Magnetic Hyperthermia Properties, Macromolecular Materials and Engineering, 301 (12) (2016), pp. 1525-1536.

200. Katayama, I., Živković, D., Novaković, R., Yamashita, H., Experimental study on gallium activity in the liquid Ga-Bi-Sn alloys using the EMF method with zirconia solid electrolyte, International Journal of Materials Research, 99 (12) (2008), pp. 1330-1335.

2016-471) Dogan, A., Arslan, H., An investigation on surface tensions of Pb-free solder materials, Philosophical Magazine, 96 (27) (2016), pp. 2887-2901.

2016-472) Dogan, A., Arslan, H., Geometric modelling of viscosity of copper-containing liquid alloys, Philosophical Magazine, 96 (5) (2016), pp. 459-472.

201. Andjelkovic Z.R., Milivojevic D.R., Stevic Z. Thermovisual camera commands decoding and ISI format encrypting, Journal of Scientific and Industrial Research, (7) (2010), pp-523-528.

2016-473) Nunez, J.A.R., Velazquez, L.M., Hernandez, L.A.M., Troncoso, R.J.R., Osornio-Rios, R.A.Low-cost thermographic analysis for bearing fault detection on induction motors (2016) Journal of Scientific and Industrial Research, 75 (7), pp. 412-415.

202. Živkovic Ž.D., Milosavljevic N., Sestak J. Kinetics and mechanism of pyrite oxidation, Thermochimica Acta, (2) (1990) pp.215-219.

2016-474) Baboolal, A.A., Littke, R., Wilson, B., Stock, A.T., Knight, J.Petrographical and geochemical characterization of lignites, sub-bituminous coals and carbonaceous sediments from the Erin Formation, Southern Basin, Trinidad – Implications on microfacies, depositional environment and organic matter alteration (2016) International Journal of Coal Geology, 163, pp. 112-122.

Prilog 3.

SPISAK DOMAĆIH PROJEKATA NA KOJIMA SU U PERIODU OD 2011-2016.GODINE UČESTVOVALI ISTRAŽIVAČI SA TEHNIČKOG FAKULTETA U BORU

Projekti finansirani od strane Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije:

OI projekti - 9 projekata (na 2 projekta rukovodioći projekta sa TF Bor)

TR projekti - 14 projekata (na 3 projekta rukovodioći projekta sa TF Bor)

III projekti - 4 projekta

Red. broj	Naziv projekta	Istraživači	Oblast	Broj projekta	Nosilac Koordinator	Rukovodilac
1.	``Razvoj tehnologija flotacijske prerade ruda bakra i plemenitih metala radi postizanja boljih tehnoloških rezultata``	Zoran Marković, Zoran Širbanović	TR	33023 (225/275)	Institut za rударство i metalurgiju Bor	Dragan Milanović
2.	``Monitoring elektromagnetskih zračenja mobilnih telekomunikacionih sistema u životnoj sredini, analiza molekularnih mehanizama i biomarkera oštećenja kod hronične izloženosti sa razvojem modela za procenu rizika i metoda za zaštitu od zračenja``	Čedomir Maluckov	III	43012 (24/110)	Medicinski fakultet u Nišu	Dušan Sokolović
3.	``Zajednička istraživanja i uticaja jonizujućeg i UV zračenja u oblasti medicine i zaštite životne sredine``	Čedomir Maluckov	III	43011 (58/110)	Elektronski fakultet u Nišu	Goran Ristić
4.	``Magmatizam i geodinamika balkanskog poluostrva od mezozoika do danas: značaj za obrazovanje metaličnih i nemetaličnih rudnih ležišta``	Miodrag Banješević	OI	176016 (130/395)	Rudarsko-geološki fakultet u Beogradu	Vladica Cvetković
5.	``Virtuelni koštano zglobni sistem čoveka i njegova primena u predkliničkoj i kliničkoj praksi``	Dejan Tanikić, Dalibor Đenadić	III	41017 (69/110)	Mašinski fakultet u Nišu	Miroslav Trajanović
6.	``Minerali Srbije: Sastav, geneza, primena i doprinos održavanju životne sredine``	Mira Cocić	OI	176010 (387/395)	Rudarsko-geološki fakultet u Beogradu	Mihovil Logar
7.	``Nov pristup dizajniranju materijala za konverziju i skladištenje energije``	Mirjana Rajčić – Vujasinović, Zoran Stević, Vesna Grekulović	OI	172060 (38/395)	Institut za hemiju, tehnologiju i metalurgiju u Beogradu	Amalija Tripković
8.	``Uticaj rudarskog otpada iz RTB-a Bor na zagađenje vodotokova sa predlogom mera i postupaka za smanjenje štetnog dejstva na životnu sredinu``	Dejan Antić	TP	37001 (105/275)	Institut za rударство i metalurgiju Bor	Mile Bugarin
9.	``Razvoj i primena distribuiranog sistema nadzora i upravljanja potrošnjom električne energije kod	Darko Brodić, Vladimir Despotović	TR	33037 (163/275)	Institut za rударство i metalurgiju	Dragan Milivojević

