

Универзитет у Београду
Технички факултет у Бору
Број: VI/4-23-6
Бор, 26. 03. 2015. године

На основу чл. 47. Статута Техничког факултета у Бору, Наставно-научно веће Факултета, на седници одржаној 26. 03. 2015. године, донело је

ОДЛУКУ

I Усваја се Извештај Комисије за обезбеђење и унапређење квалитета о оцени НИР-а у 2014. години.

II Извештај Комисије за обезбеђење и унапређење квалитета о оцени НИР-а у 2014. години, саставни је део ове Одлуке.

Доставити:

- продекану за НИР
- пред. Ком. за обезбеђење и унапређење квалитета
- архиви

ПРЕДСЕДНИК
НАСТАВНО-НАУЧНОГ ВЕЋА



ДЕКАН

Проф. др Милан Антонијевић

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



GODIŠNJI IZVEŠTAJ O REZULTATIMA NIR-A

2014. godina

**Bor,
3. marta 2015.**

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

2014. godina

OSNOVNI PODACI

Izveštaj o radu u oblasti NIR-a i međunarodne saradnje na Tehničkom fakultetu u Boru za 2014. godinu obuhvata nekoliko segmenata:

- Spisak referenci nastavnika i saradnika Fakulteta (M10, M90)
- Spisak domaćih projekata na kojima su uključeni nastavnici i saradnici Fakulteta
- Spisak međunarodnih projekata na kojima su uključeni nastavnici i saradnici Fakulteta
- Spisak projekata sa privredom na kojima su uključeni nastavnici i saradnici sa Fakulteta
- Spisak tehničko-razvojnih rešenja (M80) ostvarenih od strane nastavnika i saradnika sa Fakulteta
- Spisak ostalih aktivnosti Fakulteta od značaja za NIR & MS

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 2014. godine, predstavljenih u prilogu datom u produžetku ovog teksta, mogu se izvući **osnovni podaci**:

1. Publikovani radovi u međunarodnim časopisima kategorije M10+M20: **8+83=91 rad**
2. Publikovani radovi u nacionalnim časopisima kategorije M50: **39 radova**
3. Citiranost u 2014. godini: **145 radova citirano ukupno 318 puta**
4. Publikovane monografije, zbornici radova, udžbenici: **1** monografija međunarodnog značaja kategorije M14, **5** zbornika sa međunarodnih naučnih skupova kategorije M30, **1** monografija nacionalnog značaja, **2** zbornika sa skupova nacionalnog značaja kategorije M60 i **2** udžbenika
5. Saopšteni radovi na međunarodnim (M30) i nacionalnim (M60) skupovima: **161 + 34 = 195 radova**
6. Angažovanje na projektima:
 - 6.1. Međunarodni projekti: **10**
 - 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)
 - 6.3. Projekti za privredu + veštačenja: **7 + 1 = 8**

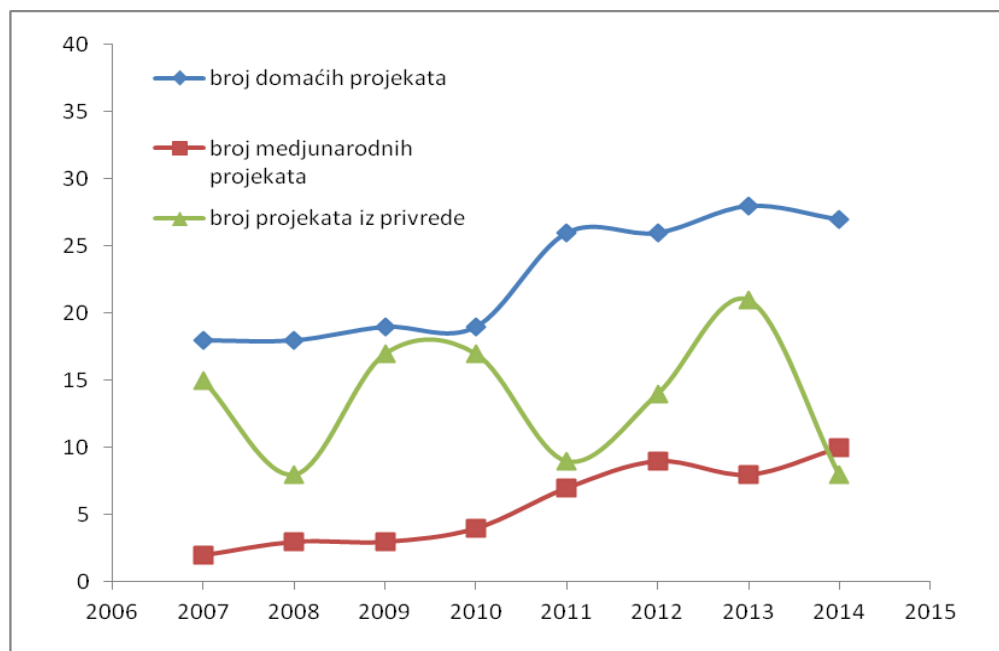
7. Tehničko-razvojna rešenja: 4 (2-M82 I 2-M83)

Zbirni prikaz rezultata NIR-a za 2014. godinu dat je u Tab. 1.

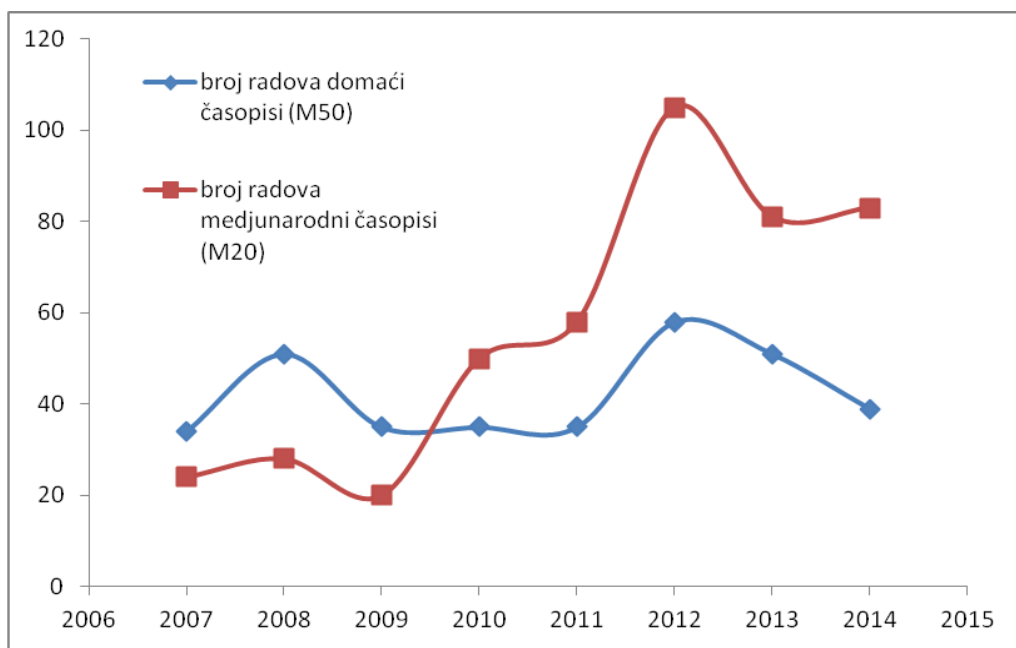
Tabela 1. Zbirni prikaz rezultata NIR & MS za UB, TFB – godina 2014.

NIR & MS rezultati 2014. PREGLED ZA UB, TF BOR		
Tip rezultata/kategorija prema MPN	Broj ostvarenih rezultata	UKUPNO
M13	1	M10 – 8
M14	7	
M21	14	M20 - 86
M22	15	
M23	35	
M24	19	
M28	3	
M31	3	M30 - 165
M33	126	
M34	32	
M36	4	
M41	1	M40 - 1
M51	20	M50 – 42
M52	12	
M53	7	
M55	1	
M56	2	
M61	3	M60 - 32
M63	24	
M64	2	
M66	3	
M71	1	M70 - 1
M82	2	M80 - 4
M83	2	
M92	1	M90 - 2
M93	1	
Udžbenici	2	2
Citiranost	145 radova citirano 318 puta	
Međunarodni projekti	10	
Projekti financirani od MPN RS	27	
Projekti financirani od privrede i ostali projekti	8	
Organizovani naučni skupovi	6 (5 međunarodnih i 1 nacionalni sa međunarodnim učešćem)	
Publikovani časopisi	4	

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



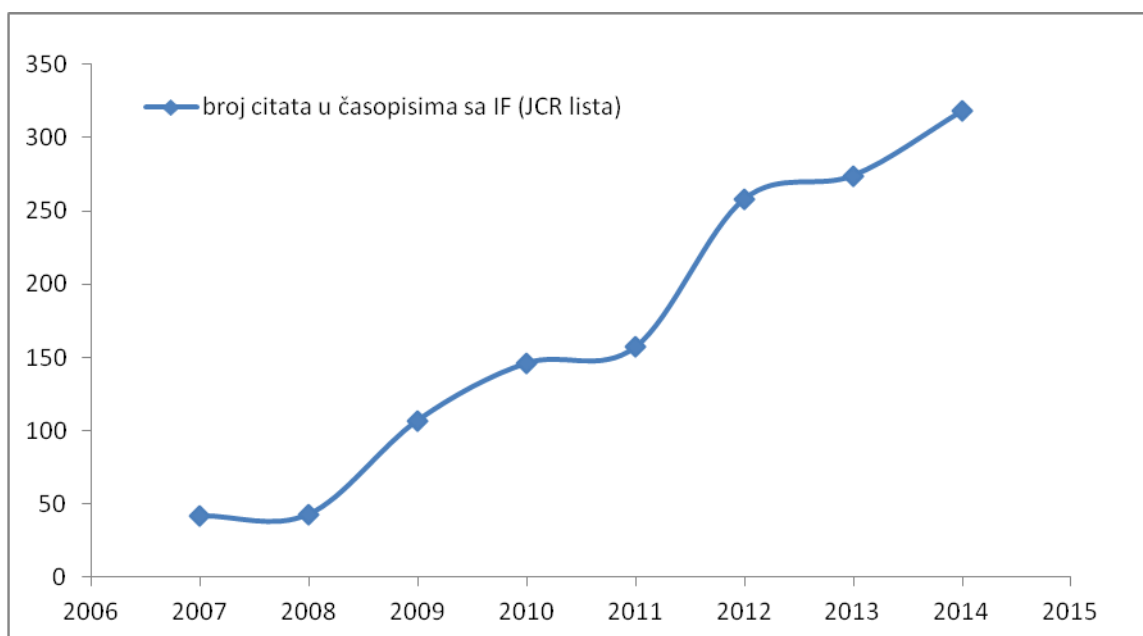
Sl.1. Komparativni prikaz broja projekata na TF Bor u periodu 2007. - 2014. god.



Sl.2. Komparativni prikaz broja radova (M20 i M50) na TF Bor u periodu 2007. - 2014. god.

Tabela 2. Komparativni prikaz broja rezultata kategorija M30, M60, M70, M80 i M90 u periodu 2010. - 2014. god.

Godina	2010.	2011.	2012.	2013.	2014.
broj saopštenja na medj.skupovima (M30)	107	179	161	174	165
broj saopštenja na dom.skupovima (M60)	68	79	70	44	32
broj MSc i Dr radova (M70)	9	1	8	8 (3+5)	1
broj tehničko-razvojnih rešenja (M80)	6	2	8	9	4
broj autorskih izložbi (M90)	-	-	-	1	1



Sl.3. Komparativni prikaz broja citata na JCR listi - TF Bor, period 2007. - 2014. god.

Radovi koje su publikovali nastavnici i saradnici TF Bor u 2014. godini objavljeni u časopisima M20 kategorije, pripadaju sledećim naučnim oblastima:

- 14 radova - Field: Metallurgy&Metallurgical Engineering
- 7 radova - Field: Environmental Sciences
- 6 radova - Field: Chemistry, Multidisciplinary
- 5 radova - Field: Materials Sceince, Multidisciplinary
- 4 rada - Field: Engineering, Chemical
- 3 rada – Field: Chemistry, Physical
- Field: Engineering, Electrical & Electronic
- 2 rada – Field: Mining & Mineral Processing
- Field: Physics, Condensed Matter
- Field: Mathematics
- Field: Physics, Multidisciplinary
- Field: Electrochemistry
- Field: Thermodynamics

1 rad - Field: Engineering, Environmental
 Field: Psychology, Multidisciplinary
 Field: Water Resources
 Field: Sociology
 Field: Engineering, Industrial
 Field: Computer Science, Artificial Intelligence
 Field: Mechanics
 Field: Computer Science, Software Engineering
 Field: Economics

Što se citiranosti tiče, uočava se povećana heterogenost citiranih autora, ali se i dalje izdvaja nekoliko istraživačkih grupa i pojedinaca u ukupnoj citiranosti za 2014. godinu, i to posebno: prof. dr Milan Antonijević – 29 radova citirano 107 puta (ukupni broj radova 67), prof. dr Dragana Živković – 42 rada citirana 73 puta (ukupni broj radova 189), i prof. dr Živan Živković – 25 radova citirano 45 puta (ukupni broj radova 147). (*Navedeni podaci se odnose na citiranost bez autocitata.*)

I ove godine se predstavljani ukupni rezultati aktivnosti iz oblasti NIR-a i MS-a mogu smatrati zadovoljavajućim imajući u vidu aktuelni trenutak i probleme u nauci u Srbiji danas. Međutim, u poredjenju sa prethodnim periodom, i uprkos znatno uvećanom broju podmladjenog kadra, uočava se blagi kvantitativni pad rezultata nakon 2012.godine, posebno u broju publikovanih radova kategorija M20 (2012.-97, 2013.-81 i 2014.-86) i M50 (2012.-58, 2013.-51, 2014.-42) (Sl.2.). U narednom periodu treba posebno insistirati na aktivnijem učešću svih istraživača sa TF Bor u ukupnom broju radova, a posebno mladih - asistenata, doktorskih studenata i docenata.

Vezano za tekući projektni ciklus kod MPNTR, i dalje su prisutni stalni materijalno-finansijski problemi, što je u izvesnoj meri otežalo adekvatno sprovođenje aktivnosti iz NIR-a prema ranije utvrdjenim planovima. Očekuje se da tokom 2015. godine konačno pristignu sav preostali materijal za rad i sitna oprema naručeni preko PIU-JUP-a, kako bi se projektni ciklus mogao uspešno privesti kraju. Treba napomenuti, da je od kapitalne opreme (vrednost aparata oko 70000EUR), iz okvira projekta OI172037, na TF Bor decembra 2014.godine stigao i aparat *Xenon Flash Thermal Constant Analyzer* za beskontaktno nedestruktivno ispitivanje termijske difuzivnosti i provodljivosti čvrstih i tečnih supstanci u širem temperaturnom opsegu.

Ono što posebno treba istaći, jeste činjenica da je tokom maja 2014.godine, iz okvira EU HETIP projekta, na Fakultet stiglo nekoliko komada kapitalne opreme u vrednosti od oko 600000 EUR: simultani diferencijalno-skenirajući kalorimetar sa termo-gravimetrijskom analizom – *DSC/TGA*, skenirajući elektronski mikroskop sa energetsko disperzivnim spektrometrom – *SEM-EDS*, induktivno udružen plazma-optički emisijski spektrometar *ICP-OES*, skenirajuće-sondni mikroskop – *SPM*, i elektrohemijska stanica. Ovo se može se smatrati najznačajnijom nabavkom savremene istraživačke opreme na TF Bor u poslednjih dvadesetak godina.

U oblasti saradnje sa privredom, u nesto manjoj meri u odnosu na prethodnu godinu, nastavljeno je sa studijama, elaboratima i tehničkim kontrolama rudarskih projekata. U odnosu na 2014. godinu, broj tehničkih i razvojnih rešenja je takodje smanjen. Od ostalih aktivnosti ovog tipa, treba posebno pomenuti tim u kome su učestvovali istraživači sa našeg fakulteta sa inovacijom

Eco Coal-Bio Briquette mašina - univerzalna mašina za briketiranje uglja, koji je postigao sjajan uspeh na takmičenju "Najbolja tehnološka inovacija 2014." i osvojio 8. mesto u ukupnom plasmanu od ukupno 132 prijavljena inovativna tima u Srbiji i Republici Srpskoj. (http://inovacija.org/index.php/sr-rs/?option=com_content&view=article&id=193)

TF Bor je i ove godine imao brojna dešavanja na planu međunarodne saradnje. Kao i svake godine, potpisani su bilateralni sporazumi i ugovori o poslovno-tehničkoj saradnji sa relevantnim visokoškolskim organizacijama, naučnim institutima i drugim ustanovama iz srodnih oblasti iz Srbije i inostranstva (opširije dato u prilogu), po prvi put su potpisani ugovori sa fakultetima iz Rusije i Slovačke, a potpisan je i ugovor sa Akita University, Japan u okviru novog zajedničkog projekta. Nastavljen je uspešan rad akademskih mreža u kojima je TF Bor aktivan partner (Resita Network, MetNet, EURAXESS mreža, Srpska nacionalna mreža tehnoloških brokera), posebno u okviru Rešica mreže. Kroz aktuelne međunarodne projekte i međunarodne skupove koje Fakultet organizuje, ostvareni su dalji značajni kontakti sa respektabilnim evropskim akademskim i naučnim institucijama, što stvara povoljnu klimu za razvoj daljih aktivnosti u smislu međunarodne razmene studenata i nastavnog osoblja. Beleži se značajan broj organizovanih poseta doktorskih studenata i nastavnika TF Bor partnerskim fakultetima u inostranstvu, kao i poseta i predavanja nastavnika sa inostranih univerziteta (Kanada, Nemačka, Slovenija, Bugarska, Slovačka, Austrija, Hrvatska, Kazahstan, Makedonija, Rumunija, BiH, Rusija, Velika Britanija, itd.) na TF Bor, među kojima i pojedinih svetski poznatih imena. Ovo je svakako pozitivan trend na Fakultetu koji i dalje treba podržavati i razvijati.

U oblasti izdavačke aktivnosti treba istaći da je štampan manji broj udžbeničke literature u odnosu na ranije godine, dok je po pitanju izdavanja časopisa stanje u 2014. godini sledeće:

- *JMM - Section A: Mining* - svrstan je u kategoriju M51 (prema kategorizaciji domaćih naučnih časopisa za energetiku, rudarstvo i energetske efikasnost)
- *JMM - Section B: Metallurgy* - svrstan je u kategoriju M21 (od 2010. godine); IF(2013)=1.135 i mesto 22/75 u oblasti Metallurgical Engineering, kao i petogodišnji IF(2008-2013)=1.008 i mesto 23/75 u pomenutoj oblasti, što, i pored zadržane pozicije u grupi vodećih međunarodnih časopisa, predstavlja blagi pad u odnosu na prethodnu godinu.
- *SJM* - svrstan je u kategoriju M24 (prema kategorizaciji domaćih naučnih časopisa za uređenje, zaštitu i korišćenje voda, zemljišta i vazduha), i
- *ROR* - svrstan je u kategoriju M52 (prema kategorizaciji domaćih naučnih časopisa za energetiku, rudarstvo i energetske efikasnost).

Tokom protekle godine, Fakultet je uspešno organizovao šest naučnih skupova (dato hronološki):

- *X International May Conference on Strategic Management - MCSM2014* (B.Jezero, maj 2014., predsednik Org.odбора – Prof.dr Ivan Mihajlović),
- *XXII International Scientific and Professional Meeting "Ecological Truth" ECO-IST 2014* (B.Jezero, jun 2014., predsednik Org.odбора – Prof.dr Radoje Pantović)
- *IX Simpozijum Reciklažne tehnologije i održivi razvoj - SRTOR2013* (Zaječar, septembar 2014., predsednik Org.odбора – Doc.dr Jovica Sokolović),
- *46th International October Conference on Mining and Metallurgy IOC 2014* (B.Jezero, oktobar 2014., predsednik Org.odбора – Prof.dr Nada Štrbac),

- 4th *International Symposium on Environmental and Materials Flow Management* – EMFM 2014 (B.Jezero, novembar 2014., predsednik Org.odbora – Doc.dr Djordje Nikolić)

U okviru skupova – IMCSM, EcoIst, SRTOR – nastavljeno je sa organizacijom odgovarajućih studentskih simpozijuma, a po prvi put u 2014. godini, pokrenut je u okviru IOC i 1st *International Student Conference on Mining, Metallurgy, Chemical Engineering, Material Science and related fields* (predsednik Org.odbora – Doc.dr Ljubiša Blanović). Treba napomenuti da su, pored generalnog sponzora MPNTR RS, organizaciju prošlogodišnjih skupova pomogle i firme Netzch, Rio Tinto, 3M, RTB Bor, Rakita Exploration doo. Bor, Avala Resources Ltd., SGS, Micromine, Jugoimpex, i drugi, sa kojima je ostvarena dobra saradnja.

U organizaciji TF Bor je održana i jedna studentska radionica u sklopu Resita Network (Borsko Jezero, maj 2014).

TF Bor je tokom 2014. godine imao i živu sajamsku aktivnost – beleži se zapaženo učešće na četiri sajma, i to na:

- 11. *Međunarodnom sajmu obrazovanja – EDUfair*, u Beogradu marta 2014. (koordinator: Prof. dr Snežana Milić)
- 58. *Međunarodnom sajmu tehnike i tehničkih dostignuća*, u Beogradu maja 2014. (koordinator: Prof. dr Nada Štrbac)
- 59. *Međunarodnom beogradskom sajmu knjiga*, u Beogradu oktobra 2014. (koordinator: Prof. dr Mirjana Rajčić Vujasinović)
- *Sajamska manifestacija “Zdravo, domaće, prirodno”* u organizaciji RPK Zaječar, oktobra 2014. (koordinator: Doc. dr Jovica Sokolović)

I tokom 2014. godine su nastavljene aktivnosti na TF Bor vezane za popularizaciju nauke kod mladih. Studenti, asistenti i nastavnici Fakulteta po treći put su bili organizatori (zajedno sa O.Š. Dušan Radović i Društvom mladih istraživača iz Bora) i učesnici 3. *Festivala nauke u Boru – Naučni tornado 2014*, novembra 2014. Dalje, po prvi put u Boru, septembra 2014. godine pokrenuta je od strane našeg fakulteta i naučno-promotivna akcija *BONIS2014 – Borska noć istraživača*, na kojoj je učestvovao veliki broj studenata, asistenata i saradnika. Ova nova aktivnost je organizovana u saradnji sa O.Š. Dušan Radović, Društvom mladih istraživača iz Bora, Studentskim centrom Bor i Akademskim kulturnim klubom Bor. Takodje, prošle godine u septembru je, po prvi put, organizovan u okviru IX SRTOR-a i 1. *Festival reciklaže* u Zaječaru, a u okviru manifestacije *Noć muzeja*, maja 2014. u Zavičajnom muzeju u Knjaževcu organizovana je i izložba *Tajni svet metala i minerala* čiji su autori nastavnici TF Bor.

Na kraju, treba pomenuti da je na TF Bor tokom 2014. godine, sopstvenim snagama, razvijena i NIR-aplikacija – softver/ baza podataka za naučne reference zaposlenih nastavnika i saradnika na Fakultetu, čime su stvoreni bolji uslovi za prikupljanje, ažuriranje i arhiviranje podataka o NIR-u. Podaci prezentovani u ovom izveštaju su, po prvi put, sakupljeni na ovaj način - korišćenjem pomenute NIR aplikacije.

Iz datog izveštaja se može uočiti da su rezultati na TF Bor u oblasti NIR-a i međunarodne saradnje za 2014. godinu, zadovoljavajući, mada u izvesnoj meri slabiji u odnosu na prethodne

godine - posebno 2012. godinu (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*). Iz tog razloga je neophodno raditi na daljem poboljšanju i stvaranju uslova za unapredjenje aktivnosti u ovoj oblasti u narednom periodu.

Podnosilac izveštaja:



Prof. dr Dragana Živković
Prodekan za NIR&MS TF Bor

U Boru,
3. marta 2015. godine

Prilog 1.

**PREGLED REZULTATA NIR-A KOJE SU OSTVARILI NASTAVNICI I
SARADNICI TF BOR U 2014. GODINI**

Tip rezultata/kategorija prema MPNTR	Broj ostvarenih rezultata
M13	1
M14	7
M21	14
M22	15
M23	35
M24	19
M31	3
M33	126
M34	32
M36	4
M41	1
M51	20
M52	12
M53	7
M55	1
M56	2
M61	3
M63	24
M64	7

M66	2
M71	1
M82	2
M83	2
M92	1
M93	1
Udžbenici	2

M13 - 1

1. Z. Stević, M. Rajčić Vujasinović, I. Radovanović: Supercapacitors Test Methods, Editors: Cindy D. Mullan, Publisher: Nova Science Publishers, NY, USA , ISBN 978-1-63321-019-6, pp. , 2014

M14 - 7

1. D. Brodić, Z. Milivojević, Č. Maluckov: Script Characterization in the Old Slavic Documents (Image and Signal Processing, Lecture Notes in Computer Science 8509) , Editors: Abderrahim Elmoataz, Olivier Lezoray, Fathallah Nouboud, Driss Mammass , Publisher: Springer-Verlag, Printed by Springer International Publishing, ISBN 978-3-319-07998-1; 978-3-319-07997-4, ISSN: 0302-9743 , pp. 230 - 238, 2014
2. D. Brodić, Č. Maluckov, Z. Milivojević, I. Draganov: Differentiation of the Script Using Adjacent Local Binary Patterns (Artificial Intelligence: Methodology, Systems, and Applications, Lecture Notes in Artificial Intelligence 8722), Editors: Gennady Agre, Pascal Hitzler, Adila A. Krisnadhi, Sergei O. Kuznetsov , Publisher: Springer-Verlag, Printed by Springer International Publishing, ISBN 978-3-319-10553-6, 978-3-319-10554-3, ISSN: 0302-9743, pp. 162 - 169, 2014
3. K. Riesen, D. Brodić, Z. Milivojević, Č. Maluckov: Graph Based Keyword Spotting in Medieval Slavic Documents – A Project Outline (Digital Heritage. Progress in Cultural Heritage: Documentation, Preservation, and Protection, Lecture Notes in Computer Science 8740), Editors: Marinos Ioannides, Nadia Magnenat-Thalmann , Eleanor Fink, Roko Žarnić, Alex-Yianing Yen, Ewald Quak , Publisher: Springer-Verlag, Printed by Springer International Publishing, ISBN 978-3-319-13694-3, 978-3-319-13695-0, ISSN: 0302-9743, pp. 724 - 731, 2014
4. M. Arsić, A. Fedajev, M. Savić, D. Voza: Possibilities for development of business cluster network between SMEs from Visegrad countries and Serbia, Editors: Prof. dr

Ivan Mihajlović, Publisher: University of Belgrade, Technical Faculty in Bor, Engineering Management Department (EMD) , ISBN 978-86-6305-023-5 , pp. 91 - 99, 2014

5. N. Milijić, I. Mihajlović, Đ. Nikolić, Ž. Živković: A comparative analysis of occupational safety in SMEs in Serbia and European countries - International monography Possibilities for development of business cluster network between SMEs from Visegrad countries and Serbia, Editors: Ivan Mihajlović, Živan Živković, Publisher: University of Belgrade, Technical Faculty in Bor, Engineering Management Department (EMD), ISBN 978-86-6305-023-5, pp. 159 - 169, 2014
6. I. Milošević, T. Rajić, D. Voza, Đ. Nikolić, I. Mihajlović: Possibilities for development of business cluster network between SMEs from Visegrad countries and Serbia, Editors: Ivan Mihajlović, Živan Živković, Isidora Milošević, Danijela Voza, Milica Arsić, Publisher: University of Belgrade, Tehnical Faculty in Bor, Engineering Management Department, ISBN 978-86-6305-023-5, pp. 121 - 131, 2014
7. T. Rajić, I. Milošević, P. Đorđević, I. Nikolić: Possibilities for development of business cluster network between SMEs from Visegrad countries and Serbia, Editors: Prof. dr Ivan Mihajlović, Prof. dr Živan Živković, dr Isidora Milošević, dr Milica Arsić, Danijela Voza , Publisher: University of Belgrade, Technical Faculty in Bor, Engineering Management Department (EMD) , Printed by University of Belgrade, Technical Faculty in Bor, Engineering Management Department (EMD), ISBN 978-86-6305-023-5 , pp. 109 - 119, 2014