	velikih potrošača``				Bor	
10.	``Funkcionalna analiza, stohastička analiza i primene``	Ivana Đolović, I. Radojević	OI	174007 (146/395)	Prirodno matematički fakultet u Nišu	Dragan Đorđević
11.	``Razvoj naprednih materijala i tehnologija za multifunkcionalnu primenu zasnovanih na ekološkom znanju``	Vladimir Despotović, Dejan Tanikić	TR	34005 (128/275)	Institut za rударство i metalurgiju Bor	Ana Kostov
12.	``Razvoj tehnoloških procesa prerade nestandardnih koncentrata bakra u cilju optimizacije emisije zagađujućih materijala``	Nada Šrbac, Ivan Mihajlović, Milovan Vuković, Dejan Bogdanović, Aleksandra Mitovski, Milica Arsić, Đorđe Nikolić, Ivan Jovanović, Isidora Milošević	TR	34023 (50/275)	Tehnički fakultet u Boru	Nada Šrbac
13.	``Razvoj novih i unapređenje postojećih tehnoloških postupaka proizvodnje tehničkih tekstilnih materijala``	Snežana Urošević	TR	34020 (188/275)	Tehnološki fakultet u Leskovcu	Miodrag Stamenković
14.	``Neki aspekti rastvaranja metala i prirodnih minerala``	Milan Antonijević, Snežana Milić, Grozdana Bogdanović, Mile Dimitrijević, Marija Petrović, Milan Radovanović, Ana Stamenković, Maja Trumić	OI	172031 (184/110)	Tehnički fakultet u Boru	Milan Antonijević
15.	``Razvoj novih inkapsulacionih i enzimskih tehnologija za proizvodnju biokatalizatora i bioško aktivnih supstanci hrane u cilju povećanja njene konkurentnosti, kvaliteta i bezbednosti``	Snežana Šerbula, Nenad Vušović, Sladana Alagić, Snežana Urošević, Ana Ilić, Tanja Kalinović, Jelena Strojić, Milan Gorgievski	III	46010 (13/110)	Tehnološko metalurški fakultet u Beogradu Tehnički fakultet u Boru	Branko Bugarski
16.	``Implementacija savremenijih tehničko-tehnoloških i ekoloških rešenja u postojećim proizvodnim sistemima Rudnika bakra Bor i Rudnika bakra Majdanpek``	Rodoljub Stanojlović, Zoran Marković, Milan Trumić, Jovica Sokolović, Zoran Štirbanović	TR	33007 (200/275)	Institut za tehnologiju nuklearnih i drugih mineralnih sirovina Beograd	Vladan Milošević
17.	``Savremeni višekomponentni metalni sistemi i nanostruktturni materijali sa različitim funkcionalnim svojstvima``	Dragana Živković, Živan Živković, Dragan Manasijević, Ljubiša Balanović, Uroš Stamenković	OI	172037 (4/395)	Tehnički fakultet u Boru	Dragana Živković
18.	``Dinamika hibridnih sistema``	Jelena Đoković	OI	174001 (268/395)	Matematički institut SANU	Katica Stevanović Hedrijh

					Beograd	
19.	``Razvoj tehnologije proizvodnje Rd katalizatora-hvatača za smanjenje gubitaka platine u visoko temperaturnim procesima katalize``	Saša Marjanović	TR	34029 (274/275)	Institut za rударство и металургију Бор	Biserka Trumić
20.	``Osvajanje proizvodnje livenih legura Cu-Au,Cu-Ag,Cu-Pt,Cu-Pd,Cu-Rh poboljšanih svojstava primenom mehanizma ojačavanja žarenjem``	Svetlana Nestorović, Desimir Marković, Dragoslav Gusković, Ljubica Ivanić, Svetlana Ivanov, Ivana Marković, Saša Marjanović, Vesna Grekulović, Bata Marjanović	TR	34003 (192/275)	Tehnički fakultet u Boru	Desimir Marković
21.	``Razvoj ekoloških i energetskih efikasnijih tehnologija za proizvodnju obojenih i plemenitih metala kombinacijom bioluženja, solventne ekstrakcije i elektrolitičke rafinacije``	Svetlana Ivanov	TR	34004 (257/275)	Institut za rударство и металургију Бор Tehnički fakultet u Boru	Vesna Conić
22.	``Istraživanje i praćenje promena naponsko – deformacionog stanja u stenskom masivu ``IN SITU'' oko podzemnih prostorija sa izradom modela sa posebnim osvrtom na tunel kriveljske reke i Jame Bor``	Vitomir Milić	TR	33021 (265/275)	Institut za rударство и металургију Бор Tehnički fakultet u Boru	Milenko Ljubojev
23.	``Problemi nelinearne analize, teorije operato-ra, topologije i primene``	Darko Kocev	OI	174025 (197/395)	Prirodno matematički fakultet u Nišu Tehnički fakultet u Boru	Vladimir Rakočević
24.	“Usavršavanje tehnologije eksploracije i prerade rude bakra sa monitoringom životne i radne sredine u RTB Bor-Grupa“	Radoje Pantović, Nenad Vušović, Vitomir Milić, Miodrag Žikić, Radmilo Nikolić, Rodoljub Stanojlović, Snežana Šerbuša, Miodrag Denić, Miodrag Banješević, Saša Stojadinović, Igor Svrkota, Jovica Sokolović, Dejan Petrović, Ana Ilić, Tanja Kalinović, Jelena Strojić	TR	33038 (208/275)	Tehnički fakultet u Boru	Nenad Vušović
25.	„Istraživanje mogućnosti primene AT (Advanced technology) viseće podgrade u rudnicima u cilju povećanja bezbednosti rada i efikasnosti proizvodnje“	Miodrag Denić	TR	33025 (23/275)	Rudarsko-geološki fakultet u Beogradu Tehnički fakultet u Boru	Vojin Čokorilo
26.	„Održivost identiteta Srba i nacionalnih manjina u pograničnim opštinama Istočne i Jugoistočne Srbije ,“	Milovan Vuković, Danijela Voza	OI	179013 (131/395)	Mašinski fakultet u Nišu Tehnički	Dragoljub Đorđević

					fakultet u Boru	
27.	Razvoj tehnologije za reciklažu plemenitih, retkih i pratećih metala iz čvrstog otpada Srbije do visokokvalitetnih proizvoda	Milan Gorgievski	TR	34024	IRM Bor	Vlastimir Trujić

Prilog 4.