M21 - 16

1. I. Đolović, E. Malkowsky: Generalization of Some Results on α -duals, Banach Journal of Mathematical Analysis, ISSN 1735-8787, Vol. 8, No. 2, pp. 124 - 130, 2014, [Impact factor (IF) 0.967/2013] *Field: Mathematics*
2. S. Šerbula, A. Radojević, J. Kalinović, T. Kalinović: Indication of airborne pollution by birch and spruce in the vicinity of copper smelter, Environmental Science and Pollution Research, ISSN 0944-1344 (print); 1614-7499 (electronic), Vol. 21, No. 19, pp. 11510 - 11520, 2014, [Impact factor (IF) 2,951/2013] *Field: Environmental Sciences*
3. S. Alagić, S. Tošić, M. Dimitrijević, M. Antonijević, M. Nujkić: 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, ISSN 0944-1344, pp. , 2014 *Field: Environmental Sciences*
4. I. Marković, S. Nestorović, D. Marković: Effect of Thermo-mechanical Treatment on Properties Improvement and Microstructure Changes in Copper–gold Alloy, Materials and Design, ISSN 0261-3069, Vol. 53, pp. 137 - 144, 2014, [Impact factor (IF) 3.171/2013] *Field: Materials Sceince, Multidisciplinary*

5. C. Costa, S. Delsante, G. Borzone, D. Živković, R. Novakovic: Thermodynamic and surface properties of liquid Co–Cr–Ni alloys, *Journal of Chemical Thermodynamics*, ISSN 0021-9614, Vol. 69, pp. 73 - 84, 2014, [Impact factor (IF) 2.423/2013] *Field: Thermodynamics*
6. D. Minic, M. Premovic, V. Cosovic , D. Manasijević, L. Nedeljković, D. Živković: Experimental investigation and thermodynamic calculations of the Cu–In–Ni phase diagram, *Journal of Alloys and Compounds*, ISSN 0925-8388, Vol. 617, pp. 379 - 388, 2014, [Impact factor (IF) 2.726/2013] *Field: Metallurgy&Metallurgical Engineering*
7. Z. Stanojević Šimšić , D. Živković, D. Manasijević, T. Holjevac Grgurić, Y. Du, M. Gojić, S. Kožuh, A. Kostov, R. Todorović: Thermal analysis and microstructural investigation of Cu-rich alloys in the Cu–Al–Ag system, *Journal of Alloys and Compounds*, ISSN 0925-8388, Vol. 612, pp. 486 - 492, 2014, [Impact factor (IF) 2.726/2013] *Field: Metallurgy&Metallurgical Engineering*
8. M. Premović, D. Manasijević, D. Minić, D. Živković: Experimental investigation and thermodynamic prediction of the Ag–Ge–Sb phase diagram, *Journal of Alloys and Compounds*, ISSN 0925-8388, Vol. 610, pp. 161 - 168, 2014, [Impact factor (IF) 2.726/2013] *Field: Metallurgy&Metallurgical Engineering*
9. M. Premović, D. Manasijević, D. Minić, D. Živković: Experimental investigation and thermodynamic calculation of the Ge–In–Sb phase diagram, *Materials Chemistry and Physics*, ISSN 0254-0584, Vol. 148, No. 1-2, pp. 356 - 363, 2014, [Impact factor (IF) 2.129/2013] *Field: Materials Sceince, Multidisciplinary*
10. M. Premović, D. Minić, V. Čosović, D. Manasijević, D. Živković: Experimental Investigation and Thermodynamic Calculations of the Bi–Ge–Sb Phase Diagram, *Metallurgical and Materials Transactions A*, ISSN 1073-5623, Vol. 45, No. 11, pp. 4829 - 4841, 2014, [Impact factor (IF) 1.730/2013] *Field: Metallurgy&Metallurgical Engineering*
11. M. Niculović, D. Živković, D. Manasijević, N. Štrbac: Study of pathological Internet use, behavior and attitudes among students population at Technical Faculty Bor, University of Belgrade, *Computers in Human Behavior*, ISSN 0747-5632, Vol. 39, pp. 78 - 87, 2014, [Impact factor (IF) 2.273/2015] *Field: Psychology, Multidisciplinary*
12. D. Živković, Ž. Živković: Editorial - 50th Volume of JMM-B: First fifty years of continuous publishing activities, *Journal of Mining and Metallurgy, Section B: Metallurgy*, ISSN 1450-5339, Vol. 50, No. 1, pp. 1 - 3, 2014, [Impact factor (IF) 1.135/2013] *Field: Metallurgy&Metallurgical Engineering*
13. D. Petrović, M. Tanasijević, V. Milić, N. Lilić, S. Stojadinović, I. Svrkota: Risk assessment model of mining equipment failure based on fuzzy logic, *Expert Systems*

with Applications , ISSN 0957-4174, Vol. 41, No. 18, pp. 8157 - 8164, 2014, [Impact factor (IF) 1,965/2013] *Field: Engineering, Electrical & Electronic*

14. R. Lapčević, S. Kostić, R. Pantović, N. Vasović: Prediction of blast-induced ground motion in a coppermine, International journal of rock mechanics and mining sciences, ISSN 1365-1609, Vol. 69, pp. 19 - 25, 2014, [Impact factor (IF) 1.424/2013] *Field: Mining & Mineral Processing*

M22 - 15

1. V. Conić, M. Rajčić Vujasinović, V. Trujić, V. Cvetkovski: Copper, zinc, and iron bioleaching from polymetallic sulphide concentrate, Transactions of Nonferrous Metals Society of China, ISSN 1003-6326 , Vol. 24, pp. 3688 - 3695, 2014, [Impact factor (IF) 1,243 /2013] *Field: Metallurgy & Metallurgical Engineering*
2. A. Mitovski, N. Štrbac, I. Mihajlović, M. Sokić, J. Stojanović: Thermodynamic and kinetic analysis of the polymetallic copper concentrate oxidation process, Journal of Thermal Analysis and Calorimetry, ISSN 1588-2926, Vol. 118, No. 2, pp. 1277 - 1285, 2014, [Impact factor (IF) 2.206/2013] *Field: Chemistry, Physical*
3. J. Đoković, R. Nikolić, K. Živković : Interfacial crack behavior in the stationary temperature field conditions , Thermal Science, ISSN 0354-9836, Vol. 18, No. Suppl. 1, pp. 169 - 178, 2014, [Impact factor (IF) 0.962/2013] *Field: Thermodynamics*
4. D. Brodić, Z. Milivojević, Č. Maluckov: An approach to the script discrimination in the Slavic documents, Soft Computing, ISSN 1432-7643, pp. , 2014, [Impact factor (IF) 1.304/2013] *Field: Computer Science, Artificial Intelligence*
5. B. Maluckov, V. Tasić, S. Alagić, S. Mladenović, J. Pejković, M. Radović, Č. Maluckov: Measurement of Extremely Low Frequent Magnetic Induction in Residential Buildings, International Journal of Environmental Research, ISSN 1735-6865, Vol. 8, No. 3, pp. 583 - 590, 2014 *Field: Environmental Sciences*
6. S. Šerbula, A. Radojević, J. Kalinović, T. Kalinović, N. Petrović: Assessment of air pollution originating from copper smelter in Bor (Serbia), Environmental Earth Sciences, ISSN 1866-6280 (print); 1866-6299 (electronic), Vol. 71, No. 4, pp. 1651 - 1661, 2014, [Impact factor (IF) 1,750/2013] *Field: Water Resources*
7. I. Marković, S. Nestorović, D. Marković, D. Gusković: Properties Improvement and Microstructure Changes During Thermomechanical Treatment in Sintered Cu-Au Alloy, Transactions of Nonferrous Metals Society of China, ISSN 1003-6326, Vol. 24, No. 2, pp. 431 - 440, 2014, [Impact factor (IF) 1.001/2013] *Field: Metallurgy & Metallurgical Engineering*
8. Lj. Balanović, D. Živković, D. Manasijević, D. Minić, V. Čosović , N. Talijan: Calorimetric investigation of Al–Zn alloys using Oelsen method, Journal of Thermal Analysis and Calorimetry, ISSN 1388-6150, Vol. 118, No. 2, pp. 1287 - 1292, 2014, [Impact factor (IF) 2.206/2013] *Field: Chemistry, Physical*

9. B. Marković, D. Živković, D. Manasijević, M. Sokić, D. Minić, N. Talijan, J. Stajić Trošić: Thermal, structural and electrical properties of some Bi-Cu-Ni alloys, Archives of Metallurgy and Materials, ISSN 1733-3490 , Vol. 59, No. 1, pp. 117 - 120, 2014, [Impact factor (IF) 0,763/2013] *Field: Metallurgy & Metallurgical Engineering*
10. D. Živković, N. Štrbac, M. Sokić, V. Andrić, I. Jovanović, M. Jovičić, B. Andjelić, S. Radosavljević: Physicochemical investigation of some archaeometallurgical findings from locality Kmpije (Bor, Serbia), Journal of Thermal Analysis and Calorimetry, ISSN 1388-6150, Vol. 118, No. 2, pp. 1369 - 1373, 2014, [Impact factor (IF) 2.206/2013] *Field: Chemistry, Physical*
11. M. Savić, Đ. Nikolić, I. Mihajlović, Ž. Živković, B. Boyanov, P. Đorđević: Multi-criteria decision support system for optimal blending process in zinc production , Mineral Processing and Extractive Metallurgy Review, ISSN 0882-7508, pp. , 2014, [Impact factor (IF) 0.690/2013] *Field: Metallurgy & Metallurgical Engineering*
12. S. Dimitrijević, M. Rajčić Vujasinović, R. Jančić-Hajneman, J. Bajat, V. Trujić, D. Trifunović: Temperature effect on decorative gold coatings obtained from electrolyte based on mercaptotriazole – comparison with cyanide, International Journal of Materials Research, (Zeitschrift für Metallkunde), ISSN 1862-5282, Vol. 3, pp. 272 - 281, 2014, [Impact factor (IF) 0,816/2013] *Field: Metallurgy & Metallurgical Engineering*
13. P. Đorđević, N. Mitevska, I. Mihajlović, Đ. Nikolić, Ž. Živković: Effect of the slag basicity on the coefficient of distribution between copper matte and the slag for certain metals, Mineral Processing and Extractive Metallurgy Review, ISSN 0882-7508, Vol. 35, No. 3, pp. 202 - 207, 2014, [Impact factor (IF) 0.647/2014] *Field: Metallurgy & Metallurgical Engineering*
14. N. Milijić, I. Mihajlović, Đ. Nikolić, Ž. Živković: Multicriteria analysis of safety climate measurements at workplaces in production industries in Serbia, International Journal of Industrial Ergonomics, ISSN 0169-8141, Vol. 44, No. 4, pp. 510 - 519, 2014, [Impact factor (IF) 1.214/2014] *Field: Engineering, Industrial*
15. R. Perić, Z. Karastojković, Z. Janjušević, Z. Kovačević, D. Gusković: Tempering in Region 50-600°C of Quenched and Cold Deformed 585 Gold Alloy for Jewelry Production, Metalurgija, ISSN 0543-5846, Vol. 53, No. 3, pp. 346 - 348, 2014, [Impact factor (IF) 0755/2014] *Field: Metallurgy & Metallurgical Engineering*

M23 - 35

1. J. Đoković, R. Nikolić, I. Miletić, M. Mićunović: Analysis of the LEFM concept for interfacial cracks application to coating buckling delamination in terms of substrate elastic characteristics, Journal of Theoretical and Applied Mechanics , ISSN 1429-2950, Vol. 52, No. 1, pp. 61 - 69, 2014, [Impact factor (IF) 0.620/2013] *Field: Mechanics*

2. I. Mihajlović, I. Milošević, Ž. Živković: ANFIS based prediction of the aluminum extraction from boehmite bauxite in the Bayer process, Polish Journal of Chemical Technology, ISSN 1509-8117, Vol. 16, No. 1, pp. 1509 - 8117, 2014, [Impact factor (IF) 0.474/2013] *Field: Engineering, Chemical*
3. D. Brodić, C. Mello, Č. Maluckov, Z. Milivojević: An Approach to Skew Detection of Printed Documents, Journal of universal computer science, ISSN 0948-695X, Vol. 20, No. 4, pp. 488 - 506, 2014, [Impact factor (IF) 0.401/2013] *Field: Computer Science, Software Engineering*
4. Č. Maluckov: Investigating the characteristics of the commercial gas tube 'S10 Starter' using a time-delay measuring method, Radiation effects and defects in solids, ISSN 1042-0150, Vol. 169, No. 10, pp. 828 - 837, 2014, [Impact factor (IF) 0.603/2014] *Field: Physics, Condensed Matter*
5. M. Radović, Č. Maluckov, J. Karamarković, S. Rančev, S. Mitić: Convolution Based Model of Breakdown Voltage Distributions in Neon at 1.33 mbar with Corona Appearance in Pre-Breakdown Regime, Romanian reports in physics, ISSN 1221-1451, Vol. 66, No. 2, pp. 472 - 480, 2014, [Impact factor (IF) 1.137/2014] *Field: Physics, Multidisciplinary*
6. S. Šerbula, D. Živković, A. Radojević, T. Kalinović, J. Kalinović: Emission of SO₂ and SO₄²⁻ from copper smelter and its influence on the level of total S in soil and moss in Bor and the surroundings, Hemijska industrija, ISSN 0367-598 X (Print); 2217-7426 (Online), pp. , 2014, [Impact factor (IF) 0,562/2013] *Field: Engineering, Chemical*
7. Z. Milivojević, D. Brodić, M. Milivojević: The Effects of the Active Hypoxia to the Speech Signal Inharmonicity, Radioengineering, ISSN 1210-2512, Vol. 23, No. 2, pp. 665 - 670, 2014, [Impact factor (IF) 0.796/2013] *Field: Engineering, Electrical & Electronic*
8. Z. Milivojević, D. Brodić, D. Blagojević: The Impact of the Acute Hypoxia to Speech Inharmonicity , Elektronika Iri Elektrotehnika, ISSN 1392-1215 , Vol. 20, No. 5, pp. 136 - 143, 2014, [Impact factor (IF) 0.445/2013] *Field: Engineering, Electrical & Electronic*
9. N. Đorđević , D. Đorđević, M. Miljković, S. Urošević: Activated carbon from cotton waste as an adsorbent in the purification process of azo dyes , Bulgarian Chemical Communications, ISSN 0324-1130, Vol. 46 , No. 2, pp. 277 - 282, 2014, [Impact factor (IF) 0.349/2013] *Field: Chemistry, Multidisciplinary*
10. I. Ilić, M. Vuković, N. Štrbac, S. Urošević: Applying GIS to control transportation air pollutants, Polish Journal of Environmental Studies, ISSN 1230-1485, Vol. 23, No. 5, pp. 1849 - 1860, 2014, [Impact factor (IF) 0,600/2013] *Field: Environmental Sciences*

11. D. Bogdanović, S. Miletić: Personnel evaluation and selection by multicriteria decision making method, *Economic Computation and Economic Cybernetics Studies and Research*, ISSN 0424–267 X , Vol. 3, No. 48, pp. 179 - 196, 2014, [Impact factor (IF) 0,420/2013] *Field: Economics*
12. A. Simonović, M. Petrović Mihajlović, M. Radovanović, S. Milić, M. Antonijević: Inhibition of copper corrosion in acidic sulphate media by eco-friendly amino acid compound, *Chemical Papers*, ISSN 0366-6352, Vol. 68, No. 3, pp. 362 - 371, 2014, [Impact factor (IF) 1.193/2013] *Field: Chemistry, Multidisciplinary*
13. S. Alagić, B. Maluckov, V. Radojičić: 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*, ISSN 1618-954X, pp. , 2014 *Field: Engineering, Environmental*
14. S. Alagić, S. Tošić, A. Pavlović: Nickel content in deciduous trees near copper mining and smelting complex Bor (East Serbia), *Carpathian Journal of Earth and Environmental Sciences*, ISSN 1842 - 4090 , Vol. 9, No. 4, pp. 191 - 199, 2014 *Field: Environmental Sciences*
15. M. Premović, D. Minić, D. Manasijević, V. Ćosović, D. Živković, I. Dervišević, N. Talijan: Mechanical and Electrical Properties of the Ternary Ag–Sb–Zn System, *Acta Metallurgica Sinica (English Letters)*, ISSN 1006-7191, Vol. 27, No. 1, pp. 47 - 54, 2014, [Impact factor (IF) 0.426/2013] *Field: Metallurgy & Metallurgical Engineering*
16. D. Minić, M. Premović, D. Manasijević, D. Živković, D. Čikara: The mechanical and electrical properties of ternary Bi-Ga-Sb system, *Materials Testing*, ISSN 0025-5300, Vol. 56, No. 9, pp. 667 - 674, 2014, [Impact factor (IF) 0.273/2013] *Field: Materials Science, Characterization & Testing*
17. D. Živković, T. Holjevac Grgurić, M. Gojić, D. Ćubela, Z. Stanojević Šimišić, S. Kožuh: Calculation of Thermodynamic Properties of Cu–Al–(Ag,Au) Shape Memory Alloy Systems, *Transactions of the Indian Institute of Metals*, ISSN 0972-2815, Vol. 67, No. 2, pp. 285 - 289, 2014, [Impact factor (IF) 0.427/2013] *Field: Metallurgy & Metallurgical Engineering*
18. T. Žak, B. David, A. Ćosović, V. Ćosović , D. Živković, N. Talijan: Structure and magnetic properties of nanocrystalline NiFe₂O₄ prepared via precipitation route, *Acta Physica Polonica*, ISSN 0587-4246, Vol. 126, No. 1, pp. 142 - 143, 2014, [Impact factor (IF) 0.998/2013] *Field: Physics, Multidisciplinary*
19. J. Đoković, R. Nikolić, J. Bujnak: Thermal characteristics of sandwich plates with prismatic cores,, *Procedia Engineering*, ISSN 1877-7058, Vol. 91, pp. 165 - 170, 2014 *Field: Engineering*
20. R. Stanojlović, J. Sokolović, N. Milošević: Integrated environmental protection and waste minimization in the area of Copper Mine Bor, *Environmental Engineering and*

Management Journal, ISSN 1582-9596, Vol. 13, No. 4, pp. 791 - 804, 2014, [Impact factor (IF) 1.258/2014] *Field: Environmental Sciences*

21. R. Stanojlović, J. Sokolović: A study of the optimal model of the flotation kinetics of copper slag from Copper Mine Bor, Archives of Mining Sciences, ISSN 0860-7001, Vol. 59, No. 3, pp. 821 - 834, 2014, [Impact factor (IF) 0.608/2014] *Field: Mining & Mineral Processing*
22. M. Vuković, D. Voza, N. Štrbac, L. Takić: Cooperation over international water resources: a case from the Danube River Basin, Sociologia, Vol. 46, No. 3, pp. 320 - 342, 2014, [Impact factor (IF) 0,212/2013] *Field: Sociology*
23. M. Savić, I. Mihajlović, M. Arsić, Ž. Živković: ANFIS model based prediction of the surface ozone concentration , Journal of the Serbian Chemical Society, ISSN 0352-5139, Vol. 79, No. 10, pp. 1323 - 1334, 2014, [Impact factor (IF) 0.889/2013] *Field: Chemistry, Multidisciplinary*
24. M. Arsić, Đ. Nikolić, I. Mihajlović, Ž. Živković: Monitoring of the surface ozone concentrations in the Western Banat region (Serbia), Applied Ecology and Environmental Research , Vol. 12, No. 4, pp. , 2014 *Field: Environmental Sciences*
25. S. Ivanov, M. Rajčić Vujasinović, J. Petrović, V. Grekulović, S. Mladenović: Electrochemical investigation of cold worked copper in alkaline solution with the presence of potassium ethyl xanthate, Hemijska industrija, ISSN 0367-598X, Vol. 68, No. 3, pp. 279 - 288, 2014, [Impact factor (IF) 0.562/2013] *Field: Engineering, Chemical*
26. Z. Stević, M. Rajčić Vujasinović, I. Radovanović: Comparative Analysis of Dynamic Electrochemical Test Methods of Supercapacitors, International Journal of Electrochemical Science, International Journal of Electrochemical Science, ISSN 1452-3981 , Vol. 9, pp. 7110 - 7130, 2014, [Impact factor (IF) 1.956 /2013] *Field: Electrochemistry*
27. A. Ivanović, B. Trumić, S. Ivanov, S. Marjanović: Modeling the effects of temperature and time of homogenization annealing on the hardness of PdNi5 alloy, Hemijska industrija, ISSN 0367-598X, Vol. 68, No. 5, pp. 597 - 603, 2014, [Impact factor (IF) 0,562/2013] *Field: Engineering, Chemical*
28. Ž. Tasić, V. Gupta, M. Antonijević: The mechanism and kinetics of degradation of phenolics in wastewaters using electrochemical oxidation, International Journal of Electrochemical Science, ISSN 1452-3981, Vol. 9, No. 7, pp. 3473 - 3490, 2014, [Impact factor (IF) 1.956/2013] *Field: Electrochemistry*
29. M. Papić, M. Vuković, I. Bikit, D. Mrđa, S. Forkapić, K. Bikit, Đ. Nikolić: Multi-criteria analysis of soil radioactivity in Čačak basin, Serbia, Romanian Journal of Physics , ISSN 1221-146X, Vol. 59, No. 7-8, pp. 846 - 861, 2014, [Impact factor (IF) 0.745/2013] *Field: Physics, Multidisciplinary*

30. A. Ivanovic, B. Trumic, N. Vukovic, S. Marjanović, B. Marjanovic: The influence of melting atmosphere and casting on the mechanical and structural characteristics of palladium-nickel alloy, *Journal of optoelectronics and advanced materials*, Vol. 16, No. 7-8, pp. 925 - 932, 2014 *Field: Materials Science, Multidisciplinary*
31. M. Miric, R. Peric, S. Dimitrijevic, S. Mladenović, S. Marjanović: Differences in the mode of thermomechanical processing between white gold alloys to produce semi-finished products, *Bulgarian Chemical Communications*, ISSN 0324-1130, pp. , 2014, [Impact factor (IF) 0.320/2014] *Field: Chemistry, Multidisciplinary*
32. I. Radojević: New results for EP matrices in indefinite inner product spaces, *Czechoslovak Mathematical Journal*, Vol. 64, No. 1, pp. 91 - 103, 2014 *Field: Mathematics*
33. R. Perić, Z. Karastojković, Z. Kovačević, M. Mirić, D. Gusković: Changes of Hardness and Electrical Conductivity White Gold Alloy Au-Ag-Cu After Aging Treating, *Bulgarian Chemical Communications*, ISSN 0324-1130, pp. , 2014, [Impact factor (IF) 0.349/2014] *Field: Chemistry, Multidisciplinary*
34. M. Antonijević, M. Arsović, J. Časlavský, V. Cvetković, P. Dabić, M. Franko, . Ilić, M. Ivanović, M. Kosovac, D. Medić, S. Najdanović, M. Nikolić, J. Novaković, T. Radovanović, Dj. Ranić, B. Šajatović, G. Špijunović, I. Stankov, J. Tošović, P. Trebše, O. Vasiljević, J. Schwarzbauer: Actual contamination of the Danube and Sava Rivers at Belgrade (2013), *Journal of the Serbian Chemical Society*, ISSN 0352-5139, Vol. 79, No. 9, pp. 1169 - 1184, 2014, [Impact factor (IF) 0.889/2014] *Field: Chemistry, Multidisciplinary*
35. B. Maluckov: Ti-based biomaterials-properties and production, *Optoelectronics and advanced materials - Rapid Communications*, Vol. 8, No. 5-6, pp. 545 - 550, 2014, [Impact factor (IF) 0,449/2013] *Field: Materials Science, Multidisciplinary*

M24 - 19

1. J. Đoković, R. Nikolić, J. Vičan, D. Đenadić: Dynamic growth of an interfacial crack between the two anisotropic materials, *FME Transactions* , ISSN 1451-2092, Vol. 42, No. 3, pp. 229 - 236, 2014
2. J. Đoković, R. Nikolić: The in-plane stress influence on crack kinking out from the interface, *Theoretical and Applied Mechanics*, ISSN 1450-5548, Vol. 41, No. S1, pp. 115 - 122, 2014
3. S. Alagić, M. Nujkić, M. Dimitrijević: Strategije biljaka u borbi protiv fitotoksičnih koncentracija metala kao ključni preduslov uspešne fitoremedijacije: Ekskluderi i hiperakumulatori, deo II / Plants strategies against metal phytotoxicity as a key prerequisite for an effective phytoremediation: Excluders and hyperaccumulators, part II, *Zaštita materijala/Materials protection*, ISSN 0351-9465, Vol. 55, No. 4, pp. 435 - 440, 2014

4. S. Alagić, M. Dimitrijević: Uklanjanje policikličnih aromatičnih ugljovodonika u konstruisanim močvarama / Removing of polycyclic aromatic hydrocarbons in constructed wetlands, *Zaštita materijala/Materials protection*, ISSN 0351 – 9465, Vol. 55, No. 1, pp. 59 - 68, 2014
5. S. Alagić: Strategije biljaka u borbi protiv fitotoksičnih koncentracija metala kao ključni preduslov uspešne fitoremedijacije: Ćelijski mehanizmi, deo I/Plants strategies against metal phytotoxicity as a key prerequisite for an effective phytoremediation: Cellular mechanisms, part I, *Zaštita materijala/Materials protection*, ISSN 0351 – 9465, Vol. 55, No. 3, pp. 313 - 322, 2014
6. D. Ljubić, M. Stamenović, C. Smithson, M. Nujkić, B. Međo, S. Putić: Time - temperature superposition principle – Application of WLF equation in polymer analysis and composites, *Material protections*, ISSN 0351-9465, Vol. 4, pp. 395 - 400, 2014, [Impact factor (IF) 0.815/2014]
7. D. Ljubić, M. Stamenović, C. Smithson, M. Nujkić, J. Petrović, S. Putić: Organoclay-Polymer Nanocomposites, *Material protections*, ISSN 0351-9465, Vol. 2, pp. 127 - 132, 2014, [Impact factor (IF) 0,815/2014]
8. N. Vušović, Z. Vaduveskovic, D. Kržanović: Analysis the possibility of improving the economic indicators of exploitation the deposit Cementacija Kraku Bugaresku - ore field Cerovo, *Mining and Metallurgy Engineering Bor*, ISSN 2334-8836, Vol. 1/2014, pp. 13 - 36, 2014
9. N. Vušović, M. Pavlović, M. Maksimović, R. Rajković: Basic principles of development and use a digital geomodel for design the open pit in the example of quartz and sandy clay deposit “Bošnjane“ - Serbia, *Mining and Metallurgy Engineering Bor*, ISSN 2334-8836, Vol. 2/2014, pp. 97 - 107, 2014
10. J. Đoković, R. Nikolić, D. Ilić, J. Vićan: Dynamic Crack Growth Along the Elastic-Plastic Bimaterial Interface, *Structural Integrity and Life*, ISSN 1451-3749, Vol. 14, No. 3, pp. 61 - 65, 2014
11. R. Stanojlović, J. Sokolović, N. Ćirić: Technological requirements of new copper smelter of RTB BOR, a great challenge for the mining profession and science, *Mining and Metallurgy Engineering Bor*, ISSN 2334-8836, Vol. 2014, No. 4, pp. 1 - 10, 2014
12. M. Savić, P. Đorđević, Đ. Nikolić, I. Mihajlović, Ž. Živković: Modeling the influence of EFQM criteria on employees satisfaction and loyalty in transition economy: the study of banking sector in Serbia, *Serbian Journal of Management* , ISSN 1452-4864, Vol. 9, No. 1, pp. 15 - 30, 2014
13. S. Dević, M. Cocić: Mineralogical investigation in metallurgy as a contribution to the affirmation of industrial mineralogy in Serbia, *Materials protection*, ISSN 0351-9465, Vol. 4, pp. 441 - 447, 2014

14. M. Dimitrijević, D. Urošević, S. Milić, T. Urošević: Copper extraction from copper smelter slag roasting with pyrite or flotation tailings followed by water leaching, Mining and Metallurgy Engineering Bor, ISSN 2334-8836, Vol. 4, pp. 157 - 164, 2014
15. M. Savić, P. Đorđević, Đ. Nikolić, I. Mihajlović, Ž. Živković: Bayesian inference for risk assessment of the position of study program within the integrated university: a case study of engineering management at Technical faculty in Bor, Serbian Journal of Management, ISSN 2217-7159, Vol. 9, No. 2, pp. 231 - 240, 2014
16. D. Bogdanović, L. Obradović, S. Miletić: Selection the optimum method of rehabilitation the degraded areas around the Bor river downstream from the flotation tailing dump Bor, Mining and Metallurgy Engineering Bor, ISSN 2406-1395, No. 4, pp. 137 - 156, 2014
17. S. Šerbula, A. Ristić, S. Manasijević, N. Dolić, N. Davitkov: pH vrednosti i koncentracije ukupnog suvog ostatka i suspendovanih materija u otpadnim vodama rudnika bakra Majdanpek, Zaštita materijala, ISSN ISSN:0351-9465, Vol. LV, No. 3, pp. 327 - 334, 2014
18. Z. Karastojković, R. Perić, Z. Janjušević, D. Gusković: Electrolytic Gold Plating on Golden Jewels made from 585 Alloy, Zaštita materijala, Vol. 54, No. 4, pp. 366 - 371, 2014
19. M. Denić, V. Dragišić, N. Vušović, I. Svrkota, V. Živanović, D. Joković: Zaštita radova eksploatacije od podzemnih voda u Rudniku Soko , Rudarski radovi, ISSN 1451-0162, Vol. 43, No. 4, pp. 15 - 21, 2014