SPISAK MEĐUNARODNIH PROJEKATA NA KOJIMA SU 2016. GODINE UČESTVOVALI ISTRAŽIVAČI SA TEHNIČKOG FAKULTETA U BORU

1. 54622398 DAAD Academic Reconstruction South Eastern Europe programme: **Resita Network - Innovation and Entrepreneurship**, 2008-2016.
2. JST SATREPS project: **Research on the Integration System of Spatial Environment Analyses and Advanced Metal Recovery to Ensure Sustainable Resource Development, 2014-2019**. Institucije učesnice na projektu: (Japan) - Center for Geo-environmental Science (CGES), Akita University; International Center for Research and Education on Mineral and Energy Resources (ICREMER), Akita University; Faculty of International Resource Science; Graduate School of Engineering and Resources Science, Akita University; Japan Space Systems (J-spacesystems) i Mitsui Mineral Development Engineering Co., Ltd. (MINDECO), (Srbija) – IRM Bor, TF Bor, Ministarstvo rударства i energetike i Ministarstvo poljoprivrede i zaštite životne sredine. Kordinator projekta sa TF Bor: Prof. dr Grozdanka Bogdanović. Saradnici na projektu sa TF Bor: Prof. dr Milan Antonijević, Prof. dr Dragana Živković, Prof. dr Milan Trumić, Prof. dr Nada Štrbac, Prof. dr Snežana Milić, Doc. Dr Milan Radovanović, Doc. Dr Jovica Sokolović, Doc.dr Saša Stojadinović, Doc. dr Milan Gorgjevski, Doc.dr Ljubiša Balanović, Doc.dr Aleksandra Mitovski, Doc.dr Vesna Fajnišević, Doc.dr Marija Petrović, Doc.dr Tanja Petrović Ass., Ana Radojevic, Ass. Žaklina Tasić i Ass.Boban Spalović
3. Istraživački projekat Hrvatske zaklade za znanost: **Dizajniranje mikrostrukture i funkcionalnih svojstava legura s prisjetljivosti oblika na bazi bakra - multilateralni projekat Metalurškog fakulteta u Sisku Sveučilišta u Zagrebu (Hrvatska), Kemijsko-tehnološkog fakulteta Split Sveučilišta u Splitu (Hrvatska), Fakulteta za strojništvo (Institut za tehnologiju materialov) Univerze v Mariboru (Slovenija), Naravoslovno-tehniške fakultete Univerze u Ljubljani (Slovenija), Tehničkog fakulteta u Boru Univerziteta u Beogradu (Srbija), i Fakulteta za metalurgiju i materijale Univerziteta u Zenici, 2015-2019.** Rukovodilac projekta: Prof. dr Mirko Gojić (MF Sisak), saradnici na projektu: Prof. dr Ladislav Vrsalović (KTF Split), Prof. dr Borut Kosec (NTF Ljubljana), Prof. dr Ivan Anžel (FS-ITM Maribor), Prof. dr Dragana Živković (TF Bor), Prof. dr Stjepan Kožuh, Prof. dr Robert Pezer, Doc. dr Tamara Holjevac Grgurić (MF Sisak)
4. Projekat mobilnosti studenata, nastavnog i nenastavnog osoblja u okviru programa "ERASMUS +" ključne akcije 1 mobilnost studenata, nastavnog i nenastavnog osoblja: **Key Action 1-Mobility for learners and Staff Mobility– Higher Education Student and Staff Mobility**". Realizatori projekta: Univerzitet u Beogradu, Tehnički fakultet u Boru, Bor, Srbija i Obuda University Budapest, Keleti Faculty of Business and Management, Budimpešta, Madjarska. Rukovodioci projekta: Dr Maroc Ildico (Keleti Faculty of Business and Management, Budimpešta) i Prof. dr Ivan Mihajlović (TF Bor), 2015-2016. Oblast razmene [ISCED 2013]: 0411 Management, Business Administration, Economics.
5. Projekat mobilnosti studenata, nastavnog i nenastavnog osoblja u okviru programa "ERASMUS +" ključne akcije 1 mobilnost studenata, nastavnog i nenastavnog osoblja: **Key Action 1-Mobility for learners and Staff Mobility– Higher Education Student and Staff Mobility**". Realizatori projekta: University of Eastern Finland (Finska), Joensuu Campus, Scool of Forest Sciences i Univerzitet u Beogradu, Tehnički fakultet u Boru, Bor, Srbija. Rukovodioci projekta: Professor Jyrki Kangas, Mr. Markku Ropo i Ms.Kirsi Karjaianen, University of Eastern Finland (Finska) i prof.dr Ivan Mihajlović

(TF Bor), 2016. - 2017. Oblast razmene [ISCED 2013]: 0411 Management, Business Administration, Economics.