M31 - 3

1. D. Brodić: Script Recognition by Statistical Analysis of the Image Texture (Invited paper). , 10th International Symposium on Industrial Electronics, Banja Luka, Bosnia and Herzegovina, 2014, pp. 168 - 174
2. Z. Stević, M. Rajčić Vujasinović, L. Popara, V. Nikolić: Thermographic diagnostics of trees, International conference "Nuremberg tree days 2014", Altdorf, Nuremberg,, Germany, 2014, pp. 261 - 286
3. S. Šerbula, A. Ristić, S. Manasijević, N. Dolić: Filtrating Section Wastewater of the Copper Mine in Majdanpek and its Influence on the River Veliki Pek, International Symposium on Environmental and Material Flow Menangement – EMFM 2014, Bor Lake, Serbia, 2014, pp. 128 - 134

M33 - 126

1. I. Milošević, T. Rajić: The strategic importance of commitment in the customer-supplier relationship, International May Conference on Strategic Management, Bor's Lake, Serbia, 2014

2. T. Rajić, I. Milošević, D. Riznić: "An examination of the determinants and effects of retail customer satisfaction", International May Conference on Strategic Management – IMKSM 2014, Bor's Lake, Serbia, 2014, pp. 702 - 713
3. N. Milijić, I. Mihajlović, I. Milošević: Safety climate modeling in the metallurgical sector, International May Conference on Strategic Management, Bor's Lake, Serbia, 2014
4. D. Brodić, Z. Milivojević, Č. Maluckov, M. Jevtić: Discrimination between Serbian and Slovenian language by texture analysis, MIPRO, Opatija, Croatia, 2014
5. J. Kalinović, S. Šerbula, A. Radojević, T. Kalinović, S. Manasijević, N. Dolić: Heavy metals and total sulphur content in vegetables collected in the Bor region (Serbia), XXII International Conference "Ecological Truth" Eco-Ist'14, Bor Lake, Bor, Serbia, 2014, pp. 154 - 159
6. S. Šerbula, N. Mijatović, A. Radojević, T. Kalinović, J. Kalinović, R. Kovačević: Dandelion as an environmental bioindicator in the Bor region, XXII International Conference "Ecological Truth" Eco-Ist'14, Bor Lake, Bor, Serbia, 2014, pp. 161 - 167
7. D. Klimenta, B. Perović, J. Klimenta, M. Jevtić: Analytical and Numerical Modeling of the Effect of Tilt Angle on Natural Convection around an ETC, International scientific and technical conference "Computer Modeling and Simulation-2014 - COMOD 2014, Saint Petersburg, Russia, 2014
8. S. Urošević: URAVLJANJEM LJUDSKIM RESURSIMA I ZNANJEM KAO DOPRINOS ORGANIZACIONIM PERFORMANSAMA I PRIVREDNOM RAZVOJU, 3rd International Business Conference HOW TO PROSPER UNTIL 2020? Business and Social Challenges of the Modern Word , Celje, Slovenia, 2014, pp. 487 - 493
9. S. Urošević, M. Stamatović: DEVELOPMENT OF ECOLOGICAL EDUCATION IN SERBIA, XXII International Conference "ECOLOGICAL TRUTH" Eco-Ist'14, Bor, Serbia, 2014, pp. 558 - 564
10. S. Urošević, M. Grahovac: EDUCATION AS AN IMPORTANT RESOURCE OF THE 21ST CENTURY, International Conference on Technics, Technologies and Education 2014, ICTTE, Faculty of Technics and Technologies in Yambol, Trakia University, Bulgaria, , Yambol, Bulgaria, 2014, pp.
11. M. Vuković, S. Urošević, N. Štrbac: ANALYSIS OF ENVIRONMENTAL AWARENESS IN URBAN AREAS , 10 th International May Conference on Strategic Management, IMKSM2014,, Bor Lake, Serbia, 2014, pp. 803 - 814
12. M. Vuković, S. Urošević, N. Štrbac, B. Pejčić, S. Budelan: ENVIRONMENTAL SENSITIVITY OF CITIZENS AWARENESS IN URBAN AREAS WITH NUMEROUS INDUSTRIAL SOURCES OF POLLUTION, 46 th International

October Conference on Mining and Metallurgy, IOC 2014, Bor Lake, Serbia, 2014, pp. 632 - 636

13. O. Walter, V. Despotović, R. Haeb Umbach, J. Gemmeke, B. Ons, H. Van hamme: An Evaluation of Unsupervised Acoustic Model Training for a Dysarthric Speech Interface, 15th Annual Conference of the International Speech Communication Association (INTERSPEECH 2014), Singapore, Singapore, 2014, pp. 1013 - 1017
14. V. Tasić, M. Pavlov, D. Brodić, V. Despotović, D. Milivojević: The Use of the Internet and Wireless Communications in the Monitoring and Control of Industrial Processes, 37th International Convention on Information and Communication Technology, Electronics and Microelectronics MIPRO 2014, Opatija, Croatia, 2014, pp. 993 - 996
15. B. Prlinčević, Z. Milivojević, D. Brodić: MIPFD Algorithm for Image Fire Detection, 37th International Scientific Conference on Information, Communication and Energy Systems and Technological Applications (ICEST 2014), Niš, Serbia, 2014, pp. 373 - 376
16. D. Brodić, Z. Milivojević, Č. Maluckov: Characterization of the Script Using Adjacent Local Binary Patterns, 37th International Conference on Telecommunications and Signal Processing (TSP 2014), Berlin, Germany, 2014, pp. 640 - 643
17. Č. Maluckov, I. Draganov, A. Manolova: THE IMPACT OF THE ELECTROMAGNETIC FIELD RADIATIONS FROM THE GADGETS TO THE USERS, International Conference on Communications, Electromagnetics and Medical Applications (CEMA 2014), Sofija, Bulgaria, 2014, pp. 117 - 120
18. D. Brodić, Z. Milivojević: Optimization of the Entropy Based Algorithm for Text Skew Detection, 14th International Scientific Conference UNITECH'14, Gabrovo, Bulgaria, 2014, pp. 318 - 322
19. B. Prlinčević, Z. Milivojević, D. Brodić: THE EFFICIENCY OF MDB ALGORITHM FOR ELIMINATION OF IMPULSE NOISE AT IMAGES WITH WATERMARK INSERTED BY DCTSVD ALGORITHM, 14th International Scientific Conference UNITECH'14, Gabrovo, Bulgaria, 2014, pp. 89 - 94
20. Z. Miloivojević, B. Prlinčević, D. Brodić: PERFORMANCE OF DDS ALGORITHM FOR INSERTION OF DOUBLE WATERMARK, 14th International Scientific Conference UNITECH'14, Gabrovo, Bulgaria, 2014, pp. 122 - 127
21. S. Arsić: UTICAJ DEMOGRAFSKIH KARAKTERISTIKA ZAPOSLENIH NA PROBLEME APSENTIZMA I FLUKTUACIJE U ORGANIZACIJAMA, INTERNATIONAL MAY CONFERENCE ON STRATEGIC MANAGEMENT – IMKSM 2014, Bor, Serbia, 2014, pp. 1107 - 1119

22. S. Arsić, D. Nikolić: UTICAJ DRUŠTVENE MREŽE FACEBOOK KAO POMOĆNO SREDSTVO PRI UČENJU U AKADEMSKIM INSTITUCIJAMA, INTERNATIONAL MAY CONFERENCE ON STRATEGIC MANAGEMENT – IMKSM 2014, Bor, Serbia, 2014, pp. 1086 - 1096
23. D. Nikolić, S. Arsić: M-UČENJE KAO INOVATIVNI PRISTUP VISOKOM OBRAZOVANJU: STUDIJA SLUČAJA – UB, TEHNIČKI FAKULTET U BORU , INTERNATIONAL MAY CONFERENCE ON STRATEGIC MANAGEMENT – IMKSM 2014, Bor, Serbia, 2014, pp. 1097 - 1106
24. N. Milijić, D. Bogdanović: Application of contemporary methods for projects selection and prioritization in portfolio, Majska Konferencija o strategijskom menadžmentu, Hotel jezero Bor, Serbia, 2014, pp. 606 - 617
25. S. Miletić, D. Bogdanović, B. Đorđević, V. Velinov: Problems and advantages of introduction the project portfolio management, 46th International October Conference on Mining and Metallurgy , Bor, Serbia, 2014, pp. 481 - 484
26. U. Stamenković, S. Mladenović, S. Ivanov, S. Marjanović, A. Ivanović, R. Todorović: Influence of thermomechanical treatment on the hardness of 6061 aluminium alloy, The 46th International October Conference on Mining and Metallurgy, Bor Lake, Bor, Serbia, 2014, pp. 688 - 692
27. M. Rajčić Vujasinović, V. Grekulović, Z. Stević, U. Stamenković: Anodic behaviour of AgCu50 alloy in the presence of chlorides and benzotriazole, XXII International Conference Ecological Truth-EkoIst' 14, Borsko jezero, Serbia, 2014, pp. 216 - 222
28. M. Dimitrijević, S. Alagić, S. Tošić, M. Nujkić: HEAVY METAL DISTRIBUTION IN THE TOPSOIL FROM DIFFERENT LOCATIONS NEAR COPPER SMELTER IN BOR (EAST SERBIA), 46th International October Conference on Mining and Metallurgy, IOC 2014, Hotel Jezero, Bor Lake, Bor , Serbia, 2014, pp. 273 - 276
29. M. Dimitrijević, S. Alagić, M. Nujkić, S. Milić: IMPACT OF METALLURGICAL ACTIVITIES ON THE CONTENT OF HEAVY METALS IN SPATIAL SOIL AND PLANT PARTS OF PEACH GROWING NEAR BOR LAKE, 46th International October Conference on Mining and Metallurgy, IOC 2014, Hotel Jezero, Bor Lake, Bor, Serbia, 2014, pp. 277 - 280
30. S. Dimitrijević, M. Rajčić Vujasinović, S. Alagić, S. Pavlović, B. Stanković, N. Kotur: AN "IN VITRO" INVESTIGATION OF THE GOLD COMPLEX BASED ON MERCAPTOTRIAZOLE TOXICITY, XXII Međunarodna konferencija "EKOLOŠKA ISTINA" ECO-IST/International Conference "Ecological Truth", ECO-IST'14, Hotel "Jezero" Bor Lake, Bor, Serbia, 2014, pp. 105 - 110
31. S. Dimitrijević, M. Rajčić Vujasinović, V. Grekulović, S. Alagić, V. Trujić: Effect of gold concentration on the electrochemical characteristics of gold complex based on mercaptotriazole, 46th International October Conference on Mining and Metallurgy, IOC 2014, Hotel Jezero, Bor Lake, Bor, Serbia, 2014, pp. 398 - 401

32. S. Dimitrijević, M. Rajčić Vujasinović, V. Grekulović, S. Alagić, V. Trujić: Stability of gold complex based on mercaptotriazole in alkaline media, 65th Annual Meeting of the International Society of Electrochemistry, Ubiquitous Electrochemistry, Lausanne, Switzerland, 2014, pp. ise140262
33. V. Krstic, J. Kalinović, S. Šerbula, T. Kalinović, A. Radojević: Content of Cu, Zn, Mn, Ni and total sulphur in edible parts of vegetables sampled in the surroundings of Bor region, CEECHE, The Central and Eastern European Conference on Health and the Environment, Cluj-Napoca, Romania, 2014, pp.
34. S. Šerbula, N. Dolić, S. Manasijević, T. Kalinović, M. Ljubomirović: Atmospheric deposition in the surroundings of open pits and flotation tailings, International conference on materials, tribology, recycling MATRIB 2014, Vela Lula, Croatia, 2014, pp. 526 - 541
35. M. Petrović Mihajlović, M. Radovanović, A. Simonović, S. Milić, M. Antonijević: Uticaj adenina na koroziju bakra u rastvoru morske vode, 16. YuCorr, Tara, Serbia, 2014, pp. 204 - 209
36. D. Tanikić, M. Manić, S. Randelović, D. Đenadić, D. Brodić: Determination of the characteristic transformation temperatures of the biocompatible shape memory alloys, International Academic Conference on Engineering, Internet and Technology, Prague, Czech Republic, 2014, pp. 35 - 40
37. D. Tanikić, M. Pantović, V. Tasić, M. Žikić: The artificial neural network based system for air pollution prediction, XXII International Scientific Conference Ecological Truth, Borsko jezero, Serbia, 2014, pp. 197 - 203
38. S. Nestorović, I. Marković, M. Milenovic, M. Velinovic: The Influence of Powder Metallurgy on Human Health and on the Environment Polution, 22nd International Conference "Ecological Truth", Bor lake, Serbia, 2014, pp. 631 - 636
39. S. Nestorović, D. Živković, M. Rajčić Vujasinović, I. Marković: Influence of Alloying With Palladium on Anneal Hardening Effect of Copper Alloy, 18th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology", Budapest, Hungary, 2014, pp. 461 - 464
40. S. Nestorović, I. Marković, D. Marković, M. Rajčić Vujasinović: Effect of Deformation Degree on Microstructure and Anneal Hardening in Cu-Pd Alloy, 46th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 2014, pp. 624 - 627
41. I. Marković, S. Nestorović, D. Marković, L. Ivanić: Isothermal Annealing Behavior of Cold-Deformed Copper-Gold Alloys, 46th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 2014, pp. 628 - 631
42. S. Ivanov, E. Požega, L. Ivanić, D. Gusković, I. Marković, L. Balanović, S. Mladenović: A Regression Model to Predict the Boride Layers Thickness After the

Pack-Boriding Process, The 46th International October Conference on Mining and Metallurgy - IOC 2014, Bor Lake, Bor, Serbia, 2014, pp. 701 - 704

43. M. Sokić, B. Marković, V. Matković, N. Štrbac, Ž. Kamberović, D. Živković, V. Manojlović: Leaching of Complex Sulphide Concentrate in Oxidative Sulphuric Acid Solution, VIth International Metallurgical Congress, Ohrid, Macedonia, 2014, pp. EM-3
44. B. Marković, M. Sokić, V. Matković, D. Živković, D. Manasijević, N. Štrbac: Thermodynamic and kinetic analysis of the chlorination of copper (I) sulphide in the $\text{Cu}_2\text{S}-\text{CaCl}_2-\text{O}_2$ system, VIth International Metallurgical Congress, Ohrid, Macedonia, 2014, pp. EM-1
45. D. Živković, N. Štrbac, A. Mitovski, M. Sokić, S. Petković, V. Andrić, J. Lamut, B. Andjelić, B. Ilijić, L. Balanović, S. Budić Bugarić: Preliminary aspects on characterization of metallurgical remains from archaeological site Ravna (Serbia), 46th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 2014, pp. 192 - 195
46. D. Živković, D. Manasijević, S. Nestorović, N. Talijan, V. Čosović, L. Balanović, N. Štrbac, D. Minić, M. Sokić: Structural analysis of some Bi-Ga-Ni alloys, 18th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology TMT 2014", Budapest, Hungary, 2014, pp. 121 - 124
47. V. Čosović, N. Talijan, D. Živković, A. Čosović, T. Žak, B. David: Nanocrystalline Powders Precipitated with Addition of Soluble Starch as a Dispersing Agent, 18th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2014, Budapest, Hungary, 2014, pp. 141 - 144
48. N. Štrbac, M. Sokić, D. Živković, V. Matković, B. Marković: Environmentally friendly complex sulphide-barite ore treatment by leaching in ferric chloride solution, 4th International Symposium on Environmental and Material Flow Management EMFM2014, Bor Lake, Serbia, 2014, pp. 100 - 107
49. A. Mitovski, N. Štrbac, D. Živković, L. Balanović, D. Manasijević, M. Sokić, V. Grekulović, R. Nikolić: A Comparative Review of Pyrometallurgical and Hydrometallurgical Processes of Copper Production from E-waste Based on Environmental and Economic Parameters, 4th International Symposium on Environmental and Material Flow Management EMFM2014, Bor Lake, Serbia, 2014, pp. 120 - 126
50. L. Gomidželović, D. Živković, D. Manasijević, V. Čosović, N. Talijan: Innovative approach to development of new gold-based eco solder alloy, 4th International Symposium on Environmental and Material Flow Management – EMFM14, Bor Lake, Serbia, 2014, pp. 145 - 149
51. A. Mitovski, N. Štrbac, M. Sokić, D. Živković, L. Balanović, M. Vuković, G. Stojanović: Arsenic distribution in the environment and its influence on human health,

XXII International Conference Ecological Truth – ECOIST14, Bor Lake, Serbia, 2014, pp. 638 - 644

52. M. Gorgievski, N. Štrbac, D. Božić, V. Stanković, D. Živković: Removal of copper ions from aqueous solution by wheat straw and beech sawdust, XXII International Conference Ecological Truth – ECOIST14, Bor Lake, Serbia, 2014, pp. 271 - 276
53. Z. Stanojević Šimšić, D. Živković, T. Holjevac Grgurić, I. Marković, R. Todorović, D. Manasijević, A. Kostov, M. Gojić, K. Terzić: Investigation of microstructural and mechanical characteristics of the alloys from section with 90 at% Cu in ternary Cu-Al-Ag system, 14th International Foundrymen Conference, Development and Optimization of the Casting Production Processes, Opatija, Croatia, 2014, pp. 37
54. D. Živković, A. Prvulović, T. Holjevac Grgurić, D. Manasijević, Y. Du, M. Gojić, A. Kostov, Z. Stanojević Šimšić, L. Balanović, S. Kožuh, R. Todorović: Kinetics of phase transformations in Cu-2wt.%Al-8wt.%Ag and Cu-4wt.%Al-6wt.%Ag alloys, 46th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 2014, pp. 611 - 614
55. V. Čosović, A. Čosović, T. Žak, B. David, N. Talijan, D. Živković: Thermomagnetic analysis and its influence on structure and magnetic properties of NiFe₂O₄ nanocrystalline powders, 46th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 2014, pp. 330 - 333
56. D. Minić, M. Premović, V. Čosović, D. Manasijević, L. Nedeljković, D. Živković, A. Ristovski: Experimental investigation of the Cu-In-Ni phase diagram at 400oC, 46th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 2014, pp. 497 - 500
57. D. Živković, D. Čubela, A. Giković Gekić, D. Manasijević, L. Balanović, N. Štrbac, A. Mitovski, L. Gomidželović: Characterization of eutectic Au-Ge alloy, 46th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 2014, pp. 176 - 179
58. M. Stevanović, A. Mitovski, D. Živković, N. Štrbac, S. Živković, A. Mladenović, S. Vasković: Internet navike dece školskog uzrasta u nekim selima Borske opštine, Singidunum University International Scientific Conference SINTEZA, Belgrade, Serbia, 2014, pp. 351 - 355
59. N. Štrbac, M. Niculović, D. Živković: Usage of internet marketing in business communication, 17. međunarodna DQM konferencija Upravljanje kvalitetom i pouzdanošću , 5th DQM international conference life cycle engineering and management ICDQM-2014 Belgrade, Belgrade, Serbia, 2014, pp. 567 - 572
60. M. Premović, D. Manasijević, D. Minić, D. Živković: Definition of the phase diagram and experimental investigations of the ternary Ge-In-Sb system, 46th International October Conference on Mining and Metallurgy IOC2014, Bor Lake, Serbia, 2014, pp. 489 - 492

61. M. Premović, D. Manasijević, D. Minić, D. Živković: Experimental investigation and thermodynamic calculation of the Ag-Ge-Sb phase diagram, 46th International October Conference on Mining and Metallurgy IOC2014, Bor Lake, Serbia, 2014, pp. 493 - 496
62. A. Aljilji, N. Aljilji, D. Živković: Hardness and isothermal sections of ternary Cu–In–Sb system at 400oC, 46th International October Conference on Mining and Metallurgy IOC2014, Bor Lake, Serbia, 2014, pp. 505 - 508
63. Z. Stošić, D. Živković, D. Manasijević, Đ. Nikolić: Influence of knowledge integration on technology commercialization – case study RTB Bor, 46th International October Conference on Mining and Metallurgy IOC2014, Bor Lake, Serbia, 2014, pp. 667 - 670
64. L. Gomidželović, D. Živković, J. Medved, T. Holjevac Grgurić, B. Trumić, V. Krstić: Al-Cu-Mn system: investigation of thermodynamic properties by RKM model, 46th International October Conference on Mining and Metallurgy IOC2014, Bor Lake, Serbia, 2014, pp. 293 - 296
65. M. Gorgievski, N. Štrbac, V. Stanković, D. Božić, M. Cakić: Column adsorption of nickel ions from aqueous solution using wheat straw and beech sawdust, 46th International October Conference on Mining and Metallurgy IOC2014, Bor Lake (Serbia), Serbia, 2014, pp. 469 - 472
66. Z. Stanojević-Šimšić, V. Conić, S. Dragulović, D. Božić, M. Gorgievski, Z. Ljubomirović, L. Mladenović: Tungsten carbide recycling, 46th International October Conference on Mining and Metallurgy IOC2014, Bor Lake (Serbia), Serbia, 2014, pp. 160 - 163
67. S. Stojadinović, M. Denić, M. Žikić, R. Pantović, G. Stojanović: Ventilation air methane resource potential of “Soko” coalmine, Ecological Truth Eco-Ist 14, Bor Lake, Serbia, 2014, pp. 230 - 235
68. S. Stojadinović, M. Žikić, R. Pantović: Optimization of the delay time using systematic variation and synthetic time series from seismic blasthole signature, The 46th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 2014, pp. 44 - 47
69. M. Denić, S. Kokerić, S. Stojadinović, I. Knežević, D. Joković: The role of information-alarm center in control of gas ventilation parameters in the pit of RMU “Soko”, Ecological Truth Eco-Ist 14, Bor Lake, Serbia, 2014, pp. 240 - 244
70. J. Đoković, R. Nikolić, J. Vičan: Behavior of a crack approaching interface at an arbitrary angle, 3rd International Scientific Conference on Engineering “Manufacturing and Advanced Technologies” MAT 2014, Mostar, Bosnia and Herzegovina, 2014, pp. 60 - 65

71. N. Aksić, M. Živković, M. Žikić, V. Milić, S. Stojadinović, R. Pantović, S. Mitrović, Z. Stojanović, T. Vučković, Ž. Stanisavljević: Opening of Čukaru Peki mine from jama Bor underground facilities, The 46th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 2014, pp. 485 - 488
72. M. Miljković, J. Sokolović, R. Stanojlović: Preparation of solidifying backfill for environmental protection, 46th International October Conference on Mining and Metallurgy – IOC 2014, Bor Lake, Bor, Serbia, 2014, pp. 223 - 229
73. G. Strainović, Z. Marković, Z. Štirbanović, J. Sokolović, D. Milanović: The effect of collector types on initial flotation rate on copper minerals in first three minutes, 46th International October Conference on Mining and Metallurgy – IOC 2014, Bor Lake, Bor, Serbia, 2014, pp. 715 - 718
74. G. Strainović, Z. Marković, J. Sokolović, Z. Štirbanović, D. Milanović: Application of collector type thionocarbamate for flotation of low grade copper ore, Mineral Engineering Conference - MEC 2014, Istebna, Poland, 2014, pp. 312 - 317
75. R. Stanojlović, Z. Marković: Valorization of coal from old tailings ponds from anthracite mine "Vrska Cuka" Avramica, Serbia, XXVII International Congress of Mineral Processing – IMPC 2014, Santiago, Chile, 2014, pp.
76. I. Nikolić, I. Mihajlović, N. Nikolić: VERIFICATION OF LINEAR MODEL FOR PREDICTING THE MOVEMENT OF STEEL PRICES IN THE WORLD MARKET, International May Conference on Strategic Management - IMKSM2014, Bor, Serbia, 2014, pp. 212 - 217
77. N. Nikolić, I. Mihajlović, I. Nikolić: PERFORMANCE OPTIMIZATION OF PROFESSIONAL WEB SITE BY USING SEO METHODS , International May Conference on Strategic Management - IMKSM2014 , Bor's Lake, Serbia, 2014, pp. 1022 - 1030
78. M. Savić, P. Đorđević, T. Ranđelović, Ž. Živković, Đ. Nikolić: Impact of quality tools application of business processes and performance of the company , International May Conference on Strategic Management - IMKSM2014, Bor, Serbia, 2014, pp. 576 - 585
79. Z. Marković, Z. Štirbanović, J. Sokolović, G. Strainović, D. Milanović: Flotation of low grade copper ore by tionocarbamate collectors, Shechtman International Symposium, Fiesta Americana Condesa, Cancun, Mexico, 2014, pp. 411 - 418
80. Z. Marković, Z. Štirbanović, J. Sokolović, R. Pantović, L. Marković: Utilization of oil shale from Aleksinac coal basin in cement industry as alternative energy source, Shechtman International Symposium, Fiesta Americana Condesa, Cancun, Mexico, 2014, pp. 297 - 302

81. M. Cocić, S. Dević, S. Erić: Electron microscopy in the function of determining the mineralogical character of clay, 5. Internacionalni naučno-stručni skup, Građevinarstvo – Nauka I praksa, Žabljak, Afghanistan, 2014, pp. 1813 - 1820
82. M. Cocić, M. Logar, S. Dević, B. Matović, T. Husović-Volkov, S. Cocić : Final flotation waste kinetics of sintering, XXII International conference Ecological Truth, Bor, Serbia, 2014, pp. 204 - 208
83. S. Dević, S. Erić, M. Cocić: Electronic microanalysis as a supplement to zeolite characterization with the view of more heterogeneous and more successful applicability, The 46th International October conference on Mining and Metallurgy, Bor, Serbia, 2014, pp.
84. M. Arsić, D. Voza, M. Savić, A. Fedajev: Factors that contribute to SME innovativeness in transition economy, Serbia, II International May Conference on Strategic Management, Borsko jezero, Serbia, 2014, pp. 851 - 855
85. M. Arsić, Ž. Živković, D. Voza: Evaluation of air quality in Belgrade urban area, 4th International Symposium on Environmental and Material Flow Management, Bor Lake, Serbia, 2014, pp.
86. N. Vušović, D. Petrović, I. Kukolj: Prediction of accidents initiated by pneumatic brake system failure on dumper trucks, The 46th International October Conference on Mining and Metallurgy, Bor Lake, Bor, Serbia, 2014, pp. 457 - 460
87. N. Vušović, D. Petrović, R. Pantović, S. Tripković: Overarching mining hazards – environmental risks (Ekological risks), XXII International Conference "Ecological Truth" Eco-Ist'14, Bor Lake, Bor, Serbia, 2014, pp. 544 - 550
88. R. Nikolić, N. Vušović, A. Fedajev, I. Svrkota: Some parameters of RTB Bor business activity, The 46th International October Conference on Mining and Metallurgy, Bor Lake, Bor, Serbia, 2014, pp. 641 - 644
89. G. Bogdanović, D. Antić, L. Andrić, V. Stanković, M. Trumić, M. Trumić: Application of Zeolites in Remediation and Environmental Protection, XXII International Conference „Ecological Truth“ Eco-Ist'14, Hotel “Jezero”, Bor Lake, Bor, Serbia, 2014, pp. 209 - 215
90. G. Bogdanović, D. Jovišić, M. Trumić, D. Antić, M. Trumić: Dissolution of Heavy Metals from Sewage Sludge Generated by Wastewater Treatment Process, 46th International October Conference on Mining and Metallurgy, Hotel „Jezero“, Bor Lake, Bor, Serbia, 2014, pp. 684 - 687
91. M. Radovanović, M. Petrović Mihajlović, A. Simonović, Ž. Tasić, S. Milić, M. Antonijević: The behaviour of Cu³⁷Zn in an hydrochloric acid solution in the presence of cysteine as a non-toxic corrosion inhibitor, XXII International Conference Ecological Truth Eco-Ist'14, Hotel "Jezero", Bor Lake, Bor, Serbia, 2014, pp. 117 - 123