6. Program bilateralne saradnje Srbije i Hrvatske: **Development and characterization of innovative shape memory alloys in the Cu-Al-Mn-Me (Me = Ag, Au, Ce) system, projekat Metalurškog fakulteta u Sisku , Sveučilišta u Zagrebu (Hrvatska) i Tehničkog fakulteta u Boru Univerziteta u Beogradu (Srbija), 2016-2017.**. Rukovodioci projekta: Doc.dr Tamara Holjevac Grgurić (MF Sisak), Prof. dr Dragana Živković (TF Bor), Saradnici na projektu sa TF Bor: Prof. dr Dragan Manasijević, Prof. dr Nada Šrbac, Doc.dr Ljubiša Balanović, Doc.dr Aleksandra Mitovski, Uroš Stamenković.

7. Program naučne i tehnološke saradnje Srbije i Crne Gore: **Ispitivanje termičkih, strukturnih i mehaničkih visokolegiranih alatnih čelika, 2016-2018**. Rukovodioci projekta: Prof. dr Dragana Živković (TF Bor) i Prof. dr Žarko Radović (MTF Podgorica). Saradnici na projektu sa TF Bor: Prof. dr Nada Šrbac, Prof. dr Dragan Manasijević, Doc.dr Ljubiša Balanović, Doc.dr Aleksandra Mitovski, Doc.dr Milan Gorgievski.

8. Projekat 11540386 “**Environmental awareness as a universal European Value**” finansiran od strane Internacionarnog Visegrad fonda. Organizacija kordinator projekta: Univerzitet u Beogradu, Tehnički fakultet u Boru. Rukovodilac projekta Prof.dr Ivan Mihajlović. Saradnici na projektu sa TF Bor: I. Milošević, D. Voza, D. Durkalić

9. Projekat: Višegrad Standard grant No 21520171 “**Quality makes a difference**” (2016) finasiran od strane Internacionarnog Višegrad fonda. Organizacija kordinator projekta: Częstochowa University of Technology, Politechnika, Czestochowska; Rukovodilac projekta Prof.dr Renata Stasiak-Betlejewska. Saradnik na projektu sa TF Bor: Prof. Dr I. Mihajlović

Prilog 5.

SPISAK PROJEKATA IZ OKVIRA SARADNJE SA PRIVREDOM NA KOJIMA SU 2016. GODINE UČESTVOVALI ISTRAŽIVAČI SA TEHNIČKOG FAKULTETA U BORU

Projekti, studije, elaborati

Tehničke kontrole projekata

1. M. Žikić, R. Pantović, M. Trumić, S. Stojadinović, D. Petrović, S. Božović, R. Nikolić: Tehnička kontrola projekta "Glavni rudarski projekat površinske eksploatacije krečnjaka za proizvodnju cementa i tehničko grašavinskog kamena na ležištu "ČOKOĆE" Novi Popovac", 2016, period:2014 - 2016
- 2.R.Pantović: Tehnička kontrola „Operativnog plana proizvodnje rudnika krečnjaka Plana“ za 2016, 2016.
3. V. Milić: Tehnička kontrola „Tehničkog rudarskog projekta izrade jamskih prostorija TN-1, ETH-(-70), TN-2, BH-1, EBX-(-70), (BN-2) II faze otvaranja I horizonta Istočno polje RMU Soko“, 2016
- 4.. V.Milić, Tehnička kontrola „ Tehničkog rudarskog projekta otvaranja i osnovne pripreme preostalih rezervi uglja u OP-4, istočno od VH-(-105) i TH-(-114) u Jami RMU“Soko“ Soko Banja, 2016
5. V.Milić, Tehnička kontrola „Tehničkog rudarskog projekta stabilnosti ventilacionog sistema jame „Strmosten“ RMU Rembas- Resavica, 2016
6. M.Trumić, N.Magdalinović, M.Žikić, D.Milošević, D.Pešić, D.Marković, Tehnička kontrola “Dopunskog rudarskog projekta Pilot postrojenja za tehnološko ispitivanje flotacijske prerade Cu-Pb-Zn rude ležišta Podvirovi i Popovica na području Karamanice“, 2016

Prilog 6.

OSTALE AKTIVNOSTI U OBLASTI NIR-A NA TEHNIČKOM FAKULTETU U BORU U 2016. GODINI

1. Izdavanje časopisa:

TF Bor izdaje četiri naučna časopisa: *Journal of Mining and Metallurgy, Section A: Mining* (JMM-A); *Journal of Mining and Metallurgy, Section B: Metallurgy* (JMM-B) (*Journal of Mining and Metallurgy* se od 1997. godine štampa kao međunarodni časopis sa internacionalnim uređivačkim odborom), *Serbian Journal of Management (SJM)* (štampa se od 2006. godine kao međunarodni časopis) i *Reciklaža i održivi razvoj* (štampa se od 2008. godine kao nacionalni časopis). Svi časopisi, izuzev ROR, finansirani su od strane MPNTR RS.

Slede podaci o aktuelnom pozicioniranju časopisa koje publikuje TF Bor tokom prethodne godine (prema <http://www.mpn.gov.rs/predlog-kategorizacije-casopisa-za-2014-godinu/>):

- **JMM - Section A: Mining** - svrstan je u kategoriju **M24** (prema kategorizaciji domaćih naučnih časopisa za energetiku, rudarstvo i energetske efikasnosti)
- **JMM - Section B: Metallurgy** - svrstan je u kategoriju **M22** (2014.god) IF(2014)=0,832 i mesto 34/74 u oblasti Metallurgical Engineering, kao i petogodišnji IF(2009-2014)=0,863 i mesto 31/74 u pomenutoj oblasti
- **Serbian Journal of Management**- svrstan je u kategoriju **M24** (prema kategorizaciji domaćih naučnih časopisa za uredjenje, zaštitu i korišćenje voda, zemljišta i vazduha) i u kategoriju **M51** (prema kategorizaciji domaćih naučnih časopisa u oblasti ekonomija i organizacione nauke)
- **Reciklaža i održivi razvoj**- svrstan je u kategoriju **M52** (prema kategorizaciji domaćih naučnih časopisa u oblasti materijala i hemijskih tehnologija i prema kategorizaciji domaćih naučnih časopisa za uredjenje, zaštitu i korišćenje voda, zemljišta i vazduha) i **M53** (prema kategorizaciji domaćih naučnih časopisa u oblasti energetike, rudarstva i energetske efikasnosti)

Od 2016.godine Tehnički fakultet izdaje i prvi studenski časopis **“Engineering Management”**.