92. M. Radovanović, M. Petrović Mihajlović, A. Simonović, Ž. Tasić, S. Milić, M. Antonijević: Influence of L-tryptophan and its derivatives on copper corrosion in a hydrochloric acid solution, 46th International October Conference on Mining and Metallurgy IOC 2014, Bor Lake, Bor, Serbia, 2014, pp. 112 - 115
93. Z. Stević, M. Rajčić Vujasinović, D. Antić, V. Nikolić: Universal Laboratory System for Measurement Based on PC, I МЕЖДУНАРОДНАЯ НАУЧНО-ПРАКТИЧЕСКАЯ КОНФЕРЕНЦИЯ КСИТ, Днепропетровск, Ukraine, 2014, pp. 246 - 249
94. D. Đenadić, . Manić, D. Tanikić, J. Đoković, M. Žikić, D. Petrović, G. Stojanović: Analysis of total knee prostheses using the finite element method, The 46th International October Conference on Mining and Metallurgy, Borsko jezero, Serbia, 2014, pp. 651 - 654
95. D. Đenadić, M. Manić, D. Tanikić, J. Đoković, M. Žikić, D. Petrović, G. Stojanović, S. Randelović: Finite element analysis of total knee replacement during gait cycle, The 46th International October Conference on Mining and Metallurgy, Bor's lake - Borsko jezero, Serbia, 2014, pp. 693 - 696
96. I. Jovanović: Quantitative approach in risk analysis on the project "Construction of the fiber optic cables network for the msan device connection", X International may conference on strategic management - IMKSM2014, Bor's Lake, Bor, Serbia, 2014, pp. 975 - 986
97. Z. Stević, M. Rajčić Vujasinović, V. Grekulović, M. Tripunović, D. Topisirović: Mogućnost povećanja stepena iskorišćenja fotonaponskih panela, INFOTEH-Jahorina , Jahorina, Bosnia and Herzegovina, 2014, pp. 327 - 330
98. Z. Stević, M. Rajčić Vujasinović, S. Ivanov, V. Grekulović, E. Požega: Thermal imaging research of hybrid solar systems based on photovoltaic and thermoelectric modules. , XVth international scientific-practical conference 'Modern information and electronic technologies' («MIET-2014») , Odessa,, Ukraine, 2014, pp. 75 - 78
99. M. Gojo, G. Baršić , V. Grekulović, M. Rajčić Vujasinović, V. Stanković: Nickel-TiO₂ composite coatings – surface characterization, MATRIB 2014 , Vela Luka, Croatia, 2014, pp. 155 - 163
100. Z. Marković, Z. Štirbanović, D. Milanović, D. Urošević: Copper slag characterization for reprocessing by flotation, 46th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 2014, pp. 710 - 714
101. E. Požega , S. Ivanov, Z. Stević: Materials for thermoelectric modules, The 46th International October Conference on Mining and Metallurgy - IOC 2014, Bor Lake, Bor, Serbia, 2014, pp. 589 - 592
102. A. Ivanović, B. Trumić, S. Ivanov, S. Marjanović: Prediction of mechanical characteristics after recrystallization annealing of PdNi₅ alloy by using statistical

- analysis, 18th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" - TMT 2014, Budapest, Hungary, 2014, pp. 105 - 108
103. V. Grekulović, M. Rajčić Vujasinović, Z. Stević, R. Grekulović: Electrochemical behaviour of AgCu50 alloy in 0.1 M NaOH in the presence of benzotriazole, 46th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 2014, pp. 637 - 640
 104. N. Štrbac, A. Mitovski, M. Sokić, D. Manasijević, J. Stojanović, Đ. Nikolić, P. Đorđević, M. Vuković, I. Mihajlović: Characterization of copper based complex concentrate, 46th International October Conference on Mining and Metallurgy, Bor Lake, Bor, Serbia, 2014, pp. 697 - 700
 105. I. Mihajlović, Ž. Živković, I. Milošević, P. Đorđević: Development of the algorithm for selection of appropriate numerical modeling approach, International May Conference on Strategic Management, Bor, Serbia, Serbia, 2014, pp. 987 - 988
 106. Z. Marković, Z. Štirbanović, D. Milanović, D. Urošević, F. Kongoli: Microscopy Analysis of Copper Slag and its Processing by Flotation, Shechtman International Symposium, Fiesta Americana Condesa, Cancun, Mexico, 2014, pp. 231 - 236
 107. Z. Marković, F. Kongoli, R. Pantović, Z. Štirbanović: Sustainable Mining Waste Management in Bor Basin Serbia, Shechtman International Symposium, Fiesta Americana Condesa, Cancun, Mexico, 2014, pp. 199 - 208
 108. M. Sokić, I. Ilić, V. Manojlović, B. Marković, Z. Gulišija, M. Pavlović, N. Štrbac: Modelling and forecasting of end of life vehicles number distribution in Serbia, 46th International October Conference on Mining and Metallurgy, Bor Lake, Bor, Serbia, 2014, pp. 449 - 452
 109. A. Tripić-Stanković, B. Popović, A. Čosović, V. Adamović, M. Sokić, N. Štrbac: Atmospheric PM concentrations in urban area - simple interpretation of ambient air monitoring data, 46th International October Conference on Mining and Metallurgy, Bor Lake, Bor, Serbia, 2014, pp. 413 - 416
 110. B. Trumic, A. Ivanovic, L. Gomidzelovic, S. Marjanović, V. Krstic: Comparative analysis of high temperature strength of platinum and its binary alloys, 18th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2014, Budapest, Hungary, 2014, pp. 101 - 104
 111. A. Ivanovic, B. Trumic, S. Vusovic, S. Marjanović, D. Stankovic: Mechanical properties of cold drawn PdNi5 wires after electrical resistance annealing, 46th International October Conference on Mining and Metallurgy, Bor Lake, Bor, Serbia, 2014, pp. 232 - 235

112. B. Trumic, L. Gomidzelovic, A. Ivanovic, V. Krstic, S. Marjanović, H. Poluraliakbar, G. Khalaj: Pt-based alloys: Effect of impurities content on the creep rate, rupture time and relative elongation, 46th International October Conference on Mining and Metallurgy, Bor Lake, Bor, Serbia, 2014, pp. 338 - 341
113. D. Riznić, M. Vuković, T. Rajić: "Publicity in the marketing activities of Serbian railways", International May Conference on Strategic Management – IMKSM 2014, Bor's Lake, Serbia, 2014, pp. 782 - 794
114. D. Riznić, M. Manić, Z. Obradović: "Informaciono-komunikacione tehnologije u savremenom globalnom poslovanju zasnovane na znanju", , III Međunarodni naučni skup "Moć komunikacije 2014", , Beograd, Serbia, 2014, pp. 73 - 83
115. M. Manić, D. Riznić, R. Cvejić : "Novi marketing izazovi kompanija u Srbiji u Internet eri savremenih digitalnih komunikacija", III Međunarodni naučni skup "Moć komunikacije 2014", Beograd, Serbia, 2014, pp. 241 - 253
116. R. Perić, Z. Karastojković, Z. Janjušević, N. Bajić, V. Čosović, D. Gusković: Hardness and specific electrical conductivity measurements of aged gold alloy 585 with palladium, 46th International October Conference on Mining and Metallurgy, Bor Lake, Bor, Serbia, 2014, pp. 461 - 464
117. R. Nikolić, A. Fedajev, D. Riznić: NATURAL RESOURCE MANAGEMENT AS A FUNCTION OF SUSTAINABLE DEVELOPMENT IN MODERN CONDITIONS, 4 TH INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL AND MATERIAL FLOW MANAGEMENT, Borsko jezero, Serbia, 2014, pp. 158 - 166
118. A. Fedajev, R. Nikolić: ANALYSIS OF PROGRESS IN TRANSITION PROCESS AND ITS IMPACT ON ECONOMIC DEVELOPMENT AND EXPORT ACTIVITY OF TRANSITION COUNTRIES , International May Conference on Strategic Management - IMKSM2014 , Borsko jezero, Serbia, 2014, pp. 856 - 866
119. D. Riznić, R. Nikolić, G. Stojanović : THE ECONOMICS OF CLIMATE CHANGE AND MANAGING THE RISK CAUSED BY THE CLIMATIC CHANGES AT LOCAL LEVEL , 4th International symposium on environmental and material flow management, Bor's Lake, Serbia, 2014, pp. 190 - 205
120. D. Riznić, G. Stojanović, A. Fedajev: THE IMPORTANCE OF ORGANIZATIONAL STRUCTURE IN MACHINE INDUSTRY COMPANIES , 14th International Conference "Research and Development in Mechanical Industry" - RaDMI 2014,, Topola, Serbia, 2014, pp. 591 - 598
121. G. Stojanović, D. Riznić, R. Nikolić: SIGNIFICANCE AND CHARACTERISTICS OF MECHANICAL INDUSTRY OF TIMOK REGION IN ECONOMIC DEVELOPMENT OF SERBIA, 14th International Conference

"Research and Development in Mechanical Industry" - RaDMI 2014, Topola, Serbia, 2014, pp. 609 - 616

122. N. Milijić, A. Jovanović, I. Mihajlović: Bezbednost radnika pri izvođenju investicionih projekata u Srbiji, XVIII Internacionalni simpozijum iz projektnog menadžmenta, YUPMA 2014, Beograd, Serbia, 2014, pp. 297 - 301
123. S. Ranđelović, I. Kostić, D. Tanikić, D. Đenadić: Failure Mode and Effects Analysis as Support Orthopedic Surgery, 6th International ICT Conference, Niš, Serbia, 2014, pp. 147 - 150
124. D. Đenadić, D. Tanikić, J. Đoković: Comparative techno-economic analysis of technologies for creation of personalized osteofixation materials, INTERNATIONAL MAY CONFERENCE ON STRATEGIC MANAGEMENT, Bor, Serbia, 2014, pp. 900 - 910
125. B. Maluckov, V. Tasic, S. Mladenović, Č. Maluckov: The magnetic field from laptop computers, ECO-IST,14 , Bor, Serbia, 2014, pp. 531 - 535
126. J. Pejković, B. Maluckov, V. Tasić, Č. Maluckov, D. Denić: Investigation of the green barrier influences on the traffic noise level , Proceedings of XXII International conference Ecological Truth, ECO-IST'14 , Bor, Serbia, 2014, pp. 359 - 363

M34 - 32

1. J. Đoković, R. Nikolić, J. Vičan, D. Đenadić: Dynamic growth of an interfacial crack between the two anisotropic materials,, 1st International Symposium on Machines, Mechanics and Mechatronics - Current Trends, Belgrade, Serbia, 2014
2. J. Đoković, R. Nikolić, J. Bujnak: Thermal characteristics of sandwich plates with prismatic cores, XXIII R-S-P Seminar, Theoretical foundation of civil engineering (23RSP), Wroclaw, Poland, 2014
3. I. Đolović: Application of Hausdorff Measure of Noncompactness in Characterization of Fredholm Operators on Certain Sequence Spaces, 25th International Conference on Operator Theory, Temišvar, Romania, 2014
4. I. Đolović: Remarks on Some Results Related to Some Duals of Certain Sequence Spaces, International Conference "Analysis, Topology and Applications 2014", Vrnjačka Banja, Serbia, 2014
5. I. Đolović: Characterization of Some Classes of Operators, 13. Srpski matematički kongres, Vrnjačka Banja, Serbia, 2014
6. S. Urošević, B. Završnik : CHARACTERISTICS BRANDING & BRAND MANAGEMENT IN THE FASHION INDUSTRY , International Scientific conference „Inovative solutions for sustainable development of textiles and leather industry", Oradea, Romania, 2014, pp. 143 - 144

7. S. Urošević, M. Stamatović: KNOWLEDGE MANAGEMENT AND HUMAN RESOURCES-FACTORS THAT CONTRIBUTE TO ORGANIZATIONAL PERFORMANCE, International Scientific Conference, Management 2014, Belgrade-Mladenovac, Serbia, 2014, pp. 283 - 284
8. S. Urošević, D. Đorđević: TEXTILE DYE AS POTENTIAL DANGEROUS POLLUTERS, International scientific conference, International scientific conference, SUSTAINABLE ECONOMY AND THE ENVIRONMENT,, Belgrade, Serbia, 2014, pp. 132
9. S. Urošević, G. Kokeza, B. Pejčić: IMPACT OF AGRO-INDUSTRIAL SECTOR ON ENVIRONMENT , International scientific conference, SUSTAINABLE ECONOMY AND THE ENVIRONMENT, Belgrade, Serbia, 2014, pp. 135 - 136
10. J. Mitić, S. Urošević, N. Stojanović, M. Šmelcerović, D. Đorđević: THE DYEING PROCESS OF KNITTED FABRICS AT DIFFERENT TEMPERATURES USING ULTRASOUND , International Scientific conference „Inovative solutions for sustainable development of textiles and leather industry, , Oradea, Romania, 2014, pp. 45 - 46
11. J. Mitić, N. Stojanović, M. Šmelcerović, S. Urošević, D. Đorđević: DYEING OF KNITTED MICRO-VISCOSE IN THE PRESENCE OF ULTRASOUND WITH DIFERENT FREQUENCIES, International Scientific conference „Inovative solutions for sustainable development of textiles and leather industry", Oradea, Romania, 2014, pp. 47 - 48
12. U. Stamenković: Representation of microstructure of artificially aged 6061 aluminum alloy using two different etching solutions, Thirteenth young researchers' conference materials science and engineering, Beograd, Serbia, 2014, pp. 24 - 24
13. M. Gorgievski, N. Štrbac, D. Božić, V. Stanković, D. Živković: Removal of nickel ions from synthetic solutions using wheat straw and beech sawdust, International Scientific Conference on Sustainable Economy and the Environment, Belgrade, Serbia, 2014, pp. 148
14. Z. Stanojević Šimšić, D. Živković, D. Manasijević, T. Holjevac Grgurić, Y. Du, A. Kostov, R. Todorović: Thermal analysis of the alloys in copper rich region of Cu-Al-Ag system, CALPHAD 2014, Chagsha, China, 2014, pp. 237
15. M. Premović, D. Manasijević, D. Minić, D. Živković: Experimental investigation and thermodynamic calculation of the Ge–In–Sb phase diagram, Thermodynamics of Alloys - TOFA2014, Brno, Czech Republic, 2014, pp. 117
16. D. Živković, D. Manasijević, D. Minić: Thermodynamics and phase equilibria of alloys – recent investigations of the Serbian team in the field for 2011-2014 period, XIV APDTC Meeting, Krakow, Poland, 2014, pp. 10

17. A. Mitovski, N. Štrbac, D. Manasijević, M. Sokić, A. Daković, D. Živković: Thermal analysis and kinetics of the chalcopyrite-pyrite copper concentrate oxidation process, 11th International Symposium of Croatian Metallurgical Society SHMD 2014, Šibenik, Croatia, 2014, pp. 404
18. L. Gomidželović, A. Kostov, D. Živković: Investigation of thermodynamic properties of Cu-Al-Zn alloys, Serbian Ceramic Society Conference-Advanced Ceramics and Applications III: New Frontiers in Multifunctional Material Science and Processing, Belgrade, Serbia, 2014, pp. 124
19. Z. Stanojević Šimšić, D. Živković, A. Kostov, D. Manasijević, T. Holjevac Grgurić, I. Marković, R. Todorović: Microstructural investigation of the ternary Cu-Al-Ag system, Serbian Ceramic Society Conference –Advanced Ceramics and Application III, Belgrade, Serbia, 2014, pp. 123
20. N. Kostić, D. Živković, S. Stojadinović, D. Manasijević, L. Balanović: Prediction of electrical resistivity values for binary alloys in Ag-Au-Cu-Pd system using artificial neural networks, 13rd Young Researchers Conference – Materials, Science and Engineering, Belgrade, Serbia, 2014, pp.
21. J. Sokolović, R. Stanojlović, S. Stanković, V. Gardić: Treatment of oily wastewater from Copper Mine Bor by adsorption and flotation, 46th International October Conference on Mining and Metallurgy – IOC 2014, Bor Lake, Bor, Serbia, Serbia, 2014, pp. 709 - 709
22. I. Nikolić, I. Mihajlović, A. Fedajev, P. Đorđević, N. Nikolić: Verification of linear models for predicting the movement of the Dow Jones Global Index, International May Conference on Strategic Management - IMKSM2014 , Bor's Lake, Serbia, 2014, pp. 987 - 987
23. M. Savić, P. Đorđević, Đ. Nikolić, I. Mihajlović, Ž. Živković: Bayes-ov zaključak procene rizika pozicije studijskog programa u integrisani univerzitet - studija slučaja: inženjerski menadžment na Tehničkom fakultetu u Boru, International May Conference on Strategic Management - IMKSM2014, Bor, Serbia, 2014, pp. 41 - 42
24. M. Radovanović, M. Petrović Mihajlović, A. Simonović, S. Milić, M. Antonijević: Elektrohemijsko ponašanje bakra u rastvoru natrijum-tetraborata u prisustvu 2-amino-5-etil-1,3,4-tiadiazola, 51. savetovanje Srpskog hemijskog društva i 2. konferencija mladih hemičara Srbije, Niš, Serbia, 2014, pp. 16 - 16
25. I. Mihajlović, N. Štrbac, P. Đorđević, Ž. Živković: Determining the optimal conditions of the industrial waste treatment using factorial experimental design, 4th International Symposium on Environmental and Material Flow Management – EMFM14, Bor, Serbia, Serbia, 2014, pp. 17 - 17
26. D. Koccev: Menger-type covering properties of topological spaces, Analysis, Topology and Applications, Vrnjačka Banja, Serbia, 2014, pp.

27. D. Kocev: Weak covering properties in relator spaces, International Conference on Topology and its Applications, Nafpaktos, Greece, 2014, pp. 66
28. I. Radojević: Quasihyponormal, EP and J-EP matrices in indefinite inner product spaces, XIII serbian mathematical congress, Vrnjačka banja, Serbia, 2014, pp.
29. I. Radojević: Some classes of matrices in indefinite inner product spaces, Analysis, Topology and Applications 2014 (ATA2014), Vrnjačka banja, Serbia, 2014, pp.
30. D. Riznić, M. Manić, T. Rajić: "Održivi marketing menadžment - veza između održive proizvodnje i potrošnje", Održiva privreda i životna sredina, Beograd, Serbia, 2014, pp.
31. D. Riznić, B. Vojnović, A. Dukić: Ekonomski aspekti održivog razvoja privrede, Međunarodna naučna konferencija „Održiva privreda i životna sredina“, , Beograd, Serbia, 2014, pp.
32. M. Savić, Đ. Nikolić, Ž. Živković: Multi-criteria optimization of batch composition for the hydrometallurgical process of zinc production, 4th International Symposium on Environmental and Material Flow Management – EMFM14, Borsko jezero, Serbia, 2014, pp. 152

M36 - 4

1. N. Štrbac, D. Živković, S. Nestorović: Proceedings, 46th International October Conference on Mining and Metallurgy, Bor Lake, Serbia, 2014, pp.
2. D. Živković, Ž. Živković: Book of Abstracts, 4th International Symposium on Environmental and Material Flow Management, Bor Lake, Serbia, 2014, pp.
3. L. Balanović, D. Živković, N. Štrbac: Book of Abstracts, 1st International Student Conference on mining, metallurgy, chemical engineering, materials science and related fields, Bor Lake, Serbia, 2014, pp.
4. Z. Stević: Proceedings of International Conference „Nuremberg tree days 2014“, 2014

M41 - 1

1. N. Vušović, D. Đorđević: PROGNOZNI PRORAČUN POMERANJA I DEFORMACIJA POTKOPANOG TERENA, Editors: Prof. dr Ivan Obradović, RGF Beograd, Publisher: Univerzitet u Beogradu - Rudarsko-geološki fakultet, Printed by Grafomed Trade Bor, ISBN 978-86-7352-249-4, pp. 1 - 311, 2014

M51 - 19

1. S. Urošević, G. Kokeza , B. Pejčić: Uticaj agroindustrijskog sektora na životnu sredinu , Ecologica, ISSN 0354-3285, Vol. XXI, No. 75, pp. 462 - 467, 2014

2. S. Alagić, M. Dimitrijević, A. Grujić: Mehanizmi fitoremedijacije perzistentnih organskih zagađujućih supstanci: trihlor-etilena i polihlorovanih bifenila iz kontaminiranih zemljišta, *Ecologica*, ISSN 0354-3285, Vol. 21, No. 73, pp. 61 - 66, 2014
3. D. Riznić, S. Alagić, G. Stojanović: Održivi razvoj i adaptacija privrede na ekološke probleme, *Ecologica*, ISSN 0354-3285, Vol. 21, No. 76, pp. 849 - 854, 2014
4. M. Sokić, S. Radosavljević, B. Marković, V. Matković, N. Štrbac, Ž. Kamberović, D. Živković: Influence of chalcopyrite structure on their leaching by sodium nitrate in sulphuric acid, *Metallurgical and Materials Engineering (ex MJOM)*, ISSN 2217-8961, Vol. 20, No. 1, pp. 53 - 60, 2014
5. M. Gorgievski, N. Štrbac, D. Božić, V. Stanković, D. Živković: Removal of nickel ions from synthetic solutions using wheat straw and beech sawdust, *Ecologica*, ISSN 0354-3285, Vol. 74, No. 21, pp. 267 - 271, 2014
6. M. Sokić, J. Stojanović, N. Štrbac, D. Živković, B. Marković, V. Matković, A. Mitovski: Structural influence of sphalerite on their leaching from complex concentrate by sodium nitrate in sulphuric acid, *Annual of the University of mining and geology "ST. IVAN RILSKI"*, Part II: Mining and Mineral processing, Vol. 57, pp. 126 - 129, 2014
7. V. Čosović, A. Čosović, N. Talijan, D. Živković, T. Žak, B. David: Nanocrystalline Powders Precipitated with Addition of Soluble Starch as a Dispersing Agent, *Journal of trends in the development of machinery and associated technology*, ISSN 2303-4009, Vol. 18, No. 1, pp. 115 - 118, 2014
8. D. Živković, D. Manasijević, S. Nestorović, N. Talijan, V. Čosović, L. Balanović, N. Štrbac, D. Minić, M. Sokić: Structural analysis of some Bi-Ga-Ni alloys, *Journal of Trends in the Development of Machinery and Associated Technology*, ISSN 2303-4009, Vol. 18, No. 1, pp. 99 - 102, 2014
9. L. Gomidželović, J. Medved, T. Holjevac Grgurić, M. Gojić, D. Živković: Thermodynamical analysis of Al-Cu-Mn system using RKM model, *RMZ – Materials and Geoenvironment*, Vol. 61, No. 1, pp. 3 - 9, 2014
10. S. Urošević, B. Završnik: CHARACTERISTICS BRANDING & BRAND MANAGEMENT IN THE FASHION INDUSTRY, *Annals of the University of Oradea, Fascicle of Textiles, Leatherwork*, ISSN 1843-813X, Vol. XV, No. 2, pp. 189 - 194, 2014
11. J. Mitić, S. Urošević, N. Stojanović D., M. Šmelcelović, D. Đorđević: THE DYEING PROCESS OF KNITTED FABRICS AT DIFFERENT TEMPERATURES USING ULTRASOUND, *Annals of the University of Oradea, Fascicle of Textiles, Leatherwork*, ISSN 1843-813X, Vol. XV, No. 1, pp. 57 - 62, 2014

12. J. Mitić, N. Stojanović D., M. Šmelcelović, S. Urošević, D. Đorđević: DYEING OF KNITTED MICRO-VISCOSE IN THE PRESENCE OF ULTRASOUND WITH DIFERENT FREQUENCIES, Annals of the University of Oradea, Fascicle of Textiles, Leatherwork , ISSN 1843-813X, Vol. XV, No. 2, pp. 63 - 68, 2014
13. D. Riznić, B. Vojnović, A. Dukić: "Ekonomski aspekti održivog razvoja privrede" , Ecologica, ISSN 0354-3285 , Vol. 21 , No. 74, pp. 237 - 243, 2014
14. A. Fedajev, R. Nikolić, S. Urošević: THE ACHIEVED LEVEL OF COMPETITIVENESS AND CHARACTERISTICS OF BUSINESS ENVIRONMENT IN WESTERN BALKAN COUNTRIES, Actual Problems of Economics, ISSN 1993-6788, Vol. 155, No. 5, pp. 46 - 57, 2014
15. A. Tripić-Stanković, F. Radović, A. Čosović, V. Adamović, M. Sokić, N. Štrbac: Sadržaj suspendovanih čestica PM10 u ambijentalnom vazduhu, Ecologica, ISSN 0354-3285, Vol. 21, No. 74, pp. 308 - 311, 2014
16. N. Dragović, M. Vuković, N. Štrbac: Održivost korišćenja niskotemperaturnih geotermalnih voda, Ecologica, Vol. 21, No. 74, pp. , 2014
17. D. Riznić, M. Manić, T. Rajić: "Održivi marketing menadžment - veza između održive proizvodnje i potrošnje", , Ecologica, ISSN 0354-3285, Vol. 21, No. 75, pp. 442 - 448, 2014
18. V. Tasić, B. Maluckov, R. Kovačević, T. Apostolovski - Trujić, M. Šteharin, S. Stanković: Analysis of SO2 Concentrations in the Urban Areas near Copper Mining and Smelting Complex Bor, Serbia, Chemical engineering transactions, Vol. 42, pp. 103 - 108, 2014
19. B. Maluckov: Biološka oksidacija polimetaličnih ruda kao potencijalna mogućnost za tretman rude iz ležišta Čoka Marin/ Biological oxidation of polymetallic ores as a potential possibility for the treatment of ore from the Čoka Marin, Tehnika, Vol. 65, No. 2, pp. 221 - 224, 2014
20. V. Kovalev, Y. Vasilchenko, D. Riznić: EVALUATION OF A LEVEL OF QUALITY OF MANUFACTURING PROCESS ON HEAVY ENGINEERING ENTERPRISES, ANNALS OF THE UNIVERSITY OF ORADEA Fascicle of Management and Technological Engineering, ISSN 1583-0691, Vol. XXIII(XIII), No. 2, pp. 80 - 87, 2014

M52 - 12

1. D. Tanikić, M. Manić, S. Randelović, D. Brodić: Legure koje pamte oblik i njihova upotreba u medicini, Vojnotehnički glasnik, ISSN 0042-8469, Vol. 62, No. 4, pp. 59 - 71, 2014
2. S. Urošević, B. Pejčić: Influence of Work Behavior and Business Attire on Success, Tekstilna industrija, Vol. LXI, No. 1, pp. 39 - 46, 2014

3. B. Završnik , S. Urošević: The importance of marketing communications mix in textile and clothing companies, Tekstilna industrija, ISSN 0040-2389 , Vol. LXI, No. 2, pp. 33 - 38, 2014
4. N. Zakić, M. Stamatović, S. Urošević: Interne barijere inovacijama u preduzećima , Tekstilna industrija, ISSN 0040-2389, Vol. LXI, No. 2, pp. 39 - 46, 2014
5. A. Bulajić, M. Stamatović, S. Urošević: Analysis and comparative analysis , Tekstilna industrija, ISSN 0040-2389, Vol. LXI, No. 3, pp. 45 - 53, 2014
6. D. Živković, N. Štrbac, M. Sibinović, S. Nikolić: Akademske kompetencije kao indikatori upravljanja znanjem - analiza trenda publikovanih naučnih radova na univerzitetima u regionu u periodu od 1982. do 2013. godine, Bakar, ISSN 0351-0212, Vol. 39, No. 1, pp. 49 - 54, 2014
7. L. Gomidželović, D. Živković, A. Kostov, E. Požega: Termodinamička analiza Au-Ga-Sb sistema pomoću RKM modela, Bakar, Vol. 39, No. 1, pp. 1 - 8, 2014, [Impact factor (IF) 0351-0212/2015]
8. M. Denić, S. Stojadinović, N. Vušović, S. Kokerić, N. Denić: Possibility of applying mechanized coal mining in the mine "Soko", with the comparative advantages of production results and impact, Podzemni radovi, ISSN 0354-2904, Vol. 24, pp. 1 - 10, 2014
9. M. Denić, N. Vušović, S. Stojadinović: Strategy for development and restructuring of Public enterprise for underground coal exploitation, Resavica, Podzemni radovi, ISSN 0354-2904, Vol. 25, pp. 19 - 31, 2014
10. M. Dimitrijević, S. Milić, S. Alagić, A. Radojević: Revalorizacija platinske grupe metala (PGM) iz istrošenih auto katalizatora. Deo I: Primarni i sekundarni izvori PGM i njihova upotreba, Reciklaža i održivi razvoj, ISSN 1820-7480, Vol. 7, No. 1, pp. 9 - 21, 2014
11. V. Milić, I. Svrkota, D. Petrović, D. Đukanović: Research results on application of semi-level induced caving with lateral loading in ore body Borska reka, Underground Mining Engineering - Podzemni radovi, ISSN 03542904, Vol. 25, pp. 1 - 9, 2014
12. D. Božić, M. Gorgievski, S. Dragulović, Z. Stanojević-Šimšić, S. Dimitrijević: Dobijanje kobalta iz istrošenih litijum-jonskih baterija, Bakar, ISSN 0353-0212, Vol. 39, No. 2, pp. 51 - 56, 2014

M53 - 7

1. D. Brodić, G. Vukša, V. Tasić, M. Jevtić: Upotreba mikrokontrolera za akviziciju podataka i regulaciju u industrijskim procesima, Bakar, ISSN 0351-0212, Vol. 39, No. 1, pp. 41 - 48, 2014

2. D. Brodić, V. Anđelović, Z. Milivojević: Uticaj izbora centralne tačke log-polarne transformacije na procenu nagiba teksta, BAKAR, ISSN 0351-0212, Vol. 39, No. 1, pp. 29 - 40, 2014
3. S. Urošević, M. Grahovac: EDUCATION AS AN IMPORTANT RESOURCE OF THE 21ST CENTURY, Applied Researches in Technics, Technologies and Education, ARTTE, Bulgaria, Vol. 2, No. 4, pp. 441 - 449, 2014
4. D. Živković, L. Balanović, N. Talijan, N. Štrbac, M. Sokić, D. Manasijević, D. Minić, V. Čosović, A. Mitovski: Actual problematics in nanomaterials environmental risks and recycling, Reciklaža i održivi razvoj, ISSN 1820-7480, Vol. 7, pp. 1 - 8, 2014
5. Z. Marković, Z. Štirbanović, J. Sokolović, L. Marković: Sustainable utilization of oil shale as an alternative energy source, Quaestus - Multidisciplinary Research Journal, ISSN 2285-424X, Vol. No. 4/ February 2014, No. 3, pp. 284 - 289, 2014
6. J. Sokolović, R. Stanojlović, S. Stanković, V. Gardić: Treatment of oily wastewater by adsorption using anthracite, Quaestus - Multidisciplinary Research Journal, ISSN 2285-424X, Vol. No. 4/ February 2014, No. 3, pp. 290 - 297, 2014
7. G. Bogdanović, D. Antić, Z. Marković: The Impact of Industrial Activities on Surface Water Quality in Municipality Bor, Serbia, Quaestus, ISSN 2285-424X, Vol. 4, No. 1, pp. 279 - 283, 2014

M55 - 1

1. M. Trumić, M. Banješević, J. Sokolović, I. Svrkota: JMM Section A - Mining Volume 50 (1) 2014, Journal of Mining and Metallurgy, Section A - Mining (J Mining&Metal A Mining), ISSN 1450-5959, Vol. 50, No. 1, pp. 1 - 67, 2014

M56 - 2

1. S. Urošević: Tekstilna industrija, uređivanje naučnog časopisa nacionalnog značaja, Tekstilna industrija, pp. , 2014
2. M. Trumić, G. Bogdanović, D. Antić, M. Trumić: Reciklaža i održivi razvoj 7 (1) 2014, Reciklaža i održivi razvoj, ISSN 1820-7480, Vol. 7, No. 1, pp. 1 - 43, 2014

M61 - 3

1. D. Živković: Termodinamika i fazni dijagrami višekomponentnih sistema na bazi galijuma, X Naučno-stručni simpozijum sa međunarodnim učešćem Metalni u nemetalni materijali - MNM14, Bugojno, Bosnia and Herzegovina, 2014, pp. 1 - 12
2. N. Vušović, D. Jenić, I. Ilić: Mogućnosti primene GIS-a u kompaniji RTB BOR, II savetovanje sa međunarodnim učešćem „Zaštita životne sredine i održivi razvoj”- „Energetika i rudarstvo 2014“, Tara, Hotel Omorika, Serbia, 2014, pp. 1 - 10

3. N. Vušović: GIS rešenje u kompaniji RTB BOR , V Simpozijum sa međunarodnim učešćem „RUDARSTVO 2014“, Vrnjačka Banja, Serbia, 2014, pp. 23 - 32

M63 - 24

1. D. Klimenta, B. Perović, J. Klimenta, M. Jevtić: Asfaltirane javne površine kao sredstvo za regulaciju termičkih karakteristika ambijenta kod podzemnih energetskih kablova, Međunarodni naučno-stručni simpozijum INFOTEH-Jahorina 2014, Jahorina, Bosnia and Herzegovina, 2014, pp. 219 - 224
2. D. Klimenta, B. Perović, J. Klimenta, M. Jevtić: Pasivno hlađenje PV panela: slučaj PV panela i solarnih dimnjaka integrisanih u krov stambene kuće, XIII međunarodni naučno-stručni simpozijum INFOTEH-JAHORINA 2014, Jahorina, Bosnia and Herzegovina, 2014, pp. 281 - 286
3. D. Đorđević, S. Urošević: OBEZBOJAVANJE OTPADNIH VODA POSLE BOJENJA PAMUKA PRIMENOM RAZLIČITIH FIZIČKO-HEMIJSKIH METODA, Četvrti Naučno-stručni skup sa međunarodnim učešćem, Tendencije razvoja i inovativni pristup u tekstilnoj industriji, Dizajn Tehnologija Menadžment , Beograd, Serbia, 2014, pp. 113 - 117
4. M. Dimitrijević, D. Urošević, S. Milić, S. Alagić: Ekstrakcija bakra iz topioničke šljake luženjem hlorovodoničnom kiselinom i vodonik-peroksidom/Copper extraction from copper smelter slag by leaching with hydrochloric acid and hydrogen peroxide, 9. simpozijum Reciklažne tehnologije i održivi razvoj sa međunarodnim učešćem/9th symposium Recycling technologies and sustainable development with international participation, Hotel Srbija, Zaječar, Serbia, 2014, pp. 241 - 247
5. I. Marković, S. Nestorović, D. Živković: Утицај микроструктурних промена на особине хладно деформисаног синтерованог бакра и Cu-Au легуре током изохроног жарења, X научно/стручни симпозиј са међународним учешћем „Метални и неметални материјали“, Бугојно, Bosnia and Herzegovina, 2014, pp. 117 - 126
6. I. Marković, S. Nestorović, D. Marković: Uticaj stuktturnih promena na osobine hladno deformisanog sinterovanog bakra i Cu-Au legura tokom izohronog žarenja, X Naučno-stručni simpozijum sa međunarodnim učešćem Metalni u nemetalni materijali - MNM14, Bugojno, Bosnia and Herzegovina, 2014, pp. 117 - 126
7. A. Aljilji, D. Živković: Zaštita održavanje i razvoj optimalnog kvaliteta pakovanog sušenog voća , X Naučno-stručni simpozijum sa međunarodnim učešćem Metalni u nemetalni materijali - MNM14, Bugojno, Bosnia and Herzegovina, 2014, pp. 319 - 324
8. N. Štrbac, A. Mitovski, M. Sokić, I. Mihajlović, D. Živković, L. Balanović: Flotacijska jalovina kao sekundarna sirovina-od ekološkog problema do ekološkog

rešenja, 10th Scientific/Research Symposium with International Participation-Metallic and Nonmetallic Materials, Bugojno, Bosnia and Herzegovina, 2014, pp. 51 - 56

9. L. Balanović, D. Živković, D. Manasijević, D. Ćubela, T. Holjevac Grgurić, N. Štrbac, A. Mitovski: Usporedno predviđanje termodinamičkih svojstava Ga-Sn-Zn sistema, 10th Scientific/Research Symposium with International Participation-Metallic and Nonmetallic Materials, Bugojno, Bosnia and Herzegovina, 2014, pp. 31 - 40
10. N. Pešaković, D. Živković, D. Manasijević, N. Štrbac, S. Nestorović, A. Mitovski, L. Balanović: Analiza tehnološkog statusa upravljanja metalnim otpadom na primeru Metalprom d.o.o. Valjevo, IX Simpozijum Reciklažne tehnologije i održivi razvoj, Zaječar, Serbia, 2014, pp. 179 - 184
11. V. Gardić, S. Stanković, J. Sokolović: Sistematski pristup izradi plana analize opasnog otpada, IX Simpozijum "Reciklažne tehnologije i održivi razvoj" – 9. SRTOR 2014, Zaječar, Serbia, 2014, pp. 106 - 111
12. R. Stanojlović, J. Sokolović, R. Gašić: Valorizacija uglja iz starog jalovišta bivšeg Rudnika uglja „Rtanj“ Boljevac, IX Simpozijum "Reciklažne tehnologije i održivi razvoj" – 9. SRTOR 2014, Zaječar, Serbia, 2014, pp. 152 - 159
13. M. Žikić, D. Tanikić, J. Sokolović, S. Stojadinović, J. Stojanović: Prototip mašine za briketiranje otpadnog usitnjenog nemetaličnog materijala, IX Simpozijum "Reciklažne tehnologije i održivi razvoj" – 9. SRTOR 2014, Zaječar, Serbia, 2014, pp. 174 - 178
14. M. Pavlović, J. Sokolović: Sanacija i rekultivacija jalovišta kopa laporca „Trešnja“ kao doprinos održivom razvoju Holcim (Srbija) d.o.o., IX Simpozijum "Reciklažne tehnologije i održivi razvoj" – 9. SRTOR 2014, Zaječar, Serbia, 2014, pp. 292 - 299
15. M. Miljković, J. Sokolović, R. Stanojlović: Istraživanje i prognoziranje pojava u životnoj sredini i ekologiji, IX Simpozijum "Reciklažne tehnologije i održivi razvoj" – 9. SRTOR 2014, Zaječar, Serbia, 2014, pp. 435 - 440
16. M. Žikić, S. Stojadinović, R. Pantović, G. Bogdanović, D. Kržanović, M. Martinović, S. Prodanović: Temporary remediation, Integrated meeting, Planning and land use and landfills in terms of sustainable development and new remediation technologies „SOIL 2014“, Zrenjanin, Serbia, 2014, pp. 251 - 259
17. D. Antić, G. Bogdanović, M. Antonijević: Matematička interpretacija eksperimentalnih rezultata adsorpcije teških metala iz vodenih rastvora, 9. Simpozijum „Reciklažne tehnologije i održivi razvoj“, Zaječar, Serbia, 2014, pp. 260 - 267
18. Z. Štirbanović, Z. Marković, I. Miljanović: Izbor flotacijskog kolektora primenom teorije grubih skupova, XLI Simpozijum o operacionim istraživanjima SYM-OP-IS 2014, Divčibare, Serbia, 2014, pp. 530 - 534

19. R. Pantović, V. Milić, N. Vušović: SNIMANJE I ANALIZA OŠTEĆENJA ARMIRANO-BETONSKE OBLOGE KOLEKTORA KRIVELJSKE REKE, SIMPOZIJUM sa međunarodnim učešćem „RUDARSTVO 2014“, Vrnjačka Banja, Serbia, 2014, pp. 346 - 355
20. V. Milić, R. Pantović, Z. Stojanović: ANALIZA MOGUĆNOSTI OTKOPAVANJA PREOSTALIH RUDNIH REZERVU U RUDNOM TELU „TILVA ROŠ“, V SIMPOZIJUM sa međunarodnim učešćem „RUDARSTVO 2014“, Vrnjačka Banja, Serbia, 2014, pp. 362 - 370
21. M. Trumić, M. Trumić, G. Bogdanović, D. Antić, J. Dinić: Uticaj doze penušača na efikasnost flotiranja čestica tonera, 9. Simpozijum „Reciklažne tehnologije i održivi razvoj“, Zaječar, Serbia, 2014, pp. 39 - 46
22. D. Randelović, M. Trumić, T. Marjanović, L. Marković Luković, M. Trumić: Promena ekološke svesti građana bora od LEAP-a 2003.do LEAP-a 2013, 10. Regionalna konferencija „Životna sredina ka Evropi“, Beograd, Serbia, 2014, pp. 39 - 45
23. B. Maluckov: Biološko luženje gomile/Heap bioleaching, 51. Savetovanje srpskog hemijskog društva i 2. Konferencija mladih hemičara Srbije, 51.Meeting of the Serbian Chemical Society and Second Conference of the Young Chemists of Serbia, Niš, Serbia, 2014, pp. 70 - 73
24. B. Maluckov: Kisele rudničke drenažne vode/Acide mine drainage, 2nd Symposium with International Participation Environmental protection and sustainable development „Energy and mining 2014“, Tara, Serbia, 2014, pp. 320 - 324

M64 - 7

1. Z. Stanojević-Šimšić, D. Živković, A. Kostov, D. Manasijević, T. Holjevac-Grgurić, I. Marković, R. Todorović: Microstructural Investigation of the Ternary Cu-Al-Ag System, Serbian Ceramic Society Conference - Advanced Ceramics and Application III, Belgrade, Serbia, 2014, pp. 123 - 123
2. N. Štrbac, A. Mitovski, M. Sokić, I. Mihajlović, D. Živković, L. Balanović: Flotacijska jalovina kao sekundarna sirovina-od ekološkog problema do ekološkog rešenja,, 10th Scientific/Research Symposium with International Participation- Metallic and Nonmetallic Materials, Bugojno, Bosnia and Herzegovina, 2014, pp. 40
3. L. Balanović, D. Živković, D. Manasijević, D. Čubela, T. Holjevac Grgurić, N. Štrbac, A. Mitovski: Uporedno predviđanje termodinamičkih svojstava Ga-Sn-Zn sistema, 10th Scientific/Research Symposium with International Participation- Metallic and Nonmetallic Materials, Bugojno, Bosnia and Herzegovina, 2014, pp. 38
4. I. Marković, S. Nestorović, D. Marković, D. Živković: Uticaj mikrostukturnih promena na osobine hladno deformisanog sinterovanog bakra i Cu-Au legura tokom

izohronog žarenja, X Naučno-stručni simpozijum sa međunarodnim učešćem Metalni u nemetalni materijali - MNM14, Bugojno, Bosnia and Herzegovina, 2014, pp. 50

5. A. Aljilji, D. Živković: Zaštita održavanje i razvoj optimalnog kvaliteta pakovanog sušenog voća , X Naučno-stručni simpozijum sa međunarodnim učešćem Metalni u nemetalni materijali - MNM14, Bugojno, Bosnia and Herzegovina, 2014, pp. 87
6. J. Sokolović, R. Stanojlović, A. Stojanović: Reciklaža otpadnih aluminijumskih kablova iz TF KABLE – Fabrike kablova Zaječar primenom elektrostatičke separacije, IX Simpozijum "Reciklažne tehnologije i održivi razvoj" – 9. SRTOR 2014, Zaječar, Serbia, 2014, pp. 130 - 131
7. G. Vasić, M. Nešović, M. Pavlović, J. Sokolović: Otpad kao alternativni energent – doprinos održivom energetsom planiranju, IX Simpozijum "Reciklažne tehnologije i održivi razvoj" – 9. SRTOR 2014, Zaječar, Serbia, 2014, pp. 190 - 193

M66 - 2

1. J. Sokolović, R. Stanojlović: Zbornik radova sa IX Simpozijuma "Reciklažne tehnologije i održivi razvoj" – 9. SRTOR 2014, IX Simpozijum "Reciklažne tehnologije i održivi razvoj" – 9. SRTOR 2014, Zaječar, Serbia, 2014, pp. 1 - 507
2. D. Antić, J. Sokolović: 3. Studentski simpozijum „Reciklažne tehnologije i održivi razvoj“ sa međunarodnim učešćem, 2014

M71 - 1

1. D. Petrović: Razvoj algoritma procene efekata rizika rada rudarskih mašina na bazi fazi algebre, 2014

M82 - 2

1. D. Milivojević, R. Radetić, V. Tasić, M. Pavlov-Kagadejev, V. Despotović, D. Brodić, V. Miljković: Merni pretvarač snage, 2014
2. A. Ivanović, B. Trumić, V. Krstić, S. Ivanov, S. Marjanović, S. Dimitrijević, V. Marjanović: Poboljšanje mehaničkih svojstava legure sastava PdNi5 optimizacijom termomehaničkog režima prerade, 2014

M83 - 2

1. M. Sokić, B. Marković, V. Matković, N. Štrbac, D. Živković, A. Mitovski, V. Manojlović: Hidrometalurški postupak prerade polimetaličnih Cu-Zn-Pb sulfidnih koncentrata luženjem rastvorom sumporne kiseline i natrijum-nitrata pri standardnom pritisku, 2014
2. M. Bugarin, Z. Stevanović, R. Marković, L. Obradović, V. Gardić, R. Jonović, L. Avramović, J. Stevanović, M. Gvozdenović, M. Trumić: Integralni tretman flotacijske jalovine bakra sa polja 1 starog flotacijskog jalovišta RTB-a Bor br. t1/2014, 2014

M92 - 1

1. D. Milivojevic, V. Tasic, V. Despotović, M. Pavlov-Kagadejev: Prenosna merna stanica i postupak pri merenju, 2014

M93 - 1

1. D. Živković, M. Cocić, J. Lamut, L. Balanović: Tajni svet metala i minerala (izložba), 2014

Udžbenici - 2

1. M. Denić, S. Stojadinović, I. Ristović: Transport Praktikum, Editors: dr Mirjana Rajčić Vujasinović, Publisher: Tehnički fakultet u Boru, Printed by Grafomed Bor, pp. 123, 2014
2. M. Trumić, L. Andrić, M. Trumić: Upravljanje i tretman otpada, Editors: Prof. dr Mirjana Rajčić Vujasinović, Publisher: Univerzitet u Beogradu, Tehnički fakultet u Boru, Printed by Grafomed-Trade, Bor, ISBN 978-86-6305-020-4, pp. 172, 2014

Prilog 2.

CITIRANOST ISTRAŽIVAČA SA TF BOR U 2014. GODINI

1. D. Minić, D. Manasijević, V. Ćosovic, N. Talijan, Ž. Živković, D. Živković, M. Premović, Experimental investigation and thermodynamic prediction of the Cu-Sb-Zn phase diagram, *Journal of Alloys and Compounds*, 517 (2012) 31-39
2014.1.D. Janovszky, A. Sycheva, K. Tomolya, J. Geiger, J. Solyom, A. Roos, Solidification processes in Cu-Zr-Ag amorphisable alloy system, *Journal of Alloys and Compounds* 584 (2014) 600-606.
2014.2. H. Imai, S. Li, K. Kondoh, Y. Kosaka, T. Okada, K. Yamamoto, M. Takahashi, J. Umeda, Microstructure and mechanical properties of Cu-40%Zn-0.5%Cr alloy by powder metallurgy, *Materials Transactions* 55 (3) (2014) 528-533.
2014.3. L. V. Prokofieva, P. P. Konstantinov, A. A. Shabaldin, D. A. Pshenai-Severin, A. T. Burkov, M. I. Fedorov, Doping and defect formation in thermoelectric ZnSb doped with copper, *Semiconductors* 48(12) (2014) 1571-1580.
2. V. Cosovic, A. Cosovic, N. Talijan, D. Zivkovic, D. Manasijevic, D. Minic, Improving dispersion of SnO₂ nanoparticles in Ag-SnO₂ electrical contact materials using template method, *Journal of Alloys and Compounds*, 567 (2013) 33-39
2014.4. D. Guzman, P. Munoz, C. Aguilar, I. Iturriza, L. Lozada, P.A. Rojas, M. Thirumurugan, C. Martinez, Synthesis of Ag-ZnO powders by means of a mechanochemical process, *Applied Physics A-Materials Science and Processing* 117(2) (2014) 871-875.
2014.5. FL. Miguel, R. Muller, M. Weinmann, R. Hempelmann, S. Mathur, F. Mucklich, Production and characterization of nanocomposite thin films based on Ni matrix reinforced with SnO₂ single-crystalline nanowires for electrical contact applications, *Journal Of Alloys And Compounds* 603 (2014) 14-18.
2014.6. JB. Sun, P. Sun, DL. Zhang, J. Xu, XS. Liang, FM. Liu, GY. Lu, Growth of SnO₂ nanowire arrays by ultrasonic spray pyrolysis and their gas sensing performance, *RSC advances* 4(82) (2014) 43429-43435.
2014.7. Lin, Z.J., Sun, X.D., Liu, S.H., Chen, J.L., Xie, M., Li, J.-G., Li, X.D., Huo, D., Zhang, M., Zhu, Q. Effect of SnO₂ particle size on properties of Ag-SnO₂ electrical contact materials prepared by the reductive precipitation method *Advanced Materials Research*, 936 (2014) 459-463.
3. V. Cosovic, M. Pavlovic, A. Cosovic, P. Vulic, M. Premovic, D. Zivkovic, N. Talijan, Microstructure Refinement and Physical Properties of Ag-SnO₂ Based Contact Materials Prepared by High-Energy Ball Milling, *Science of Sintering*, 45(2) (2013) 173-180
2014.8. A. Terzic, L. Andric, J. Stojanovic, N. Obradovic, M. Kostovic, Mechanical Activation as Sintering Pre-treatment of Talc for Steatite Ceramics, *Science of Sintering* 46(2) (2014) 247-258.
4. A. Milosavljevic, D. Zivkovic, D. Manasijevic, Y. Du, N. Talijan M. Bu, A. Kostov, Phase diagram investigation of the Sn-In_xAg_yCu_z (x:y:z=7:2:1) section in the Ag-In-Sn-Cu system, *International Journal of Materials Research*, 104(5) (2013) 452-456

2014.9. W. Chen, L. Zhang, Y. Du, B.Huang, *Diffusivities and atomic mobilities of an Sn-Ag-Bi-Cu-Pb melt*, *International Journal Of Materials Research* 105(9) (2014) 827-839

5. D. Zivkovic, Lj. Balanovic, D. Manasijevic, T. Holjevac-Grguric, D. Cubela A. Mitovski, *Comparative thermodynamic analysis and phase diagram prediction of the Ga-Sn-Zn system*, *International Journal Of Materials Research*, 104(1) (2013) 26-34
2014.10. V. Gandova, G. Vassilev, *Comparative analyses of thermodynamic properties assessments, performed by geometric models: application to the Ni-Bi-Zn system*, *Journal Of Mining And Metallurgy Section B-Metallurgy* 49(3) (2013) 347-352
6. D. Zivkovic, D. Manasijevic, Lj. Balanovic, D. Minic, V. Cosovic, A. Kostov, Z. Zivkovic, *Phase Relations in Bi - Rich Part of the Bi-Ga-Ni System*, *Journal Of Mining And Metallurgy Section B-Metallurgy* 48(3) (2012) 375-381
2014.11. N. Cimpoesu, S. Stanciu, P. Vizureanu, R. Cimpoesu, DC. Achitei, I. Ionita, *Obtaining shape memory alloy thin layer using pld technique*, *Journal Of Mining And Metallurgy Section B-Metallurgy* 50(1) (2014) 69-76
7. M. Sokic, B. Markovic, V. Matkovic, D. Zivkovic, N. Strbac, J. Stojanovic, *Kinetics and mechanism of sphalerite leaching by sodium nitrate in sulphuric acid solution* *Journal of Mining and Metallurgy, Section B: Metallurgy*, 48(2) (2012) 185-195.
2014.12. A. Dodangeh, M. Halali, M. Hakim, M.R. Bakhshandeh, *Leaching kinetics of stibnite in sodium hydroxide solution*, *Source of the Document International Journal of Engineering, Transactions B: Applications* 27(2) (2014) 325-332
8. V. Cosovic, N. Talijan, D. Zivkovic, D. Minic, Z. Zivkovic, *Comparison of properties of silver-metal oxide electrical contact materials*, *Journal of Mining and Metallurgy, Section B: Metallurgy*, 48 (1) (2012) 131-141.
2014.13. S. Biyik, M. Aydin, *A new life-test equipment designed for medium-duty electromagnetic contactors*, *2014 15th International Conference on Thermal, Mechanical and Multi-Physics Simulation and Experiments in Microelectronics and Microsystems, EuroSimE* (2014) 6813836
2014.14. J. Jaćimović, L. Felberbaum, E. Giannini, J. Teyssier, *Electro-mechanical properties of composite materials for high-current contact applications*, *Journal of Physics D: Applied Physics* 47 (12) (2014) 125501
2014.15. Zhu, S., Zhang, Z., Tian, X., Wu, L., Qi, S., *Research on resistance welding of DZ-47 electrical contact* *Hanjie Xuebao/Transactions of the China Welding Institution*, 35 (12) (2014) 67-71.
9. V. Cosovic, A. Cosovic, N. Talijan, D. Zivkovic, Z. Zivkovic, *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) 245-253
2014.16. M. Ranitovic, Z. Kamberovic, M. Korac, M. Gavrilovski, H. Issa, Z. Andic, *Investigation of Possibility for Stabilization and Valorization of Electric Arc Furnace Dust and Glass From Electronic Waste*, *Science Of Sintering* 46(1) (2014) 83-93

2014.17. *Rojas-Sola, J.I., Aguilera-García, A.I. Nota técnica: Análisis bibliométrico mundial de la categoría "Materials Science, Ceramics" de la Web of Science (1997-2012) Boletín de la Sociedad Española de Cerámica y Vidrio, 53 (6) (2014) ii-xii.*

10. T. Zak, V. Cosovic, A. Cosovic, B. David, N. Talijan, D. Zivkovic, Formation of Magnetic Microstructure of the Nanosized NiFe₂O₄ Synthesized Via Solid-State Reaction, *Science Of Sintering*, (2012), vol. 44 br. 1, str. 103-112
 2014.18. *D. L. Sekulic, Z. Z. Lazarevic, C. Jovalekic, A. Recnik, M. Romcevic, B. Hadzic, N. Z. Romcevic, The Comparative Study of the Structural and the Electrical Properties of the Nano Spinel Ferrites Prepared by the Soft Mehanochemical Synthesis, Science of Sintering 46(2) (2014) 235-245*
11. D. Zivkovic, Y. Du, N. Talijan, A. Kostov, Lj. Balanovic, Calculation of thermodynamic properties in liquid phase for ternary Al-Ni-Zn alloys, *Transactions of Nonferrous Metals Society of China (English Edition)*, 22(12) (2012) 3059-3065.
 2014.19. *Z.-Y. Chen, L.-J.Wang, K.-C.Chou, F.-S.Li, Comparison of different calculation methods of the new generation geometric model in predicting the density of NaCl-MgCl₂-CaCl₂ systems, Journal of Solution Chemistry 43(3) (2014) 577-584*
12. D. Minic, M. Kolarevic, D. Manasijevic, A. Todorovic, D. Zivkovic, N. Talijan, Experimental investigation and thermodynamic calculations of the Ni-Sb-Zn phase diagram, *Materials Chemistry and Physics*, 132 (2-3) (2012) 402-408.
 2014.20. *Y. Zhao, Z. Zhu, F.Yin, Z. Long, Y. Wu, 450 °C isothermal section of the Ni-Sb-Zn ternary system at the Zn-Rich corner, Journal of Phase Equilibria and Diffusion 35 (2) (2014) 186-194*
 2014.21. *Z. Zhu, Q.Xu, M.Chen, F.Yin, Z.Li, The Zn-Rich Corner of the 450 °C Isothermal Section of the Zn-Fe-Ni-Sb Quaternary System, Journal of Phase Equilibria and Diffusion 35 (5) (2014) 555-563*
13. M. Niculovic, D. Zivkovic, D. Manasijevic, N. Strbac, 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) 547-559.
 2014.22. *R. Servidio, Exploring the effects of demographic factors, Internet usage and personality traits on Internet addiction in a sample of Italian university students, Computers in Human Behavior 35 (2014) 85-92*
 2014.23. *H.-M. Sinkkonen, H. Puhakka, M. Meriläinen, Internet use and addiction among Finnish Adolescents (15-19years), Journal of Adolescence 37(2) (2014) 123-131*
14. D. Zivkovic, D. Minic, D. Manasijevic, N. Talijan, I. Katayama, A. Kostov, 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) 1130-1135.
 2014.24. *G. Garzel, M. Kopyto, L.A. Zabdyr, Thermodynamic properties of the liquid Ag-Bi-Cu-Sn lead-free solder alloys, Journal of Mining and Metallurgy, Section B: Metallurgy 50 (2) (2014) 145-148*

2014.25. Fima, P., Garzel, G., Sypień, A., *Wetting of Cu Pads by Bi-2.6Ag-xCu Alloys and Phase Equilibria in the Ag-Bi-Cu System*, *Journal of Electronic Materials*, 43 (12) (2014) 4365-4373.

15. L. Gomidzelovic, D. Zivkovic, A. Kostov, A. Mitovski, Lj. Balanovic, Comparative thermodynamic study of Ga-In-Sb system, *Journal of Thermal Analysis and Calorimetry*, 103(3) (2011) 1105-1109.

2014.26. Q. Shu, L. Wang, K.C.Chou, *Estimation of viscosity for some silicate ternary slags*, *Journal of Mining and Metallurgy, Section B: Metallurgy* 50 (2) (2014) 139-144

16. Lj. Balanovic, D. Zivkovic, A. Mitovski, D. Manasijevic, Z. Zivkovic, Calorimetric investigations and thermodynamic calculation of Zn-Al-Ga system, *Journal of Thermal Analysis and Calorimetry*, 103 (3) (2011) 1055-1061.

2014.27. H. Arslan, *Analytical determination of partial and integral properties of the six components systems Ni-Cr-Co-Al-Mo-Ti and their subsystems*, *Physica B: Condensed Matter* 438 (2014) 48-52

17. B. Markovic, D. Zivkovic, J. Vrestal, D. Manasijevic, D. Minic, N. Talijan, J. Staji-Trosic, R. Todorovic, Experimental study and thermodynamic remodeling of the Bi-Cu-Ni system, *Calphad: Computer Coupling of Phase Diagrams and Thermochemistry*, 34 (3) (2010) 294-300.