2. Organizacija naučnih skupova:

- a. **XIV International Conference Ecological Truth (Eco-Ist 2016)**, Vrnjačka Banja, 12-16. jun 2016 . Organizator: TF Bor; saorganizatori: Univerzitet u Zagrebu Metalurški fakultet Sisak; Univerzitet u Banja Luci, Tehnološki fakultet Banja Luka; Univerzitet "Dimitrie Cantemir" Fakultet za menadžment i trgovinu Temišvar; Univerzitet u Prištini, Fakultet tehničkih nauka Kosovska Mitrovica; Zavod za zaštitu prirode Srbije i Društvo mladih istraživača Bor; skup je finansiran od strane MPNTR RS (predsednik Org.odbora Prof.dr R.Pantović).
- b. **11th International May Conference on Strategic Management (IMCSM2016), Bor, 28-30. maj 2016.** – organizator je TF Bor, (predsednik Org.odbora Doc. dr P.Djordjević).

- c. **XI International Symposium on Recycling Technologies and Sustainable Development (ISRTSD2016), Bor, 4-7 novembar 2016.** – organizator je TF Bor, (predsednik org.odbora Doc. dr Z.Širbanović)
- d. **48th International October Conference on Mining and Metallurgy (IOC2016), Bor,** 28.septembar-1. oktobar 2016. organizatori: TF Bor i IRM Bor; skup je finansiran od strane MPNTR RS (predsednik Org.odbora dr N.Šrbac).
- e. **6th International Symposium on Environmental and Materials Flow Management (EMFM2015), Bor, 2-4. oktobar 2016.** – organizator je TF Bor, suorganizatori: Mašinski fakultet Univerziteta u Zenici (BiH) i Birkefeld Campus University of Applied Sciencec Trier (Germany) (predsednik Org.odbora Prof. dr Đ.Nikolić)

U okviru skupova – IMCSM i ISRTSD nastavljeno je sa organizacijom odgovarajućih studentskih simpozijuma : **Studenski simpozijum o strategijskom menadžmentu** (predsednik Org.odbora MSc Ivica Nikolić) i **5.Studenski simpozijum “Recklažne tehnologije i održivi razvoj”** (predsednik Org.odbora Doc. dr Z.Širbanović). U okviru 48th organizovan je **3nd International student conference on Geology, Mining, Metallurgy, Chemical engineering, Material Science and related fields, ISC2016** (predsednik Org.odbora Doc. dr Ljubiša Balanović).

3. Potpisani bilateralni sporazumi sa fakultetima u inostranstvu i ugovori sa institucijama iz inostranstva, šk. 2015/16. godini:

- Faculty of Chemistry, University Paisii Hilendarski, Plovdiv, Bulgaria
- Tehnološko-metalurški fakultet, Univerzitet “S.Čirilo i Metodije” u Skoplju, Makedonija
- Faculty of Metallurgy, Technical University of Košice, Slovakia
- Fakultet za metalurgiju i materijale, Univerzitet u Zenici, BiH
- Faculty of Mining, University of Mining and Geology “St. Ivan Rilski”, Sofia, Bulgaria
- University of chemical technology and metallurgy, Sofia, Bulgaria
- Naravoslovno-tehniška fakulteta Ljubljana, Univerze v Ljubljani, Slovenija
- Metalurški fakultet u Sisku, Sveučilište u Zagrebu, Hrvatska
- Fakultet kemijskog inženjerstva i tehnologije Sveučilišta u Zagrebu, Hrvatska
- Faculty of Natural and Technical Sciences, University of Štip, Macedonia
- Faculty of Technical Sciences, University Eftimie Murgu, Resita, Romania
- Tehnološki fakultet, Univerzitet u Banjoj Luci, Republika Srpska - BiH
- Tehnološki fakultet u Zvorniku, Univerzitet u Istočnom Sarajevu, Republika Srpska - BiH
- Metalurško-tehnološki fakultet Podgorica, Univerzitet Crne Gore, Crna Gora
- Rudarski fakultet u Prijedoru, Univerzitet u Banjoj Luci, Republika Srpska - BiH
- Ekonomski fakultet, Univerzitet u Zenici, BiH
- Faculty of Economy, University Eftimie Murgu, Resita, Romania
- Faculty of Engineering and Management, University Eftimie Murgu, Resita, Romania
- Faculty of Science an Forestryof the University of Easteia Finland, Joensuu and Kuopio, Finland

- University American College Skopje, Macedonia
- Akita University, Akita, Japan
- Fakulta socialnych vied Univerziteta sv. Cyrila a Metoda v Trnave, Trnava
- International Visegrad Fund, Bratislava, Slovakia
- Institut of Higher Education The Russian Presidential Academy of National Economy and Public Administration “RANEPA”, Rusia
- The Faculty of Electronics of National Technical University of Ukraine „Kiev Polytechnic Institute”
- Faculty of Mechanical and Safety Engineering University OBUDA, Budapest
- University of Zadar, Zadar, Croatia
- University of Chemical technology and metallurgy, Sofia, Bulgaria

4. Potpisani ugovori o bilateralnoj saradnji sa fakultetima i institucijama iz Srbije, šk. 2015/16. godini:

- Institut za rударство и металургију у Бору
- Рударско-геолошки факултет у Београду, Универзитет у Београду
- Технолошко-металуршки факултет у Београду, Универзитет у Београду
- Технолошки факултет у Новом Саду, Универзитет у Новом Саду
- Факултет техничких наука у Новом Саду, Универзитет у Новом Саду
- Факултет техничких наука у Косовској Митровици, Универзитет у Приштини
- Технолошки факултет у Лесковцу, Универзитет у Нишу
- Институт за безбедност, квалитет и заштиту животне средине и здравља” 27.јануар” Ниш
- Министарство за рад, запошљавање, бораčка и социјална питања, Београд
- Техничка школа Бор

5. Учење у академским и другим мрежама; Мобилност студената и наставног кадра

a. Associated Phase Diagram and Thermodynamics Committee

Још од 1999. године, наставници и сарадници ТФ Бор активно учествују у раду ове научне организације, која окупља научнике из области термодинамике и прорачуна faznih dijagrama. Поред наših научника, у овом комитету су и колеге из Полске (AGH Krakov, Institut za proučavanje materijala pri Poljskoj akademiji nauka Krakov), Чешке (Masarikov Univerzitet Brno i Institut za fiziku iz Brna), Slovačka (Fakultet za metalurgiju i materijale iz Košica), Мађарске (Metalurški факултет Univerziteta u Miškolcu), Румуније (Institut za физичку хемију Bukurešt), Бугарске (Departman za hemiju Univerziteta u Plovdivu), Словеније (NTF Ljubljana), Хрватске (Metalurški факултет Sisak), BiH (Fakultet za metalurgiju i materijale Zenica).

b. Resita Network on Entrepreneurship and Innovation

Од 2008. године, Tehnički fakultet u Boru je, kao predstavnik Univerziteta u Beogradu, član Resita Network on Entrepreneurship and Innovation, u čijem sastavu su i sledeći univerziteti: University of applied sciences Wormes, Germany; University of Trier, Germany; University of Salzburg, Austria; GEA College Ljubljana, Slovenia; University of Zenica, BiH; University Eftimie Murgu Resita, Romania; University of Rousse, Bulgaria; University of Bucharest, Romania; University of Montenegro Podgorica, Montenegro; Politechnical University Timisoara, Romania, Open American

College Skopje, Macedonia, University of Tirana, Albania. U okviru ove mreže tokom 2016. godine organizovan je značajan broj aktivnosti – letnja akademija, razmena studenata i profesora.

Izmedju ostalog, 2. do 6. oktobra. u Boru organizovana je internacionalna škola za PhD i master studente: „Ekološko preduzetništvo: Upravljanje inovacijama za tehničko – tehnološke proizvode i intelektualno vlasništvo”. Na ovoj školi su, pored studenata Odseka za menadžment, Tehničkog fakulteta u Boru učestvovali i studenti iz Makedonije, Crne Gore, Bugarske i Srbije. Ova letnja škola je po prvi put bila otvorena i za učešće studenata van navedene akademske mreže, tako da su učestvovali i studenti iz Mađarske. Predavači su bili Prof. dr Michael Graef sa univerziteta Worms u Nemačkoj, Makedonka Dimitrova sa Univerziteta American College iz Skoplja, Makedonija, Prof. dr kao Ivan Mihajlović, prof. dr Đorđe Nikolić sa Odseka za menadžment, Tehničkog fakulteta u Boru i prof. dr Adrian Tantau.

c. MET-NET mreža

Od 2008. godine, TF Bor je i član MET-NET mreže metalurških fakulteta, čije su članice svi metalurški fakulteti iz regiona – Slovenije, Hrvatske, BiH, Crne Gore, Makedonije, Slovačke, a očekuje se i širenje mreže članovima iz Poljske, Grčke, Bugarske, Rumunije, Turske, Albanije. Tokom 2016. godine, održano je nekoliko radnih sastanaka i bilateralnih poseta, ostvarena je saradnja kroz zajednički organizovane NIR aktivnosti i projekte (bilaterlani projekat sa Slovenijom, Hrvatskom i Crna Gorom).

d. EURAXESS Services mreža

Potpisivanjem Deklaracije o privrženosti EURAXESS Service mreži i Deklaracije o privrženosti održavanju EURAXESS Jobs portal-a, TF Bor je od 2010. godine deo Nacionalne EURAXESS mreže (www.euraxess.rs) koja brine o mobilnosti istraživača i time se priključila evropskom istraživačkom prostoru.

e. Nacionalna mreža tehnoloških brokera:

U okviru EU programa integrisane podrške inovacijama, razvijena je nacionalna mreža tehnoloških brokera, sa ciljem daljeg unapređenja podrške MSP Sektoru. TF Bor je od 2013. godine deo i ove nacionalne mreže, koju čini 11 fakulteta i naučno-istraživačkih institucija iz Srbije.

f. Mobilnost u okviru programa "ERASMUS +" ključne akcije 1- mobilnost studenata, nastavnog i nenastavnog osoblja

Student osnovnih akademskih studija Ivana Veličkovska i student master studija Jelena Jovkić, Odseka za menadžment, Tehničkog fakulteta u Boru, boravile su u okviru ostvarivanja dela studijskog programa (prolećni semestar 2016. godine) na Keleti Faculty of Business and Management, Óbuda University). Studenti Maja Stanujkić i Ivana Veličkovska, studenti osnovnih i master akademskih studija, Odseka za menadžment, Tehničkog fakulteta u Boru borave u okviru ostvarivanja dela studijskog programa (jesenji semestar 2016. godine) na University of Eastern Finland (Finska).