2014.28. S.L. Tay, X. Wei, W. Chen, C. Yao, W. Gao, *Microstructures and properties of electrodeposited Cu-Bi composite coatings*, *International Journal of Electrochemical Science* 9 (5) (2014) 2266-2277

18. D. Zivkovic, D. Manasijevic, D. Minic, Lj. Balanovic, M. Premovic, A. Kostov, A. Mitovski, Thermodynamic calculations and experimental investigation of the Ag-Zn system, *Journal of the University of Chemical Technology and Metallurgy*, 48 (4) (2013) 413-418.

2014.29. S.C. Nwigbo, S.O. Mbam, C.U. Atuanya, *Development of Zn50 brazing alloy for joining mild steel to mild steel (SAE1018)* *Tribology in Industry* 36 (3) (2014) 326-338

19. D. Zivkovic, A. Mitovski, Lj. Balanovic, D. Manasijevic, Z. Zivkovic, Thermodynamic analysis of liquid In-Sn alloys using Oelsen calorimetry, *Journal of Thermal Analysis and Calorimetry*, 102(3) (2010) 827-830.

2014.30. J. Wang, P. Hudon, D. Kevorkov, P. Chartrand, I.-H. Jung, M. Medraj, *Experimental and thermodynamic study of the Mg-Sn-In-Zn quaternary system*, *Journal of Alloys and Compounds* 588 (2014) 75-95

20. M.D. Sokic, B. Markovic, D. Zivkovic, Kinetics of chalcopryrite leaching by sodium nitrate in sulphuric acid, *Hydrometallurgy*, 95 (3-4) (2009) 273-279.

2014.31. Z. Ou, J.Li, *Synergism of mechanical activation and sulfurization to recover copper from waste printed circuit boards*, *RSC Advances* 4 (94) (2014) 51970-51976

2014.32. Q. Li, Z. Liu, Q.Liu, *Kinetics of vanadium leaching from a spent industrial V2O 5/TiO2 catalyst by sulfuric acid*, *Industrial and Engineering Chemistry Research* 53 (8) (2014) 2956-2962

- 2014.33. B. Lei, M. Zhu, P. Chen, C. Chen, W. Ma, T. Li, M. Liu, *Silver iodide microstructures of a uniform towerlike shape: Morphology purification via a chemical dissolution, simultaneously boosted catalytic durability, and enhanced catalytic performances*, *ACS Applied Materials and Interfaces* 6 (6) (2014) 4160-4169
- 2014.34. G. Qian, J. Li, Y. Li, A.R. Gerson, *Probing the effect of aqueous impurities on the leaching of chalcopyrite under controlled conditions*, *Hydrometallurgy* 149 (2014) 195-209
- 2014.35. Shiers, D.W., Ralph, D.E., Watling, H.R., *The effects of nitrate on substrate utilisation by some iron(II)- and sulfur-oxidising Bacteria and Archaea*, *Hydrometallurgy*, 150 (2014) 259-268.
- 2014.36. Agacayak, T., Aras, A., Aydogan, S., Erdemoglu, M., *Leaching of chalcopyrite concentrate in hydrogen peroxide solution*, *Physicochemical Problems of Mineral Processing*, 50 (2) (2014) 657-666.
21. D. Manasijevic, D. Minic, D. Zivkovic, I. Katayama, J. Vrestal, D. Petkovic, *Experimental investigation and thermodynamic calculation of the Bi-Ga-Sn phase equilibria*, *Journal of Physics and Chemistry of Solids*, 70 (9) (2009) 1267-1273.
- 2014.37. S.-K. Lin, T.L. Nguyen, S.-C. Wu, Y.-H. Wang, *Effective suppression of interfacial intermetallic compound growth between Sn-58 wt.% Bi solders and Cu substrates by minor Ga addition*, *Journal of Alloys and Compounds* 586 (2014) 319-327
22. S. Katic, I. Ilic, D. Zivkovic, *Copper Production In Majdanpek In Sixties And Seventies Of The 16th Century*, *Journal Of Mining And Metallurgy Section B-Metallurgy*, 45(2) (2009) 213-220
- 2014.38. D. C. Achitei, M. M. A. Abdullah, A. V. Sandu, P. Vizureanu, A. Abdullah, *On The Fatigue of Shape Memory Alloys*, *Advanced Materials Engineering and Technology II* 494 (2014) 133-139
23. D. Zivkovic, I. Mihajlovic, Z. Zivkovic, *A Contribution to the thermodynamic study of the (Cu,CO)-Ni-Zn systems*, *Archives of Metallurgy and Materials*, 54 (1) (2009) 189-196.
- 2014.39. D.C. Acitei, A.V. Sandu, M.M. Al Bakri Abdullah, P. Vizureanu, A. Abdullah, *On the structure of shape memory alloys*, *Key Engineering Materials* 594-595 (2014) 140-145
24. D. Minic, D. Manasijevic, J. Dokic, D. Zivkovic, Z. Zivkovic, *Silicothermic reduction process in magnesium production: Thermal analysis and characterization of the slag*, *Journal of Thermal Analysis and Calorimetry*, 93 (2) (2008) 411-415.
- 2014.40. D. Fu, Y. Wang, J. Peng, Y. Di, N. Feng, *Improvements of Mg-extraction from magnesite and dolomite by aluminothermic reduction in vacuum*, *Zhenkong Kexue yu Jishu Xuebao/Journal of Vacuum Science and Technology* 34 (1) (2014) 60-67
- 2014.41. D.-X. Fu, N.-X. Feng, Y.-W. Wang, J.-P. Peng, Y.-Z. Di, *Kinetics of extracting magnesium from mixture of calcined magnesite and calcined dolomite by vacuum aluminothermic reduction*, *Transactions of Nonferrous Metals Society of China (English Edition)* 24 (3) (2014) 839-847

- 2014.42. Y. Di, X. Pan, J. Peng, Y. Wang, N. Feng, *Novel technique for silicon thermal reduction of lithium in vacuum*, *Zhenkong Kexue yu Jishu Xuebao/Journal of Vacuum Science and Technology* 34 (6) (2014) 656-660
- 2014.43. M. Wen, T.-A. Zhang, Z.-H. Dou, L. Zhou, *Pellets preparation by direct briquetting for silicothermic magnesium production*, *Dongbei Daxue Xuebao/Journal of Northeastern University* 35 (10) (2014) 1460-1463
- 2014.44. Y. Wang, J. Peng, Y. Li, K. Zhao, Y. Song, N. Feng, *Extracting magnesium from ascharite by vacuum thermal reduction using calcium carbide as reductant*, *Huagong Xuebao/CIESC Journal* 65(6) (2014) 2130-2136
- 2014.45. D.-X. Fu, Y.-W. Wang, J.-P. Peng, Y.-Z. Di, S.-H. Tao, N.-X. Feng, *Mechanism of extracting magnesium from mixture of calcined magnesite and calcined dolomite by vacuum aluminothermic reduction*, *Oral Oncology* 50 (10) (2014) 2677-2686
25. M. Sokic, I. Ilic, D. Zivkovic, N. Vuckovic, *Investigation of mechanism and kinetics of chalcopyrite concentrate oxidation process*, *Metalurgija*, 47 (2) (2008) 109-113.
- 2014.46. B. Boyanov, A. Peltekov, V. Petkova, *Thermal behavior of zinc sulfide concentrates with different iron content at oxidative roasting*, *Thermochimica Acta* 586 (2014) 9-16
26. A. Kostov, D. Zivkovic, *Thermodynamic analysis of alloys Ti-Al, Ti-V, Al-V and Ti-Al-V*, *Journal of Alloys and Compounds*, 460 (1-2) (2008) 164-171.
- 2014.47. X. Lu, N. Gui, A. Qiu, G. Wu, C. Li, *Thermodynamic modeling of the Al-Ti-V ternary system*, *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science* 45 (9) (2014) 4155-4164
- 2014.48. J.J. Ruan, C.P. Wang, C.C. Zhao, S.Y. Yang, T. Yang, X.J. Liu, *Experimental investigation of phase equilibria and microstructure in the Co-Ti-V ternary system*, *Intermetallics* 49 (2014) 121-131
27. A. Kostov, B. Friedrich, D. Zivkovic, *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) 49-61.
- 2014.49. A. Naji, M.C. Galetz, M. Schütze, *Design model for diffusion coatings formed via pack cementation*, *Materials and Corrosion* 65 (3) (2014) 312-318
- 2014.50. Kovaleva, M., Tyurin, Y., Vasilik, N., Kolisnichenko, O., Prozorova, M., Arsenenko, M., Sirota, V., Pavlenko, I., *Effect of Heat Treatment on the Microstructure and Microhardness of Nanostructural Al₂O₃ Coatings*, *Journal of Thermal Spray Technology*, 23 (7) (2014) 1199-1209.
28. D. Manasijevic, D. Minic, D. Zivkovic, D. Rajnovic, *Experimental study and thermodynamic calculation of Bi-Cu-Sb system phase equilibria*, *Intermetallics*, 16 (1) (2008) 107-112.
- 2014.51. S. Li, Y. Yan, L. Feng, Y. Zhao, *Effect of adding micro amount rare earth element LaNd on mechanical property of Bi₅Sb₈Sn solder alloy*, *Hanjie Xuebao/Transactions of the China Welding Institution* 35 (7) (2014) 9-12
29. L. Gomidzelovic, D. Zivkovic, N. Talijan, D. Manasijevic, V. Cosovic, A. Grujic, *Phase equilibria investigation and characterization of the Au-In-Sb system*, *Journal of Optoelectronics and Advanced Materials*, 10 (2) (2008) 455-460.

2014.52. S. Hassam, J. Rogez, Z. Bahari, *Experimental phase diagram of the AuSb-InSb section in the Au-In-Sb system*, *Journal of Chemical Thermodynamics* 70 (2014) 168-175

30. D. Zivkovic, A. Milosavljevic, A. Mitovski, B. Marjanovic, Comparative thermodynamic study and characterization of ternary Ag-In-Sn alloys, *Journal of Thermal Analysis and Calorimetry*, 89 (1) (2007) 137-142.

2014.53. J. Wang, P. Hudon, D. Kevorkov, P. Chartrand, I.-H. Jung, M. Medraj, *Thermodynamic and experimental study of the Mg-Sn-Ag-In quaternary system*, *Journal of Phase Equilibria and Diffusion* 35(3) (2014) 284-313

31. D. Manasijevic, J. Vrestal, D. Minic, A. Kroupa, D. Zivkovic, Z. Zivkovic, Phase equilibria and thermodynamics of the Bi-Sb-Sn ternary system, *Journal of Alloys and Compounds*, 438 (1-2) (2007) 150-157.

2014.54. O.E. Awe, O.M. Oshakuade, *Theoretical prediction of thermodynamic activities of all components in the Bi-Sb-Sn ternary lead-free solder system and Pb-Bi-Sb-Sn quaternary system*, *Thermochimica Acta* 589 (2014) 47-55

2014.55. C. Zhang, S.-D. Liu, G.-T. Qian, J. Zhou, F. Xue, *Effect of Sb content on properties of Sn - Bi solders*, *Transactions of Nonferrous Metals Society of China (English Edition)* 24 (1) (2014) 184-191

32. N. Talijan, V. Cosovic, J. Stajic-Trosic, A. Grujic, D. Zivkovic, E. Romanji, Microstructure and properties of silver based cadmium free electrical contact materials, *Journal of Mining and Metallurgy, Section B: Metallurgy*, 43 (2) (2007) 171-177.

2014.56. Z. Lin, S. Liu, X. Sun, M. Xie, J. Li, X. Li, Y. Chen, J. Chen, D. Huo, M. Zhang, Q. Zhu, M. Liu, *The effects of citric acid on the synthesis and performance of silver-tin oxide electrical contact materials*, *Journal of Alloys and Compounds* 588 (2014) 30-35

33. R. Novakovic, D. Zivkovic, Thermodynamics and surface properties of liquid Ga-X (X = Sn, Zn) alloys, *Journal of Materials Science*, 40 (9-10) (2005) 2251-2257.

2014.57. R. Novakovic, D. Giuranno, S. Delsante, G. Borzone, *Bulk and surface properties of liquid Cr-Nb-Re alloys*, *Journal of Phase Equilibria and Diffusion* 35 (4) (2014) 445-457

34. D. Manasijevic, D. Zivkovic, Z. Zivkovic, Prediction of the thermodynamic properties for the Ga-Sb-Pb ternary system, *Calphad*, 27 (4) (2003) 361-366.

2014.58. W. Huang, H. Yan, *Calculation of thermodynamic parameters of Mg-Al-Y alloy*, *Journal Wuhan University of Technology, Materials Science Edition* 29 (2) (2014) 374-378

35. Z. Zivkovic, N. Strbac, D. Zivkovic, D. Grujicic, B. Boyanov, Kinetics and mechanism of Sb₂S₃ oxidation process, *Thermochimica Acta*, 383 (1-2) (2002) 137-143.

2014.59. R. Padilla, A. Aracena, M.C. Ruiza, *Kinetics of stibnite (Sb₂S₃) oxidation at roasting temperatures*, *Journal of Mining and Metallurgy, Section B: Metallurgy* 50 (2) (2014) 127-132

36. D. Živkovic, 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*, (2008), vol. 39 br. 3, str. 395-398
2014.60. J. Cheng, J. Groebner, N. Hort, K. U. Kainer, R. Schmid-Fetzer, *Measurement and calculation of the viscosity of metals-a review of the current status and developing trends*, *Measurement Science & Technology* 25(6) (2014) 062001
2014.61. Bel'Tyukov, A.L., Lad'Yanov, V.I., Shishmarin, A.I., Menshikova, S.G., *Viscosity of liquid amorphizing alloys of iron with boron and silicon*, *Journal of Non-Crystalline Solids*, 401 (2014) 245-249.
37. Živković, D., Sokić, M., Živković, Ž., Manasijević, D., Balanović, L., Štrbac, N., Ćosović, V., Boyanov, B., Thermal study and mechanism of Ag₂S oxidation in air *Journal of Thermal Analysis and Calorimetry*, 111 (2) (2013) 1173-1176.
2014.62. Kong, E.-H., Chang, Y.-J., Park, H.-J., Jang, H.M., *Bandgap tuning by using a lattice distortion induced by two symmetries that coexist in a quantum dot*, *Small*, 10 (7) (2014) 1300-1307.
38. Živković, D., Ćosović, V., Živković, Ž., Štrbac, N., Sokić, M., Talić, N., Boyanov, B., Mitovski, A., Kinetic investigation of silver sulfide phase transformations, *Materials Science in Semiconductor Processing*, 16 (1) (2013) 217-220.
2014.63. Chattopadhyay, P., Guha Roy, S., *Effects of annealing and structural phase transformation on the Urbach absorption in thin silver sulphide films*, *Journal of Applied Physics*, 116 (13) (2014) art. no. 133516.
39. Hebbache, M., Stuparević, L., Živković, D., A new superhard material: Osmium diboride OsB₂, *Solid State Communications*, 139 (5) (2006) 227-231.
2014.64. Liu, P., Peng, F., Yin, S., Liu, F., Wang, Q., Zhu, X., Wang, P., Liu, J., He, D., *Exploring the behavior of molybdenum diboride (MoB₂): A high pressure x-ray diffraction study*, *Journal of Applied Physics*, 115 (16) (2014) art. no. 163502.
2014.65. Pan, Y., Guan, W., Zheng, W., *Structural, mechanical properties and fracture mechanism of RuB 1.1*, *Dalton Transactions*, 43 (13) (2014) 5168-5171.
2014.66. Ying, C., Zhao, E., Lin, L., Hou, Q., *Structural determination and physical properties of 4d transitional metal diborides by first-principles calculations*, *Modern Physics Letters B*, 28 (27) (2014) art. no. 1450213.
2014.67. Zou, Y.-C., Zhu, J., Hao, Y.-J., Xiang, G., Liang, X.-C., Wang, J.-R., *Phase transition, elastic and thermodynamical properties of TcC under high pressure from first-principles calculations*, *Physica Status Solidi (B) Basic Research*, 251 (7) (2014) 1372-1379.
2014.68. Cheng, Y., Yang, J.-W., Wang, Y.-X., Ji, G.-F., Chen, X.-R., *Thermodynamic and electronic properties of OsB₂ from first-principles calculations*, *Acta Physica Polonica A*, 125 (5) (2014) 1186-1190.
2014.69. Xie, Z., Graule, M., Orlovskaya, N., Andrew Payzant, E., Cullen, D.A., Blair, R.G., *Novel high pressure hexagonal OsB₂ by mechanochemistry*, *Journal of Solid State Chemistry*, 215 (2014) 16-21.
2014.70. Wang, Y.-F., Xia, Q.-L., Yu, Y., *First principles calculation on electronic structure, chemical bonding, elastic and optical properties of novel tungsten triboride*, *Journal of Central South University*, 21 (2) (2014) 500-505.

40. Živković, Ž.D., Živković, D., Grujičić, D., Štrbac, N., Savović, V., Kinetics and mechanism of the natural mineral marmatite oxidation process, *Journal of Thermal Analysis and Calorimetry*, 54 (1) (1998) 35-40.
2014.71. Boyanov, B., Peltekov, A., Petkova, V., *Thermal behavior of zinc sulfide concentrates with different iron content at oxidative roasting*, *Thermochimica Acta*, 586 (2014) 9-16.
41. Živković, Ž.D., Živković, D.T., Grujičić, D.B., Kinetics and mechanism of the thermal decomposition of $M(NO_3)_2 \cdot nH_2O$ ($M=Cu, Co, Ni$), *Journal of Thermal Analysis and Calorimetry*, 53 (2) (1998) 617-623.
2014.72. Kurdyukov, D.A., Eurov, D.A., Stovpiaga, E.Y., Yakovlev, S.A., Kirilenko, D.A., Golubev, V.G., *Photonic crystals and glasses from monodisperse spherical mesoporous silica particles filled with nickel*, *Physics of the Solid State*, 56 (5) (2014) 1033-1038.
42. Živković, Z., Živković, D., Grujičić, D., Savović, V., Kinetics of the oxidation process in the system Zn-Fe-S-O, *Thermochimica Acta*, 315 (1) (1998) 33-37.
2014.73. Malecki, S., Jarosz, P., *Thermogravimetric analysis of the zinc concentrates oxidation containing various iron compounds*, *Archives of Metallurgy and Materials*, 59 (3) (2014) 941-945.
43. 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), 1644-1649
2014.74 Kawecki A., Knysz T., Sieja-Smaga E., Mamala A., Kwaśniewski P., Kiesiewicz G., Smyrak B., Korzeń K., *Technology production and properties of high-strength, high-conductivity nanostructured copper-silver wires for a new type of overhead line conductors*, *Wire Journal International*, 47 (7) (2014) pp. 66-73
2014.75 Shen L., Li Z., Zhang Z., Dong Q., Xiao Z., Lei Q., Qiu W., *Effects of silicon and thermo-mechanical process on microstructure and properties of Cu-10Ni-3Al-0.8Si alloy*, *Materials and Design*, 62 (2014) 265-270.
2014.76 Krishna S.C., Gangwar N.K., Jha A.K., Pant B., George K.M., *Enhanced strength in Cu-Ag-Zr alloy by combination of cold working and aging*, *Journal of Materials Engineering and Performance*, 23 (4) (2014) 1458-1464.
44. Nestorovic, S., Markovic, D., Ivanic, L, Influence of degree of deformation in rolling on anneal hardening effect of a cast copper alloy, *Bulletin of Materials Science*, 26(6)(2003) 601-604
2014.77. Ito Y., Matsunaga H., Mori H., Maki K., *Effect of plastic deformation on the proof strength and electrical conductivity of copper-magnesium supersaturated solid-solution alloys*, *Materials Transactions*, 55 (11)(2014) 1738-1741.
45. Bozic D., Gorgievski M., Stankovic V., Strbac N., Serbula S., Petrovic N., Adsorption of heavy metal ions by beech sawdust - Kinetics, mechanism and equilibrium of the process, 2013, *Ecological Engineering*, 58 (2013), pp. 202-206.
2014.78. Coelho, G.F., Gonçalves Jr., A.C., Tarley, C.R.T., Nacke, H., Francziskowski, M.A., *Removal of metal ions Cd (II), Pb (II), and Cr (III) from water by the cashew nut shell Anacardium occidentale L*, *Ecological Engineering*, 73(2014), pp. 514-525.

2014.79. Lima, L.K.S., Silva, J.F.L., Da Silva, M.G.C., Vieira, M.G.A., *Lead iosorption by salvinia natans biomass: Equilibrium study*, 38 (2014), pp. 97-102.

1.80. Weng, C.-H., Lin, Y.-T., Hong, D.-Y., (...), Chen, S.-C., Tripathi, K., *Effective removal of copper ions from aqueous solution using base treated black tea waste*, *Ecological Engineering*, 67 (2014), pp. 127-133.

46. 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*, 58 (2013), pp. 113-122.

2014.81. Xiao-jing, H., Hai-dong, G., Ting-ting, Z., Yu, J., Juan-juan, Q., *Biosorption mechanism of Cu²⁺ by innovative immobilized spent substrate of fragrant mushroom biomass*, *Ecological Engineering*, 73 (2014), pp. 509-513.

2014.82. Şener, M., Reddy, D.H.K., Kayan, B., *Biosorption properties of pretreated sporopollenin biomass for lead(II) and copper(II): Application of response surface methodology*, *Ecological Engineering*, 68 (2014), pp. 200-208.

2014.83. Weng, C.-H., Lin, Y.-T., Hong, D.-Y., Chen, S.-C., Tripathi, K., *Effective removal of copper ions from aqueous solution using base treated black tea waste*, *Ecological Engineering*, 67 (2014), pp. 127-133.

2014.84. Meitei, M.D., Prasad, M.N.V., *Adsorption of Cu (II), Mn (II) and Zn (II) by Spirodela polyrhiza (L.) Schleiden: Equilibrium, kinetic and thermodynamic studies*, *Ecological Engineering*, 71 (2014), pp. 308-317.

2014.85. Yakout, S.M., *Review on the bioremediation by Aspergillus niger*, *Journal of Pure and Applied Microbiology*, 8(1)(2014), pp. 109-116.

2014.86. Wu, Y., Zhou, Z., Yan, R., Zheng, J., *Biosorption of Zn²⁺ and Pb²⁺ from aqueous solutions using native and microwave treated Flammulina velutipes stipe*, *Korean Journal of Chemical Engineering*, 31(8)(2014), pp. 1444-1450.

47. Mihajlovic I., Strbac N., Nikolic D., Zivkovic Z., *Potential metallurgical treatment of copper concentrates with high arsenic contents*, *Journal of the Southern African Institute of Mining and Metallurgy*, 111(6)(2011), pp. 409-416.

2014.87. Safarzadeh, M.S., Miller, J.D., *Reaction of enargite (Cu₃AsS₄) in hot concentrated sulfuric acid under an inert atmosphere. Part I: Enargite concentrate*, *International Journal of Mineral Processing*, 128(2014), pp. 68-78.

2014.88.. Bai, S.J., Wen, S.M., Zhao, H.F., Lv, C., *Arsenic removal from pyrite cinders by oxidizing roasting with sodium hydroxide addition*, *Advanced Materials Research*, 881-883(2014), pp. 1655-1659.

2014.89. Safarzadeh, M.S., Miller, J.D., Petersen, E.U., *Effects of sulfuric acid dosage on the baking of an enargite concentrate*, *Minerals and Metallurgical Processing*, 31(4)(2014), pp. 193-199.

2014.90. Safarzadeh, M.S., Miller, J.D., *Phase transformations during sulfuric acid baking of an enargite concentrate*, *SME Annual Meeting and Exhibit, SME 2014: Leadership in Uncertain Times*, 2014, pp. 513-519.

2014.91. Safarzadeh, M.S., Moats, M.S., Miller, J.D., *An update to "recent trends in the processing of enargite concentrates", Mineral Processing and Extractive Metallurgy Review*, 35(6)(2014), pp. 390-422.

48. Strbac N., Mihajlovic I., Andric V., Zivkovic Z., Rosic A., Kinetic investigations of two processes for zinc recovery from zinc plant residue, *Canadian Metallurgical Quarterly*, 50(1)(2011), 28-36.

2014.92. Janković, B., Stopić, S., Güven, A., Friedrich, B., *Kinetic analysis of isothermal decomposition process of zinc leach residue in an inert atmosphere. the estimation of the apparent activation energy distribution*, *Mineral Processing and Extractive Metallurgy Review*, 35(4)(2014), pp. 239-256.

49. Mihajlovic I., Strbac N., Zivkovic Z., Kovacevic R., Stehernik M., A potential method for arsenic removal from copper concentrates, *Minerals Engineering*, 20(1)(2007), pp. 26-33.

2014.93. Bujňáková, Z., Baláž, P., Zorkovská, A., *Enargite concentrate processing by the combination of mechanochemical, hydrometallurgical and precipitation methods*, *International Journal of Mineral Processing*, 127(2014), pp. 28-36.

2014.94. Ruiz, M.C., Grandon, L., Padilla, R., *Selective arsenic removal from enargite by alkaline digestion and water leaching*, *Hydrometallurgy*, 150(2014), pp. 20-26.

2014.95. Safarzadeh, M.S., Moats, M.S., Miller, J.D., *Recent trends in the processing of enargite concentrates*, *Mineral Processing and Extractive Metallurgy Review*, 35(5)(2014), pp. 283-367.

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

2014.96. C. Stancu, P.V. Notingher, V. Ionita, V. Marinescu, D. Panaitescu, *Polyethylene-based magnetic composites*, *2014 International Conference on Applied and Theoretical Electricity, ICATE 2014 - Proceedings*, 2014, *Proceedings Book*, pp.

51. S. Lj. Ivanov, Lj. S. Ivanic, D. M. Guskovic, S. A. Mladenovic, Optimizacija režima starenja legura na aluminijumskoj osnovi | [Optimization of the aging regime of Al-based alloys], *Hem. Ind.* 66(4): 601–607 (2012)

2014.97. A. T. Ivanovic, B. T. Trumic, N. S. Vukovic, S. R. Marjanovic, B. R. Marjanovic, *The influence of melting atmosphere and casting on the mechanical and structural characteristics of palladium-nickel alloy*, *Journal of Optoelectronics and Advanced Materials* 16 (7-8): 925 – 932 (2014).

52. S. Ivanov, E. Požega, "Influence of the composition of the boroning mixture on the dimension change of pressed and boroned samples from iron powder", *Sci. Sinter.* 40 (2): 197-205 (2008).

2014.98. A. T. Ivanovic, B. T. Trumic, N. S. Vukovic, S. R. Marjanovic, B. R. Marjanovic, *The influence of melting atmosphere and casting on the mechanical and structural characteristics of palladium-nickel alloy*, *J. Optoelectron. Adv. M.* 16 (7-8): 925 – 932 (2014).

53. S. A. Mladenović, Lj. S. Ivanić, M. M. Rajčić-Vujasinović, S. Lj. Ivanov, D. M. Gusković, Elektrohemijsko ponašanje i kvašljivost livenih bezolovnih lemnih legura u sistemu Sn-Zn-Sb | [Electrochemical and wetting behavior of as-cast Sn-Zn-Sb lead free solders alloys], *Hem. Ind.* 67 (3): 477-484 (2013).

2014.99. T. Gancarz, *Physicochemical Properties of Sb-Sn-Zn Alloys*, *Journal of Electronic Materials (J Electron Mater)* 43 (12): 4374-4385 (2014). ISSN: 0361-5235; IF(2013) = 1.675; M22 (*Materials Science, Multidisciplinary* 99/251)

54. Vujasinovic M.R., Stevic Z., Bugarinovic S., Electrochemical characteristics of natural mineral covellite. *Open J. Met.*, 2, (2012) 60-67.