U Okviru "ERASMUS +" projekta: „Key Action 1 održano je više predavanja: predavanje prof.dr Andras Keszthelyi sa Obuda Univerziteta iz Budimpešte, Keleti fakultet za biznis i menadžment na Tehničkom fakultetu u Boru, predavanja prof. dr Kornelia Lazani sa Obuda univerziteta iz Budimpešte; dr Ildiko Marosi, sa Obuda Univerziteta u Budimpešti i prof. dr Ilijana Petrovska sa UACS univerziteta iz Skoplja..

g. Aktivnosti i mobilnost u okviru medjunarodnog projekta JST SATREPS (Japan)

U okviru SATREPS projekta treba posebno pomenuti posetu nastavnika i studenata sa Fakulteta za istraživanje internacionalnih resursa (Faculty of International Resource Sciences), Akita

Univerziteta iz Japana Tehničkom fakultetu u Boru. Za studente osnovnih studija iz Japana su na TF u Boru odžana predavanja nastavnika Doc. dr Jovica Sokolović, Doc. dr Ljubiša Balanović, Doc.dr Milan Radovanović i MSc Tanja Petrović sa Tehničkog fakulteta u Boru.

Zajednička terenska istraživanja devet studenata osnovnih studija sa Fakulteta za istraživanje internacionalnih resursa (Faculty of International Resource Sciences), Akita Univerziteta iz Japana i četiri studenata Tehničkog fakulteta u Boru u oblasti životne sredine (Bor i Majdanpek) u okviru medjunarodnog projekta JST SATREPS "Research on the Integration System of Spatial Environment Analyses and Advanced Metal Recovery to Ensure Sustainable Resource Development". Mentor. prof. dr Daizo Ischiama, Japan;

U periodu od 13.do 24.februara 2016.god., prof. Dr Grozdanka Bogdanović je u okviru SATREPS projekta boravila na Akita University, Faculty of International Resource Sciences, Japan.

6. Promocija i popularizacija nauke:

Tokom 2016. godine, TF Bor je nastavio sa svojim tradicionalnim aktivnostima u okviru promocije i popularizacije nauke.

- **Treća Borska noć istraživača "BONIS 2016"** održana 30. 09. 2016. u prostorijama Studentskog centra Bor. Organizatori i realizatori: Tehnički fakultet u Boru, Studentski centar Bor, OŠ "3.oktobar" Bor, OŠ "Stanoje Miljković" Brestovac, Tehnička škola Bor, Ekonomsko-trgovinska škola Bor, Gimnazija "Bora Stanković" Bor, Društvo mlađih istraživača Bor (Učesnici sa TF Bor: A. Mitovski, V. Grekulović, I. Marković, Lj. Balanović, M. Gorgievski, U. Stamenković, M. Radovanović, Ž. Tasić, D. Medić, B. Spalović)
- **Peti festival nauke Karavan nauke Timočki Naučni Tornado "TNT 16"**, održan 5. 11. 2015. u OŠ "3.oktobar" u Boru. Organizatori: Tehnički fakultet u Boru, OŠ "3.oktobar" Bor, Društvo mlađih istraživača Bur i Tehnička škola u Boru. Projekat je finansijski podržan od strane MPNTR Republike Srbije. (Učesnici sa TF Bor: A. Mitovski, I. Marković, V. Grekulović, M.Radovanović, Ž.Tasić, D.Medić, Lj. Balanović, M. Gorgievski, U. Stamenković, S.Stojadinović, S. Stojadinović, P.Djordjević, S. Arsić).
- **Treći festival nauke TNT Zaječar "TNT 16"**, 25. 11. 2016. održan u OŠ "Desanka Maksimović" u Zaječaru. Organizatori: Tehnički fakultet u Boru, OŠ Desanka Maksimović, Tehnički škola u Boru, Društvo mlađih istraživača Bur, Fondacija"Dr.Berislav Ristić" (Učesnici sa TF Bor: A. Mitovski, V. Grekulović, Lj. Balanović, M. Gorgievski, M. Radovanović, Ž. Tasić, J. Sokolović, M.Bošković, S.Božinović).
- **Drugi festival nauke TNT Negotin "TNT 16"**, 24. 12. 2016. održan u OŠ "Vuk Karadžić" u Negotinu. Organizatori: Tehnički fakultet u Boru, OŠ "Vuk Karadžić" Negotin, Društvo mlađih istraživača Bor (Učesnici sa TF Bor: Lj. Balanović, M.Bosković, R.Ilic).
- U okviru proslave dana studenata Univerziteta u Beogradu (4.april 2016.godine) na Tehničkom fakultetu je ponovno pokrenuta tradicionalna manifestacija XIV "Skok preko kože" studenata Tehničkog fakulteta u Boru nakon više od dve decenije pauze.

7. Učešće TF Bor na sajmovima:

TF Bor je u prosloj godini imao i zapaženo učešće na četiri sajma, i to:

- 60.Međunarodni sajam tehnike i tehničkih dostignuća u Beogradu, 16. do 20. maja 2016.god.