2014.100. D.Erdenechimeg, B.Maralmaa, A.V.Kashevskii *Electrochemical investigation of mineral electrodes in phosphate-buffered alkaline solution Mongolian Journal of Chemistry* 15 (41), 2014, 33-35

2014.101. CJ Raj, BC Kim, WJ Cho, WG Lee, Y Seo, *Electrochemical capacitor behavior of copper sulfide (CuS) nanoplatelets*, *Journal of Alloys and Compounds*, Volume 586, 15 February 2014, Pages 191–196

55. Vukovic M., Stankovic Z.D., Rajcic-Vujasinovic M., Cvetkovski V., Voltammetric investigations of anodic dissolution of natural mineral chalcopyrite. *J. Mining. Met.* 44B, (2008) 115-124

2014.102. D.Erdenechimeg, B.Maralmaa, A.V.Kashevskii, *Electrochemical investigation of mineral electrodes in phosphate-buffered alkaline solution Mongolian Journal of Chemistry* 15 (41), 2014, 33-35

2014.103. Liang, C.-L., Xia, J.-L., Nie, Z.-Y., Yu, S.-J., Xu, B.-Q., *Effect of initial pH on chalcopyrite oxidation dissolution in the presence of extreme thermophile Acidianus manzaensis*, 2014 *Transactions of Nonferrous Metals Society of China (English Edition)* 24 (6), pp. 1890-1897

2014.104. Chang-li Liang, Jin-lan Xia, Zhen-yuan Nie, Shui-jing Yu, Bao-quan Xu, *Effect of initial pH on chalcopyrite oxidation dissolution in the presence of extreme thermophile Acidianus manzaensis Transactions of Nonferrous Metals Society of China* 06/2014; 24(6):1890–1897. DOI: 10.1016/S1003-6326(14)63268-4

56. S.Dimitrijević, M. Rajcic-Vujasinovic, V. Trujić, Non-cyanide electrolytes for gold plating – a review, *Int. J. Electrochem. Sci.*, 8 (2013)

2014.105. Yuxin Wang, Ying Ju, Shanghai Wei, Wei Gao, Wei Lu and Biao Yan, *Au-Ni-TiO₂ Nano-Composite Coatings Prepared by Sol-Enhanced Method J. Electrochem. Soc.*, 161 (14) D775-D781 (2014)

2014.106. Baitimirova, M., Pastare, A., Katkevics, J., (...), Prikulis, J., Erts, D., *Gold nanowire synthesis by semi-immersed nanoporous anodic aluminium oxide templates in potassium dicyanoaurate-hexacyanoferrate electrolyte*, 2014 *Micro and Nano Letters* 9 (11), pp. 761-765

56. Z. Stevic and M. Rajcic-Vujasinovic, Chalcocite as a potential material for supercapacitors, *Journal of Power Sources*, 160 (2006) 1511-1517

2014.107.CJ Raj, BC Kim, WJ Cho, WG Lee, Y Seo, *Electrochemical capacitor behavior of copper sulfide (CuS) nanoplatelets*, *Journal of Alloys and Compounds*, Volume 586, 15 February 2014, Pages 191–196

2014.108. Rui, X., Tan, H., Yan, Q., *Nanostructured metal sulfides for energy storage*, 2014 *Nanoscale* 6 (17), pp. 9889-9924

2014.109. Zhou, X., Soldat, A.C., Lind, C. Phase selective synthesis of copper sulfides by non-hydrolytic sol-gel methods, 2014 RSC Advances 4 (2), pp. 717-726

2014.110. Patil, S.J., Patil, B.H., Bulakhe, R.N., Lokhande, C.D., Electrochemical performance of a portable asymmetric supercapacitor device based on cinnamon-like La_2Te_3 prepared by a chemical synthesis route, 2014, RSC Advances

2014.111. Electrocatalytic activity of chemically deposited Cu_xS thin film for counter electrode in quantum dots-sensitized solar cells, Iseul Lim, Deok Yoon Lee, Supriya A. Patil, Nabeen K. Shrestha, Soon Hyung Kang, Materials Chemistry and Physics (Impact Factor: 2.13). 08/2014; DOI: 10.1016/j.matchemphys.2014.08.008

57. M. Rajčić-Vujasinović, Z. Stanković, The Influence of Cupric Ions on the Rest Potential of Natural Covellite, J. Serb. Chem. Soc., 52 (10) (1987) 595-600.

2014.112. CJ Raj, BC Kim, WJ Cho, WG Lee, Y Seo, Electrochemical capacitor behavior of copper sulfide (CuS) nanoplatelets, Journal of Alloys and Compounds, Volume 586, 15 February, 2014, Pages 191–196

58. M. Rajčić-Vujasinović, Z. Stević, S. Đorđević, Primenenie pulsiruyushchego napryazheniya dlya okisleniya naturalnogo minerala kovellina, Zhurnal prikladnoi khimii (Russian Journal of Applied Chemistry) 67 (4) (1994) 594-597

2014.113. CJ Raj, BC Kim, WJ Cho, WG Lee, Y Seo, Electrochemical capacitor behavior of copper sulfide (CuS) nanoplatelets, Journal of Alloys and Compounds, Volume 586, 15 February 2014, Pages 191–196

59. M.M. Rajčić-Vujasinović, Z.D. Stanković, Z.M. Stević, The Consideration of the Analogue Electrical Circuit of the Metal or Semiconductor/Electrolyte Interfaces Based on the Time Transient Analysis Elektrokhemiya, Russian Journal of Electrochemistry, 35, 3 (1999) 347-354

2014.114. CJ Raj, BC Kim, WJ Cho, WG Lee, Y Seo, Electrochemical capacitor behavior of copper sulfide (CuS) nanoplatelets, Journal of Alloys and Compounds, Volume 586, 15 February 2014, Pages 191–196

60. V. Grekulović, M. Rajčić-Vujasinović, B. Pešić, Z. Stević, Influence of BTA on Electrochemical Behavior of AgCu_{50} Alloy, Int. J. Electrochem. Sci., 7 (2012) 5231 – 5245

2014.115. Danhel, A.; Raindlova, V.; Havran, L.; et al., Electrochemical behaviour of 2,4-dinitrophenylhydrazine as multi-redox centre DNA label at mercury meniscus modified silver solid amalgam electrode, Electrochimica acta Volume: 126 Special Issue: SI Pages: 122-131, Published: APR 20 2014

61. Z. Stević, I. Radovanović, M. Rajčić-Vujasinović, S. Bugarinović, V. Grekulović, Synthesis and characterization of specific electrode materials for solar cells and supercapacitors, J. Renewable Sustainable Energy 5 (2013) 041816-1-12;

2014.116. Rui, X., Tan, H., Yan, Q., Nanostructured metal sulfides for energy storage, 2014 Nanoscale 6 (17), pp. 9889-9924

2014.117. Taleatu, B.A., Arbab, E.A.A., Omotoso, E., Mola, G.T., Synthesis and microstructural studies of annealed $\text{Cu}_2\text{O}/\text{Cu}_x\text{S}$ bilayer as transparent electrode

material for photovoltaic and energy storage devices, 2014 Journal of Microscopy 256 (1), pp. 61-7

62. Z. Stević, M. Rajčić-Vujasinović, S. Bugarinović, A. Dekanski, Construction and characterisation of double layer capacitors, *Acta Physica Polonica, A*, vol. 117 No.1 (2010) 228-23312.

2014.118.Snamina, J., Orkisz, P. Energy harvesting from vibrations of a two-degree-of-freedom mechanical system, 2014 Acta Physica Polonica A 125 (4 A), pp. A174-A178

63. M. Gorgievski, D.Božić, V.Stanković, G.Bogdanović, 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.(ISSN 0304-3894) IF (2009) = 4.144 (Engineering, Environmental 4/42).

2014.119. Yoon, S. J., Lin, H. K., Chen, G., Hwang, G.(2014). The investigation of arsenic and heavy metal concentrations in soil, water and crops around abandoned metal mines. International Journal of Mining and Mineral Engineering, 5(2), 117-137.

64. D. Božić, V. Stanković, M. Gorgievski, G. Bogdanović, R. Kovačević, Adsorption of heavy metal ions by sawdust of deciduous trees, *Journal of Hazardous Materials* 171(1-3) (2009) pp. 684-692. (ISSN 0304-3894) IF (2009) = 4.144 (Engineering, Environmental 4/42).

2014.120.Kalkan, E., Nadaroglu, H., Celebi, N. (2014). Use of silica fume as low-cost absorbent material for nickel removal from aqueous solutions. Asian Journal of Chemistry, 26(18), 6121-6126.

*2014.121.Zang, T., Hu, X., Gu, H., Jin, Y., Qu, J. (2014). Biosorption of Cu^{2+} by *Auricularia Auricula* spent substrate and its mechanism. Huanjing Kexue Xuebao / Acta Scientiae Circumstantiae, 34(6), 1421-1428.*

2014.122.Alslaibi, T. M., Abustan, I., Ahmad, M. A., Foul, A. A. (2014). Microwave irradiated and thermally heated olive stone activated carbon for nickel adsorption from synthetic wastewater: A comparative study. AlChE, Journal, 60(1), 237-250.

2014.123.Zhang, M., Wang, H. (2014). Organic wastes as carbon sources to promote sulfate reducing bacterial activity for biological remediation of acid mine drainage. Minerals Engineering, 69, 81-90.

2014.124.Alslaibi, T. M., Abustan, I., Ahmad, M. A., Foul, A. A. (2014). Comparison of activated carbon prepared from olive stones by microwave and conventional heating for iron (II), lead (II), and copper (II) removal from synthetic wastewater. Environmental Progress and Sustainable Energy, 33(4), 1074-1085.

*2014.125.Nagy, B., Szilagyi, B., Majdik, C., Katona, G., Indolean C., Măicăneanu, A. (2014). Cd (II) and Zn (II) biosorption on *Lactarius piperatus* macrofungus: Equilibrium isotherm and kinetic studies. Environmental Progress and Sustainable Energy, 33(4), 1158-1170.*

2014.126.Sewwandi, B. G. N., Vithanage, M., Wijesekara S. S. R. M. D. H. R., Mowjood, M. I. M., Hamamoto, S., Kawamoto, K. (2014). Adsorption of Cd(II) and Pb(II) onto humic acid-treated coconut (cocos nucifera) husk. *Journal of Hazardous, Toxic, and Radioactive Waste*, 18(2), 04014001.

2014.127.Alsalibi, T. M., Abustan, I., Ahmad, M. A., Abu Foul, A. (2014). Preparation of Activated Carbon From Olive Stone Waste: Optimization Study on the Removal of Cu^{2+} , Cd^{2+} , Ni^{2+} , Pb^{2+} , Fe^{2+} , and Zn^{2+} from Aqueous Solution Using Response Surface Methodology. *Journal of Dispersion Science and Technology*, 35(7), 913-925.

65. V. Stanković, D. Božić, M. Gorgievski, G. Bogdanović, Heavy metal ions adsorption from mine waters by sawdust, *Chemical Industry & Chemical Engineering Quarterly* 15(4) (2009) pp. 237–249. (YU ISSN 1451-9372). IF2 (2009) = 1,060 (Materijali i hemijske tehnologije, Ministarstvo prosvete, nauke i tehnološkog razvoja RS).

2014.128.Padmawathi, R., Minnoli, M., Sangeetha, D. (2014). Removal of heavy metal ions from waste water using anion exchange polymer membranes. *International Journal of Plastics Technology*, 18(1), 88-99.

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

2014.129. Mizrak Özfirat, P. A new risk analysis methodology integrating fuzzy prioritization method and failure modes and effects analysis [Bulanik önceliklendirme metodu ve hata türü ve etkileri analizini birleştiren yeni bir risk analizi yöntemi], *Journal of the Faculty of Engineering and Architecture of Gazi University*, 29 (4), 2014, pp. 755-768.

67. Stojadinović, S., Žikić, M., Pantović, R., Svrkota, I., Petrović, D. High slope waste dumps – A proven possibility, *Acta Montanistica Slovaca*, 18 (1), 2013, pp. 40-51.
2014.130. Stojiljkovic, E., Grozdanovic, M., Marjanovic, D. Impact of the underground coal mining on the environment, *Acta Montanistica Slovaca*, 19 (1), 2014, pp. 6-14.

68. Stojadinović, S., Svrkota, I., Petrović, D., Denić, M., Pantović, R., Milić, V. Mining injuries in Serbian underground coal mines - A 10-year study, *Injury*, 43 (12), 2012, pp. 2001-2005.

2014.131. Ishtiaq, M., Rabnawaz, Khan, K., Khan, H., Zakir, S., Sarwar, G., Jehan, N. Prevalance of pneumoconiosis among coal miners of Cherat, District Nowshera – Pakistan, *Journal of Postgraduate Medical Institute*, 28 (2), 2014, pp. 139-144.

69. Stojadinović, S., Žikić, M., Pantović, R. A new approach to blasting induced ground vibrations and damage to structures, *Acta Montanistica Slovaca*, 16 (4), 2011, pp. 344-354.

2014.132. Wen, C., Duan, S., Evaluation of masonry structure destructive effect under blasting vibration based on catastrophe progression method, *Jiefangjun Ligong Daxue Xuebao/Journal of PLA University of Science and Technology (Natural Science Edition)*, 15 (5), 2014, pp. 450-456.

70. 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.
2014.133. Liu, J., Sun, P., Liu, F., Zhao, M., *Design and optimization for bench blast based on Voronoi diagram*, *International Journal of Rock Mechanics and Mining Sciences*, 66, 2014, pp. 30-40.
2014.134. Yari, M., Monjezi, M., Bagherpour, R., Jamali, S., *Developing a mathematical assessment model for blasting patterns management: Sungun copper mine*, *Journal of Central South University*, 21 (11), 2014, pp. 4344-4351.
2014.135. Raina, A.K., Murthy, V.M.S.R., Soni, A.K., *Flyrock in bench blasting: a comprehensive review*, *Bulletin of Engineering Geology and the Environment*, 73 (4), 2014, pp. 1199-1209.
2014.136. Marto, A., Hajihassani, M., Armaghani DJ, Mohamad ET, Makhtar AM, *A Novel Approach for Blast-Induced Flyrock Prediction Based on Imperialist Competitive Algorithm and Artificial Neural Network*, *Scientific World Journal*, Article Number:643715, DOI:10.1155/2014/643715, 2014
71. S. Serbula, T. Kalinovic, A. Ilic, J. Kalinovic, M. Steharnik, Assessment of airborne heavy metal pollution using Pinus spp. and Tilia spp., *Aerosol and Air Quality Research*, 13 (2013) 563–573
2014.137. Hu, Y., Wang, D., Wei, L., Zhang, X., Song, B., *Bioaccumulation of heavy metals in plant leaves from Yan[U+05F3]an city of the Loess Plateau, China*, *Ecotoxicology and Environmental Safety*, 110(2014) 82-88
2014.138. Bertolotti, G., Gialanella, S., *Review: Use of conifer needles as passive samplers of inorganic pollutants in air quality monitoring*, *Analytical Methods*, 6 (16)(2014) 6208-6222
72. S. Alagić, S. Šerbula, S. Tošić, A. Pavlović, J. Petrović, Bioaccumulation of Arsenic and Cadmium in Birch and Lime from the Bor Region, *Archives of Environmental Contamination and Toxicology*, 65 (2013), 671-682
2014.139. Pallavicini, N., Engström, E., Baxter, D.C., Öhlander, B., Ingri, J., Rodushkin, I., *Cadmium isotope ratio measurements in environmental matrices by MC-ICP-MS*, *Journal of Analytical Atomic Spectrometry* 29 (9)(2014) 1570-1584
73. S. Serbula, D. Miljkovic, R. Kovacevic, A. Ilic, Assessment of airborne heavy metal pollution using plant parts and topsoil, *Ecotoxicology and Environmental Safety*, 76 (2012) 209-214
2014.140. Hu, Y., Wang, D., Wei, L., Zhang, X., Song, B., *Bioaccumulation of heavy metals in plant leaves from Yan[U+05F3]an city of the Loess Plateau, China*, *Ecotoxicology and Environmental Safety*, 110, (2014) 82-88
2014.141. Fang, G.-C., Zheng, Y.-C., *Diurnal ambient air particles, metallic elements dry deposition, concentrations study during year of 2012–2013 at a traffic site*, *Atmospheric Environment*, 88 (2014) 39-46
2014.142. Stankovic, S., Kalaba, P., Stankovic, A.R., *Biota as toxic metal indicators*, *Environmental Chemistry Letters*, 12, 1 (2014) 63-84

- 2014.143. Chudzinska, E., Diatta, J.B., Wojnicka-Poltorak, A., *Adaptation strategies and referencing trial of Scots and black pine populations subjected to heavy metal pollution, Environmental Science and Pollution Research*, 21, 3(2014) 2165-2177
- 2014.144. Caballero-Segura B, Ávila-Pérez, P., Barrera Díaz, C.E., Ramírez García, J.J., Zarazúa, G., Soria, R., Ortiz-Oliveros, H.B., *Metal content in mosses from the Metropolitan Area of the Toluca Valley: a comparative study between inductively coupled plasma optical emission spectrometry (ICP-OES) and total reflection X-ray fluorescence spectrometry (TXRF), International Journal of Environmental Analytical Chemistry*, 94 (13) (2014) 1288-1301
- 2014.144. Fang, G.-C., Zheng, Y.-C., Zeng, C.-S., Chen, Y.-C., Lin, S.M., *Comparisons of annual ambient air pollutant concentrations and dry deposition flux variations for day and nighttime in middle Taiwan, Environmental Earth Sciences*, 72 (11) (2014) 4325-4334
- 2014.145. Vystavna, Y., Rushenko, L., Diadin, D., Klymenko, O., Klymenko, M., *Trace metals in wine and vineyard environment in southern Ukraine, Food Chemistry*, 146, (2014) 339-344
- 2014.146. Zupančič, N., Skobe, S., *Anthropogenic environmental impact in the Mediterranean coastal area of Koper/Capodistria, Slovenia, Journal of Soils and Sediments*, 14 (1), (2014) 67-77

74. S. Serbula, M. Antonijević, N. Milosević, S. Milic, A. Ilic, *Concentrations of particulate matter and arsenic in Bor (Serbia), Journal of Hazardous Materials*, 181, 1-3(2010) 43-51

Citiran 3 puta:

- 2014.147. Huang, M., Chen, X., Zhao, Y., Yu Chan, C., Wang, W., Wang, X., Wong, M.H., *Arsenic speciation in total contents and bio accessible fractions in atmospheric particles related to human intakes, Environmental Pollution*, 188, (2014) 37-44
- 2014.148. Barima, Y.S.S., Angaman, D.M., N'Gouran, K.P., Koffi, N.A., Kardel, F., De Cannière, C., Samson, R., *Assessing atmospheric particulate matter distribution based on Saturation Isothermal Remanent Magnetization of herbaceous and tree leaves in a tropical urban environment, Science of the Total Environment*, 470-471, (2014) 975-982
- 2014.149. Chalvatzaki, E., Aleksandropoulou, V., Lazaridis, M., *A case study of landfill workers exposure and dose to particulate matter-bound metals, Water, Air, and Soil Pollution*, 225 (1) (2014) 1782

75. E. Malkowsky, I. Djolović, *Compact operators into the spaces of strongly C1 summable and bounded sequences, Nonlinear Analysis, Theory, Methods and Applications*, Volume 74, Issue 11, July 2011, Pages 3736-3750

- 2014.150. Alotaibi, A., Malkowsky, E., Nergiz, H., *Compact operators on some generalized mixed norm spaces, Filomat*, Volume 28, Issue 5, 2014, Pages 1019-1026
2014. 151. Malkowsky, E., Alotaibi, A., *Measure of noncompactness for compact matrix operators on some BK spaces, Journal of Function Spaces* Volume 2014, 2014, Article number 196489

76. I.Djolović, On compact operators on some spaces related to matrix $B(r,s)$, 2010, *Filomat*, (2) 41-51

2014.152. Mursaleen, M. , Noman, A.K. , Hausdorff measure of noncompactness of certain matrix operators on the sequence spaces of generalized means , *Journal of Mathematical Analysis and Applications* Volume 417, Issue 1, 1 September 2014, Pages 96-111

2014.153. Özger, F. , Başar, F. , Domain of the double sequential band matrix $B()$ on some Maddox's spaces , *Acta Mathematica Scientia* Volume 34, Issue 2, March 2014, Pages 394-408

2014.154. Malkowsky, E. , Özger, F. , Alotaibi, A. , Some notes on matrix mappings and their Hausdorff measure of noncompactness , *Filomat*, Volume 28, Issue 5, 2014, Pages 1071-1084

77. I.Djolović, E.Malkowsky, Matrix transformations and compact operators on some new m th-order difference sequences , *Applied Mathematics and Computation* , Volume 198, Issue 2, 1 May 2008, Pages 700-714

2014.155. Başarir, M. , Kara, E.E. , Konca, S. , On some new weighted euler sequence spaces and compact operators , *Mathematical Inequalities and Applications* Volume 17, Issue 2, April 2014, Pages 649-664

78. I.Djolović, E.Malkowsky, A note on compact operators on matrix domains , *Journal of Mathematical Analysis and Applications*, Volume 340, Issue 1, 1 April 2008, Pages 291-303

2014.156. Maji, A. , Srivastava, P.D. , Applications of the Hausdorff Measure of Noncompactness on the Space $lp(r, s, t; B(m))$, $1 \leq p < \infty$, *Springer Proceedings in Mathematics and Statistics Springer Proceedings in Mathematics and Statistics* Volume 91, 2014, Pages 271-281

79. I.Djolović, On the space of bounded Euler difference sequences and some classes of compact operators , *Applied Mathematics and Computation* Volume 182, Issue 2, 15 November 2006, Pages 1803-1811

2014.157. Maji, A. , Srivastava, P.D. , Applications of the Hausdorff Measure of Noncompactness on the Space $lp(r, s, t; B(m))$, $1 \leq p < \infty$, *Springer Proceedings in Mathematics and Statistics Springer Proceedings in Mathematics and Statistics* Volume 91, 2014, Pages 271-281

80. I.Djolović, Compact operators on the spaces $a_0^r(\Delta)$ and $ac^r(\Delta)$, *Journal of Mathematical Analysis and Applications* , Volume 318, Issue 2, 15 June 2006, Pages 658-666

2014.158. Malkowsky, E. , Alotaibi, A., Measure of noncompactness for compact matrix operators on some BK spaces, *Journal of Function Spaces* Volume 2014, 2014, Article number 196489

81. M. Vuković, V. Cvetkovski, V. Conić, Mechanisms of microbiologically induced corrosion of metals in the environments containing sulphate-reducing bacteria, *Corrosion Reviews* 27(1-2)(2009): 1-22.

2014.159. Cheng-hao Liang, Hua Wang, Nai-bao Huang, *Effects of Sulphate-reducing Bacteria on Corrosion Behaviour of 2205 Duplex Stainless Steel*, *Journal of Iron and Steel Research, International* 21(4)(2014): 444–450.

82. M. Vuković, V. Cvetkovski, V. Conić, Mechanisms of microbiologically induced corrosion of metals in the environments containing sulphate-reducing bacteria, *Corrosion Reviews* 27(1-2)(2009): 1-22.

2014.160. K.M. Usher, A.H. Kaksonen, I. Cole, D. Marney, *Critical review: Microbially influenced corrosion of buried carbon steel pipes*, *International Biodeterioration & Biodegradation* 93(2014): 84-106.

83. M. Vukovic, Anodic dissolution of Armco iron in 0.5 M H₂SO₄ in the presence of adsorbed chloride ions, *Hydrometallurgy* 42(1996): 387-398.

2014.161. Nilson Marriaga-Cabral, Fiderman Machuca-Martinez, *Impedance spectra of anodic dissolution of iron in distillery vinasse*, *Electrochimica Acta* 140(10)(2014): 529-534.

84. Z.D. Stankovic, M. Vukovic, The Influence of Thiourea on Kinetic Parameters on the Cathodic and Anodic Reaction at Different Metals in H₂SO₄ Solution, *Electrochim. Acta* 41(1996): 2529–2535.

2014.162. William Cheuquepan, Juan Manuel Perez, Jose Manuel Orts, Antonio Rodes, *Spectroelectrochemical and DFT Study of Thiourea Adsorption on Gold Electrodes in Acid Media*, *Journal of Physical Chemistry C* 118(2014):19070-19084.

85. M. Vukovic, Influence of pH on the dissolution of iron in sulphuric acid solutions, *Hydrometallurgy* 43(1996): 79-93.

2014.163. Carlos Gerónimo-López, Jorge Vazquez-Arenas, Michel Picquart, Ignacio González, *The energetic conditions determining the active dissolution of carbon steel during electrocoagulation in sulfate media*, *Electrochim. Acta* 136(2014): 146-156.

86. M. Vukovic, Influence of pH on the dissolution of iron in sulphuric acid solutions, *Hydrometallurgy* 43(1996): 79-93.

2014.164. R. Sueptitz, K. Tschulik, M. Uhlemann, J. Eckert, A. Gebert, *Retarding the corrosion of iron by inhomogeneous magnetic fields*, *Materials and Corrosion* 65(8)(2014): 803-808.

87. Z.D. Stankovic, M. Vukovic, The Influence of Thiourea on Kinetic Parameters on the Cathodic and Anodic Reaction at Different Metals in H₂SO₄ Solution, *Electrochim. Acta* 41(16)(1996): 2529–2535.

2014.165. Seyed Yousef Arman, Reza Naderi, Bijan Pouryosefi Markhalia, *Effect of DC trend removal and window functioning methods on correlation between electrochemical noise parameters and EIS data of stainless steel in an inhibited acidic solution*, *RSC Advances* 4(2014): 39045-39057.

88. Z.D. Stankovic, M. Vukovic, The Influence of Thiourea on Kinetic Parameters on the Cathodic and Anodic Reaction at Different Metals in H₂SO₄ Solution, *Electrochim. Acta* 41(16)(1996): 2529–2535.

2014.166. Christopher Cleveland, Saeed Moghaddam, Mark E. Orazem, *Nanometer-Scale Corrosion of Copper in De-Aerated Deionized Water*, *Journal of the Electrochem. Soc.* 161(8)(2014): C107-C1011.

89. Brodic, D., Milivojevic, Z.N., Log-polar transformation as a tool for text skew estimation, *Elektronika ir Elektrotechnika*. Volume 19, Issue 2, 2013, Pages 61-64.
2014.167. Wajid, M. , Goel, A.R., Pixel probability based estimation of skew angle for text images, Proceedings - 2014 4th International Conference on Advances in Computing and Communications, ICACC 2014, Pages 105-108, Kochi, India, 2014.
2014.168. Xia, Z., Gao, H.J., Zhang, X.H. An effective multi-feature extraction method for manually plotted well-log curve line. Applied Mechanics and Materials. 2013 International Conference on Sensors, Mechatronics and Automation, ICSMA 2013, Shenzhen, China, Volume 511-512, Pages 452-456, 2014.
90. Brodić, D., Maluckov, C.A., Peng, L. Estimation of the text skew in the old printed documents. *International Journal of Computers, Communications and Control*, Volume 8, Issue 5, 2013, Pages 673-680.
2014.169. Mehta, S., Walia, E., Dutta, M. A new fast approach for skew estimation using moments and wavelet transform. 4th International Conference on Image Processing Theory, Tools and Applications, IPTA 2014, Paris, France, 2014, Pages 1-6.
91. Brodic, D. Optimization of the anisotropic Gaussian kernel for text segmentation and parameter extraction. *IFIP Advances in Information and Communication Technology*, 6th IFIP TC 1/WG 2.2 International Conference on Theoretical Computer Science, TCS 2010, Volume 323 AICT, 2010, Pages 140-152.
2014.170. Zeng, Z. , Yi, S., Wen, Z., Zhu, Y., Zhu, W. A novel scene text extraction method based on a multi-resolution markov random field, Journal of Computational Information Systems, Volume 10, Issue 21, Pages 9405-9412. November 2014.
92. Riznić, D., Kovačić, B., Water Temperature Adjustment in Spas by the Aid of Heat Pump, *Thermal Science*, 16 (2012), 4, pp. 1127-1136
2014.171. G.J. Jung, G.S.Oh , C.W.Chung, H.J.Kim: Heat transfer on grooved high density poly ethylene tube for surface water source heat pump, Thermal science, 2014, vol. 18, no. 4, pp. 1327-1341
93. J. Sestak, P. Holba, Z. Zivkovic, 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* 50(1) (2014) 77-81
2014.172. I. Avramov, J. Sestak, Generalized kinetics of overall phase transition explicit to crystallization, Journal of Thermal Analysis and Calorimetry 118(3) (2014) 1715-1720
2014.173. J.Sestak, Is the original Kissinger equation obsolete today: not obsolete the entire non-isothermal kinetics, Journal of Thermal Analysis and Calorimetry117(1) (2014) 3-7
94. R. I. Dimitrov, N. Moldovanska, I. K. Bonev, Z. Zivkovic, Oxidation of marmatite, *Thermochimica Acta*, 362 (1-2) (2000) 145-151.
2014.174. B. Boyanov, A. Peltekov, V. Petkova, Thermal behavior of zinc sulfide concentrates with different iron content at oxidative roasting, Thermochimica Acta 586 (2014) 9-16

2014.175. S. Malecki, P. Jarosz, *Thermogravimetric analysis of the zinc concentrates oxidation containing various iron compounds*, *Archives of Metallurgy and Materials* 59 (3) (2014) 941-945

2014.176. H. Yan, L.-Y. Chai, B. Peng, M. Li, N. Peng, D.-K. Hou, *A novel method to recover zinc and iron from zinc leaching residue*, *Minerals Engineering* 55 (2014) 103-110

95. I. Mihajlovic, N. Strbac, Z. Zivkovic, I. Ilic, *Kinetics and mechanism of As₂S₂ oxidation*, *Journal of the Serbian Chemical Society*, 70 (6) (2005) 869-877.