- 13.Medjunarodni sajam obrazovanja - EDUfair u Beogradu, 11-12.marta 2016.god.
- 9.Sajam obrazovanja Zvonce (26. oktobra do 30.oktobar 2016.), koji je održan u okviru 60. Međunarodnog sajma knjiga u Beogradu

8.Studijski boravci ili posete univerzitetima iz inostranstva

Prof. dr Dragan Manasijević, Doc dr.Ljubiša Balanović, naučni skup, Bukurešt, Rumunija

Prof. Dr Grozdanka Bogdanović, Boravak na Akita Universitety, Faculty of International Resource Sciences, Japan

Prof. dr Ivan Mihajlović, Ass. Sanela Arsić - sastanak/radionica Rešica mreža – Esen, Nemačka

Ass. Danijela Durkalić, stručno usavršavanje, Worms (Nemačka) - Rešica mreža

Prof. dr Ivan Mihajlović, Prof. dr Đorđe Nikolić - sastanak/radionica Podgorica (Crna Gora) - Rešica mreža, naučni skup; Obuda Univerzitet, keleti fakultet za biznis i menadžment, Budimpešta, Madjarska

Prof. dr Ivan Mihajlović, Ass. Sanela Arsić, Anđelka Stojanović, sastanak/radionica Ruse (Bugarska) - Rešica mreža

Prof. dr Ivan Mihajlović, naučni skup, Zadar (Hrvatska) -Višegrad projekat

Prof. dr Ivan Mihajlović, Ass. Sanela Arsić, Anđelka Stojanović, sastanak/radionica Tirana (Albanija) - Rešica mreža

Prof. dr Ivan Mihajlović, Skoplje (Makedonija) – naučno-stručni skup

Prof. dr Živan Živković, naučni skup, Ohrid, Makedonija

Prof. dr Zoran Marković, naučni skup, Temišvar, Rumunija

Prof. dr Dragan Manasijević, Doc dr.Ljubiša Balanović, boravak u okviru bilateralnog projekta na Univerzitet u Zagrebu, MF Sisak(Hrvatska)

Doc. dr Darko Brodić, naučni skup, Gabrovo, Bugarska

Doc. Dr Ivana Stanišev, Naučni skup, Beč, Austrija

10. Studijski boravci ili posete sa drugih univerziteta iz inostranstva

Fakultet je posetio značajan broj kolega sa inostranim univerzitetima – pored poseta u okviru aktivnosti u akademskim mrežama i medjunarodnim projektima – to su bili pr prof. dr D. Ischiama i prof dr N.Masuda sa Akita Univerziteta, Japan; Prof. dr Jakob Lamut sa NTF Ljubljana, Slovenija; Prof. dr Ilhan Bušatlić, FAMM Zenica, BiH; Doc. dr Natalija Dolić i Doc. dr Tamara Holjevac Grgurić sa Metalurškog fakulteta u Sisku, Hrvatska; doc.dr Iveta Vaskova sa Fakulteta za metalurgiju i prof. dr.ing.Tomas Havlik, sa Instituta-Odeljenje tehnologija za reciklažu Tehničkog Univerziteta u Košicama (Slovačka).

U okviru medjunarodne saradnje Fakultet su posetili nastavnici i studenati Rudarsko geološko-gradevinskog fakulteta iz Tuzle (http://www.tfbor.bg.ac.rs/aktuelnosti/2016/maj/RGGF_Tuzla.php) i nastavnici i studenati sa Fakulteta za metalurgiju i materijale iz Zenice (<http://www.tfbor.bg.ac.rs/aktuelnosti/2016/maj/Zenica.php>).

11. Prezentacije i predavanja:

U organizaciji Društva za obnovljive izvore električne energije (DOIEE) Saveza mašinskih i elektrotehničkih inženjera i tehničara Srbije (SMEITS) na Tehničkom fakultetu u Boru je 25.marta 2016.godine održan seminar Obnovljivi Izvori energije.

(<http://www.tfbor.bg.ac.rs/aktuelnosti/2016/mart/oiee.php>).

Predavanja kompanije OSA računarski inženjering u organizaciji Inženjerske komore Srbije (7.jun 2016.godine). (http://www.tfbor.bg.ac.rs/aktuelnosti/2016/jun/predavanje_inz_komora.php)

Dr Daizo Išijama i Dr Nobuyuki Masuda- prezentacija projekta „Research on the Integration System of Spatial Environment Analyses and Advanced Metal Recovery to Ensure Sustainable Resource Development“(5.maj 2016.godine).

(<http://www.tfbor.bg.ac.rs/aktuelnosti/2016/maj/satrepes.php>).

Predstavnici CYTEC SOLVAY ACORGA – Owen Tinkler, direktor novih rudnika Phoenix-a, USA, Cyril Bourget, direktor proizvoda za ekstrakciju metala iz Francuske, su u okviru posete Tehničkom fakultetu u Boru, 23. juna 2016. godine održali predavanje iz oblasti hidrometalurške proizvodnje bakra i razvoja nove generacije ekstragenasa.

(<http://www.tfbor.bg.ac.rs/aktuelnosti/2016/jun/cytec.php>).

Udruženje studenata tehnike Evrope-BEST Beograd i kompanija CRH Srbija- Prezentacija programa zapošljavanja „Talent Pool 2016 – Izgradi svoju budućnost“(25.april 2016.godine). (<http://www.tfbor.bg.ac.rs/aktuelnosti/2016/april/talent.php>).