2014.177. M. S. Safarzadeh, M. S. Moats, J. D. Miller, *Recent trends in the processing of enargite concentrates*, *Mineral Processing and Extractive Metallurgy Review* 35 (5) (2014) 283-367.

96. J. Sestak, A. Kozmidis-Petrovic, Z. Zivkovic, *Crystallization kinetics accountability and the correspondingly developed glass-forming criteria - A personal recollection at the forty years anniversaries*, *Journal of Mining and Metallurgy, Section B: Metallurgy*, 47 (2) (2011) 229-239.

2014.178. P. Holba, J. Šesták, *Imperfections of Kissinger evaluation method and crystallization kinetics*, *Glass Physics and Chemistry* 40 (5) (2014) 486-495

2014.179. B. Z. Janković, M. M. Janković, *Thermal characterization and isothermal kinetic analysis of commercial Creosote decomposition process*, *Journal of Thermal Analysis and Calorimetry* 115 (1) (2014) 823-832

97. I. Jovanovic, P. Stanimirovic, Z. Zivkovic, *Environmental and Economic Criteria in Ranking of Copper Concentrates*, *Environmental Modeling and Assessment*, 18 (1) (2013) 73-83.

2014.180. J.-H. Liu, W.-H. Gui, Y.-F. Xie, C.-H. Yang, *Dynamic modeling of copper flash smelting process at a Smelter in China*, *Applied Mathematical Modelling* 38 (7-8) (2014) 2206-2213

98. Dj. Nikolic, N. Milosevic, I. Mihajlovic, Z. Zivkovic, V. Tasic, R. Kovacevic, N. Petrovic, *Multi-criteria Analysis Of Air Pollution With So₂ And Pm₁₀ In Urban Area Around The Copper Smelter In Bor, Serbia* *Water Air and Soil Pollution* 206(1-4) (2010) 369-383

2014.181. M. Buljac, D. Bogner, M. Bralic, N. Peris, M. Buzuk, S. Brinic, N. Vladislavic, *Cadmium and Lead Distribution in Marine Soil Sediments, Terrestrial Soil, Terrestrial Rock, and Atmospheric Particulate Matter Around Split, Croatia*, *Analytical Letters* 47(11) (2014) 1952-1964

99. I. Djuric, I. Mihajlovic, Z. Zivkovic, R. Filipovic, *Modeling the compensation effect for different bauxite types leaching in NaOH solution*, *Chemical Engineering Communications*, 197 (12) (2010) 1485-1499.

2014.182. T. C. Alex, R. Kumar, S. K. Roy, S. P. Mehrotra, *Towards ambient pressure leaching of boehmite through mechanical activation*, *Hydrometallurgy* 144-145 (2014) 99-106

100. Dj. Nikolic, I. Jovanovic, I. Mihajlovic, Z. Zivkovic, *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*, 91 (2) (2009) 509-515.

2014.183. M. S. Safarzadeh, M. S. Moats, J. D. Miller, *An update to "recent trends in the processing of enargite concentrates"*, *Mineral Processing and Extractive Metallurgy Review* 35 (6) (2014) 390-422

101. M. Arsic, D. Nikolic, Z. Zivkovic, S. Urosevic, I. Mihajlovic, The effect of TQM on employee loyalty in transition economy, Serbia, *Total Quality Management and Business Excellence*, 23 (5-6) (2012) 719-729.

2014.184. K.-R. Kont, S. Jantson, *A Study of Salary Constraints in Estonian University Libraries*, *Slavic and East European Information Resources* 15 (1-2) (2014) 60-79

2014.185. K. I. Alshitri, A. N. Abanumy, *TQM practices in Saudi Arabia: Antecedents and consequences of job performance among R&D center employees*, *Information (Japan)* 17 (6 B) (2014) 2655-2673

102. R. Smiljanic, D. Lazic, M. Gligoric, M. Jotanovic, Z. Zivkovic, I. Mihajlovic, Modelling the process of Al(OH)(3) crystallization from industrial sodium aluminate solutions using artificial neural networks, *Journal of the Serbian Chemical Society* 76(8) (2011) 1163-1175

2014.186. L. Jiao, XF. Wang, H. Li, YX Wang, *QSPR study on the gas/particle partition coefficient of polychlorinated biphenyls using the molecular distance-edge vector index*, *Journal of the Serbian Chemical Society* 79(8) (2014) 965-975

103. M. Arsic, D. Nikolic, P. Djordjevic, I. Mihajlovic, Z. Zivkovic, Episodes of extremely high concentrations of tropospheric ozone in the urban environment in Bor - Serbia, *Atmospheric Environment*, 45 (32) (2011) 5716-5724.

2014.187. T. Fontes, L. M. Silva, M. P. Silva, N. Barros, A. C. Carvalho, *Can artificial neural networks be used to predict the origin of ozone episodes?*, *Science of the Total Environment* 488-489 (1) (2014) 197-207

2014.188. Rozbicka, K., Majewski, G., Rozbicki, T., (2014), *Seasonal variation of air pollution in Warsaw conurbation*, *Meteorologische Zeitschrift*, 23 (2) 175-179.

104. Živković, Ž., Mitevska, N., Mihajlović, I., Nikolić, Dj., The influence of the silicate slag composition on copper losses during smelting of the sulfide concentrates. *Journal of Mining and Metallurgy, Section B: Metallurgy* , 45 (1) (2009) 23-34.

2014.188. Liu, J.-H., Gui, W.-H., Xie, Y.-F., Yang, C.-H. (2014). *Dynamic modeling of copper flash smelting process at a Smelter in China*. *Source of the Document Applied Mathematical Modelling*, 38 (7-8), pp. 2206-2213.

105. J. Sokolovic, R. Stanojlovic, Z. Markovic, Activation of oxidized surface of anthracite waste coal by attrition, *Physicochemical Problems of Mineral Processing*, 48 (1) (2012) 5-18.

2014.189. W. Xia, J. Yang, B. Zhu, *The improvement of grindability and floatability of oxidized coal by microwave pre-treatment*, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects* 36 (1) (2014) 23-30.

2014.190. W. Xia, J. Yang, C. Liang, B. Zhu, *The effects of conditioning time on the flotation of oxidized coal*, *Energy Sources, Part A: Recovery, Utilization and Environmental Effects* 36 (1) (2014) 31-37.

106. W. Xia, J. Yang, C. Liang, Investigation of changes in surface properties of bituminous coal during natural weathering processes by XPS and SEM, *Applied Surface Science* 293 (2014) 293–298.

2014.191. W. Xia, G. Xie, C. Ren, Z. Zhang, C. Liang, X. Ge, *Effect of natural weathering processes on size and density compositions of bituminous coal*, *Energy & Fuels* 28 (7) (2014) 4496–4500.

2014.192. W. Xia, G. Xie, *Changes in the hydrophobicity of anthracite coals before and after high temperature heating process*, *Powder Technology* 264 (2014) 31–35.

2014.193. W. Xia, G. Xie, C. Liang, J. Yang, *Flotation behavior of different size fractions of fresh and oxidized coals*, *Powder Technology* 267 (2014) 80–85.

2014.194. W. Xia, J. Yang, *Changes in surface properties of anthracite coal before and after inside/outside weathering processes*, *Applied Surface Science* 313 (2014) 320–324.

2014.195. W. Zhang, X. Tang, *Flotation of lignite pretreated by sorbitan monooleate*, *Physicochemical Problems of Mineral Processing* 50 (2) (2014) 759–766.

107. J. Sokolovic, R. Stanojlovic, Z. Markovic, The Effects of Pretreatment on the Flotation Kinetics of Waste Coal, *International Journal of Coal Preparation and Utilization*, 32 (3) (2012) 130–142.

2014.196. G. Cheng, J.T. Liu, L.Q. Ma, Y.J. Cao, J.H. Li, G. Huang, *Study on energy Consumption in fine coal flotation*, *International Journal of Coal Preparation and Utilization* 34 (1) (2014) 38–48.

2014.197. W. Xia, G. Xie, *Changes in the hydrophobicity of anthracite coals before and after high temperature heating process*, *Powder Technology* 264 (2014) 31–35.

2014.198. W. Xia, J. Yang, *Changes in surface properties of anthracite coal before and after inside/outside weathering processes*, *Applied Surface Science* 313 (2014) 320–324.

2014.199. W. Zhang, X. Tang, *Flotation of lignite pretreated by sorbitan monooleate*, *Physicochemical Problems of Mineral Processing* 50 (2) (2014) 759–766.

108. Trumic M., Magdalinovic N.: New model of screening kinetics, *Minerals Engineering*, Vol 24, No 1, 2011, pp. 42–49.

2014.200. Yekeler, M., Çiftçi, M., Ulusoy, U., Özkan, A. *Correlation of the particle size distribution parameters with sieving rate constant*, *Particulate Science and Technology*, 32 (2) (2014) pp. 118–122.

2014.201. KruggelEmden, H., Elskamp, F. *Modeling of screening processes with the discrete element method involving nonspherical particles* (2014) *Chemical Engineering and Technology*, 37 (5), pp. 847–856.

109. Magdalinović N., Trumić Ž. M., Trumić M., Andrić Lj.: The Optimal Ball Diameter in a Mill, *Physicochemical Problems of Mineral Processing*, Vol 48, No 2, 2012, pp.5–15.

2014.202. Wang, Y.-L., Liu, Z.-X., Wang, X.-L., Gui, W.-H., *Prediction method of the law of steel ball wear in ball mill based on differential evolution*, *Huadong Ligong Daxue Xuebao/Journal of East China University of Science and Technology*, 40 (3) (2014) pp. 349–356.

110. Trumić M., Magdalinović N., Trumić G.: The model for optimal charge in the ball mill, *Journal of Mining and Metallurgy*, vol. 43A, br. 1, 2007, pp. 19-31. (YU ISSN 1450-5959)

2014.203. Wong, Y.W., Woon, H.S., Tan, C.Y., Purification and conversion of Malaysian iron ores into industrial grade iron oxide colour pigment, Materials Research Innovations, 18 (2014) pp. S6-159-S6-163.

111. Z. Stirbanovic, Z. Markovic, The Effect of Copper Bearing Particles Liberation on Copper Recovery from Smelter Slag by Flotation, *Separation Science and Technology*, Vol. 46 (16), 2011, pp. 2496-2500.

2014.204. Rodoljub Stanojlovic, Jovica Sokolovic, A Study of the Optimal Model of the Flotation Kinetics of Copper Slag from Copper Mine Bor, Archives of Mining Sciences, Vol. 59 (3), 2014, ISSN: 0860-7001, pp. 821-834.

112. Z. Stirbanovic, I. Miljanovic, Z. Markovic, Application of rough set theory for choosing optimal location for flotation tailings dump, *Archives of Mining Sciences*, Vol. 58 (3), 2013, ISSN: 0860-7001, pp. 893-900.

2014.205. Maciej Zajaczkowski, Zbigniew Kasztelewicz, Mateusz Sikora, Method for Location of An External Dump in Surface Mining Using the A-Star Algorithm, Archives of Mining Sciences, Vol. 59 (3), 2014, ISSN: 0860-7001, pp. 721-730.

113. Despotovic, V., Goertz, N., Peric, Z. Nonlinear long-term prediction of speech based on truncated Volterra series (2012) *IEEE Transactions on Audio, Speech and Language Processing*, 20 (3), pp. 1069-1073.

2014.206. Zhang, J., Pang, Y. Pipelined robust M-estimate adaptive second-order Volterra filter against impulsive noise (2014) Digital Signal Processing: A Review Journal, 26 (1), pp. 71-80.

2014.207. Yin, L.-S., He, Y.-G., Dong, X.-P., Lu, Z.-Q. Research on the multi-stepprediction of volterra neural network for traffic flow (2014), ZidonghuaXuebao/Acta Automatica Sinica, 40 (9), pp. 2066-2072.

2014.208. Cai, Peng; Tao, Chao; Liu, Xiao-Jun, Optimization of global model composed of radial basis functions using the term-ranking approach (2014), Chaos, 24 (1), Article No. 013139

114. D. Tanikić, M. Manić, G. Devedžić, Z. Stević, Modelling Metal cutting Parameters Using Intelligent Techniques, *Journal of Mechanical Engineering* 56(2010)1, 52-62

2014.209. Madić, M., Radovanović, M., Trajanović, M., Manić, M., Analysis of correlations of multiple-performance characteristics for optimization of CO2 laser nitrogen cutting of AISI 304 stainless steel (2014) Journal of Engineering Science and Technology Review, 7 (2), pp. 16-21.

2014.210. Kovac, P., Rodic, D., Pucovsky, V., Savkovic, B., Gostimirovic, M., Multi-output fuzzy inference system for modeling cutting temperature and tool life in face milling (2014) Journal of Mechanical Science and Technology, 28 (10), pp. 4247-4256.

115. Z. Stević , Z. Andjelković, D. Antić, A New PC and LabVIEW Package Based System for Electrochemical Investigations, *Sensors* 8 (2008) 1819-1831
2014.211. Ivanov, S.L., Rajčić-Vujasinović, M.M., Petrović, J.L., Grekulović, V.J., Mladenović, S.A., *Electrochemical investigation of cold worked copper in alkaline solution with the presence of potassium ethylxanthate*, (2014) *Hemijska Industrija*, 68 (3), pp. 279-288.
116. M. Antonijević, M. Dimitrijevic, Z. Stevanovic, S. Serbula, G. Bogdanović, Investigation of the possibility of copper recovery from the flotation tailings by acid leaching, *Journal of Hazardous Materials*, 158 (2008) 23-34
2014.212. Pan, H. , Zhou, G., Cheng, Z., Yang, R., He, L., Zeng, D., Sun, B., *Advances in geochemical survey of mine tailings project in China*, *Journal of Geochemical Exploration*, 139 (2014) 193-200
2014.213. Stanojlović, R.D., Sokolović, J.M., Milosević, N., *Integrated environmental protection and waste minimization in the area of Copper Mine Bor, Serbia*, *Environmental Engineering and Management Journal* 13 (4) (2014) 791-804
2014. 214. Song, C., Gao, L.-K., Dai, H.-X., Qi, P., *Flotation and leaching process of a copper oxide ore from Turkey*, *Guocheng Gongcheng Xuebao/The Chinese Journal of Process Engineering*, 14 (4) (2014) 580-586
2014. 215. Chen, T., Lei, C., Yan, B., Xiao, X., *Metal recovery from the copper sulfide tailing with leaching and fractional precipitation technology*, *Hydrometallurgy*, 147-148 (2014) 178-182
117. M.M. Antonijević, M.D. Dimitrijević, S.M. Šerbula, V.Lj.Dimitrijević, G.D.Bogdanović, S.M.Milić, Influence of inorganic anions on electrochemical behaviour of pyrite, *Electrochimica Acta*, 50 (2005) 4160-4167
2014.216. Lin, S., Liu, Q., Li, H., *Electrochemical behavior of pyrite in acidic solution with different concentrations of NaCl*, *Chinese Journal of Geochemistry*, 33 (4) (2014) 374-381
118. M.M. Antonijević, S.M. Milić, S.M. Šerbula, G.D. Bogdanović, The influence of chloride ions and benzotriazole on the corrosion behavior of Cu37Zn brass in alkaline medium, *Electrochimica Acta*, 50 (2005) 3693-3701
2014.217. Bond, J.W., Lieu, E., *Electrochemical behaviour of brass in chloride solution concentrations found in eccrine fingerprint sweat*, *Applied Surface Science*, 313(2014) 455-461
119. M. M. Antonijevic, G. D. Bogdanović, M. B. Radovanovic, M. B. Petrovic, A. T. Stamenkovic, Influence of pH and chloride ions on electrochemical behavior of brass in alkaline solution, *International Journal of Electrochemical Science* (ISSN 1452-3981), 4(5) (2009) 654-661.
2014.218. Kazansky, L. P.; Pronin, Y. E.; Arkhipushkin, I. A. *XPS study of adsorption of 2-mercaptobenzothiazole on a brass surface*, *Corrosion science* 89 (2014) 21-29.
2014.219. Bond, J. W.; Lieu, E.; *Electrochemical behaviour of brass in chloride solution concentrations found in eccrine fingerprint sweat*, *Applied surface science* 313 (2014) 455-461.

2014.220. Simonovic, A. T.; Petrovic, M. B.; Radovanovic, M. B.; et al. Inhibition of copper corrosion in acidic sulphate media by eco-friendly amino acid compound, *Chemical papers* 68 (3) (2014) 362-371.

120. Stevanovic Z., Antonijevic M., Bogdanovic G., Bugarin M., Trujic V., Markovic R., Nedeljkovic D., The effect of oxidants through a tailing dump depth and the leaching of copper, *Carpathian Journal of Earth and Environmental Sciences* 8 (1) (2013) 29-38

2014.221. Stumbea D., Pavel E., *Geochemistry of waste from the tailings pond of Pârâul Cailor, Fundu Moldovei metallogenic field, Romania*, *Carpathian Journal of Earth and Environmental Sciences* 9 (4) (2014) 157-166

121. Antonijević, M.M, Bogdanović, G.D., Investigation of the leaching of chalcopryritic ore in acidic solutions, *Hydrometallurgy* 73 (3-4) (2004) 245-256

2014.222. Liang, C.-L., Xia, J.-L., Nie, Z.-Y., Yu, S.-J., Xu, B.-Q., *Effect of initial pH on chalcopryrite oxidation dissolution in the presence of extreme thermophile Acidianus manzaensis*, *Transactions of Nonferrous Metals Society of China* 24 (6) (2014) 1890-1897

122. Simić, Z., Stanić, Z.D., Antonijević, M., Application of pyrite and chalcopryrite electrodes for the acid-base determinations in nitriles, *Journal of the Brazilian Chemical Society* 22 (4) (2011) 709-717

2014.223. Niu, Y., Sun, F., Xu, Y., Cong, Z., Wang, E., *Applications of electrochemical techniques in mineral analysis*, *Talanta* 127 (2014) 211-218

123. Gupta V.K., Jain, R., Antonijevic M.M., Khani H., Siddiqui M.N., Dwivedi A.c, 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* 6 (1) (2011) 37-51

2014.224. Mittal, A., Thakur, V., Mittal, J., Vardhan, H., *Process development for the removal of hazardous anionic azo dye Congo red from wastewater by using hen feather as potential adsorbent*, *Desalination and Water Treatment* 52 (1-3) (2014) 227-237

2014.225. Ghoneim, M.M., Abdel-Azzem, M.K., El-Desoky, H.S., Ghoneim, A.M., Khattab, A.E., *Electrochemical reduction and stripping voltammetric determination of the anti-glaucoma drug levobunolol HCl in formulation and human serum at the mercury electrode*, *Journal of the Brazilian Chemical Society* 25 (8) (2014) 1407-1418

2014.226. Goornavar, V., Jeffers, R., Biradar, S., Ramesh, G.T., *Utilization of highly purified single wall carbon nanotubes dispersed in polymer thin films for an improved performance of an electrochemical glucose sensor*, *Materials Science and Engineering C* 40 (2014) 299-307

2014.227. Baghayeri, M., Maleki, B., Zarghani, R., *Voltammetric behavior of tiopronin on carbon paste electrode modified with nanocrystalline Fe₅₀Ni₅₀ alloys*, *Materials Science and Engineering C* 44 (2014) 175-182

124. Stevanović, Z., Antonijević, M., Jonović, R., Avramović, L., Marković, R., Bugarin, M., Trujić, V., Leach-SX-EW copper revalorization from overburden of abandoned copper mine Cerovo, Eastern Serbia, *Journal of Mining and Metallurgy, Section B: Metallurgy* 45 (1) (2009) 45-57

2014. 228. *Stanojlović, R.D., Sokolović, J.M., Milosević, N., Integrated environmental protection and waste minimization in the area of Copper Mine Bor, Serbia, Environmental Engineering and Management Journal 13 (4) (2014) 791-804*
2014. 229. *Yousefi, F., Karami, C., The synthesis of CuO nanoparticles and investigating its effect at different temperature, Advances in Environmental Biology 8 (6 SPEC. ISSUE 2) (2014) 2113-2116*
- 2014.230. *Dong, H.S., Yang, J., The leaching of copper oxide ore in ammonium chloride solution, Applied Mechanics and Materials 675-677 (2014) 1459-1462*
125. *Antonijević, M.M., Marić, M., Determination of the content of heavy metals in pyrite contaminated soil and plants, Sensors 8 (9) (2008) 5857-5865*
- 2014.231. *Alagić, S., Tošić, S., Pavlović, A., Nickel content in deciduous trees near copper mining and smelting complex bor (East Serbia), Carpathian Journal of Earth and Environmental Sciences 9 (4) (2014) 191-199*
126. *Mihajlović, R., Stanić, Z., Antonijević, M., Natural monocrystalline pyrite, chalcopyrite and galena as electrochemical sensors for potentiometric redox titrations in acetonitrile, Electrochimica Acta 51 (18) (2006) 3707-3713*
- 2014.232. *Ramadan, A.A., Mandil, H., Anadani, L., Biamperometric titration of lead (II) by iodide in acetone, International Journal of Pharmacy and Pharmaceutical Sciences 6 (5) (2014) 203-207*
127. *Z.A. Avramovic and M.M. Antonijevic, Corrosion of cold-deformed brass in acid sulphate solution, Corrosion Science 46 (11) (2004) 2793-2802*
- 2014.233. *Kuznetsov, V., Maljusch, A., Souto, R.M., Bandarenka, A.S., Schuhmann, W., Characterisation of localised corrosion processes using scanning electrochemical impedance microscopy, Electrochemistry Communications 44 (2014) 38-41*
128. *Gupta, V.K., Chauhan, D.K., Saini, V.K., (...), Antonijevic, M.M., Lang, H. A porphyrin based potentiometric sensor for Zn²⁺ determination Sensors 3 (2003) 223*
- 2014.234. *Wardak, C. Solid contact Zn²⁺ -selective electrode with low detection limit and stable and reversible potential ,Central European Journal of Chemistry 12 (2014) 354*
- 2014.235. *Bajju, G.D., Kundan, S., Bhagat, M., (...), Kapahi, A., Devi, G. Synthesis and spectroscopic and biological activities of Zn(II) porphyrin with oxygen donors Bioinorganic Chemistry and Applications (2014) 782762*
- 2014.236. *Tataeva, S.D., Ramazanov, A.Sh., Magomedov, K.E., Bakhmudova, A.G. A membrane electrode reversible to zinc ions based on a polymer chelating adsorbent Journal of Analytical Chemistry 69 (2014) 45*
- 2014.237. *Isa, I.M., Noor, S.M., Juahir, Y., (...), Ghani, S.A., Wardani, N.I. Zinc(II) selective electrode based on polymeric membrane of 2,6-diacetylpyridinebis(benzenesulfonylhydrazide) Ligand International Journal of Electrochemical Science 9 (2014) 4512*
129. *M.M. Antonijevic and M. Petrovic, Copper corrosion inhibitors. A review, International Journal of Electrochemical Science, 3 (2008) 1-28*
- 2014.238. *K. Barouni, A. Kassale, A. Albourine, O. Jbara, B. Hammouti, L. Bazzi, Amino acids as corrosion inhibitors for copper in nitric acid medium: Experimental and theoretical study, J. Mater. Environ. Sci. 5 (2) (2014) 456-463*

- 2014.239. Mallakpour, Shadpour; Zadehnazari, Amin, Thermal and mechanical stabilities of composite films from thiadiazol bearing poly(amide-thioester-imide) and multiwall carbon nanotubes by solution compounding, *Polymer Bulletin*, 71 (1) (2014) 207-225
- 2014.240. S. Mallakpour, A. Zadehnazari, Chiral Poly(amide-thioester-imide)s Having Thiadiazol Group: Microwave-Assisted Synthesis and Study of Thermo-Optical Behavior, *Chemical Engineering Communications*, 201 (5) (2014) 635-649
- 2014.241. G. Zerjav, I. Milosev, Carboxylic Acids as Corrosion Inhibitors for Cu, Zn and Brasses in Simulated Urban Rain, *International Journal of Electrochemical Science*, 9 (5) (2014) 2696-2715
- 2014.242. D. Gelman, D. Starovetsky, Y. Ein-Eli, Copper corrosion mitigation by binary inhibitor compositions of potassium sorbate and benzotriazole, *Corrosion Science*, 82 (2014) 271-279
- 2014.243. S.M. Tichapondwa, W.W. Focke, O. Del Fabbro, R.W. Sandenbergh, E. Muller, Suppressing Hydrogen Evolution by Aqueous Silicon Powder Dispersions through the Introduction of an Additional Cathodic Reaction, *Chemical Engineering Communications*, 201 (4) (2014) 501-515
- 2014.244. L. Jiang, Y.Q. Lan, Y.Y. He, Y. Li, Y.Z. Li, J.B. Luo, 1,2,4-Triazole as a corrosion inhibitor in copper chemical mechanical polishing, *Thin Solid Films* 556 (2014) 395–404
- 2014.245. Y.I. Kuznetsov, M.O. Agafonkina, N.P. Andreeva, Inhibition of copper dissolution in water solutions of triazoles, *Russian Journal of Physical Chemistry A*, 88 (4) (2014) 702-707
- 2014.246. M. Bozorg, T.S. Farahani, J. Neshati, Z. Chaghazardi, G.M. Ziarani, *Industrial & Engineering Chemistry Research*, 53 (11) (2014) 4295-4303
- 2014.247. Yoshida, Shinya; Esashi, Masayoshi; Tanaka, Shuji, Development of UV-assisted ozone steam etching and investigation of its usability for SU-8 removal, *Journal of Micromechanics and Microengineering*, 24 (3) Article Number: 035007 Published: MAR 2014
- 2014.248. Y.S. Kim, S.H. Lee, M.Y. Son, Y.M. Jung, H.K. Song, H. Lee, Succinonitrile as a Corrosion Inhibitor of Copper Current Collectors for Overdischarge Protection of Lithium Ion Batteries, *ACS Applied Materials & Interfaces*, 6 (3) (2014) 2039-2043
- 2014.249. Peljhan, Sebastijan; Koller, Joze; Kokalj, Anton, The Effect of Surface Geometry of Copper on Adsorption of Benzotriazole and Cl. Part I, *Journal of Physical Chemistry C*, 118 (2) (2014) 933-943
- 2014.250. Kokalj, Anton; Peljhan, Sebastijan; Koller, Joze, The Effect of Surface Geometry of Copper on Dehydrogenation of Benzotriazole. Part II, *Journal of Physical Chemistry C*, 118 (2) (2014) 944-954
- 2014.251. Shin, K.Y.; Lee, J.S.; Hong, J.Y.; Jang, J., One-step fabrication of a highly conductive and durable copper paste and its flexible dipole tag-antenna application, *Chemical Communications*, 50 (23) (2014) 3093-3096
- 2014.252. Zhong, MJ; Venkataraman, SS; Lan, YQ; Li, YZ; Shipp, DA, Role of 1,2,4-Triazole as a Passivating Agent for Cobalt during Post-Chemical Mechanical Planarization Cleaning, *Journal of the Electrochemical Society*, 161 (3) (2014) C138-C144
- 2014.253. Kosari, A; Moayed, MH; Davoodi, A; Parvizi, R; Momeni, M; Eshghi, H; Moradi, H, Electrochemical and quantum chemical assessment of two organic compounds from pyridine derivatives as corrosion inhibitors for mild steel in HCl solution under stagnant condition and hydrodynamic flow, *Corrosion Science*, 78 (2014) 138-150

- 2014.254. Sagi, K.V.; Amanapu, H.P.; Teugels, L.G.; Babu, S.V., Investigation of Guanidine Carbonate-Based Slurries for Chemical Mechanical Polishing of Ru/TiN Barrier Films with Minimal Corrosion, *ECS Journal of Solid State Science and Technology*, 3 (7) (2014) P227-P234
- 2014.255. Shumakovich, G.P.; Otrokhov, G.V.; Khlupova, M.E.; Vasil'eva, I.S.; Zaitseva, E.A.; Morozova, O.V.; Yaropolov, A.I., Laccase-catalyzed synthesis of aniline oligomers and their application for the protection of copper against corrosion, *RSC Advances*, 4 (57) (2014) 30193-30196
- 2014.256. Guo, Lei; Dong, Weipeng; Zhang, Shengtao, Theoretical challenges in understanding the inhibition mechanism of copper corrosion in acid media in the presence of three triazole derivatives, *RSC Advances*, 4 (79) (2014) 41956-41967
- 2014.257. Dai, C.A.; Liu, N.; Cao, Y.Z.; Chen, Y.N.; Lu, F.; Feng, L., Fast formation of superhydrophobic octadecylphosphonic acid (ODPA) coating for self-cleaning and oil/water separation, *Soft Matter*, 10 (40) (2014) 8116-8121
- 2014.258. Peca, Dunja; Pihlar, Boris; Milosev, Ingrid, Protection of Copper Surface With Phytic Acid Against Corrosion in Chloride Solution, *Acta Chimica Slovenica*, 61 (3) (2014) 457-467
- 2014.259. Ivanov, S.Lj.; Rajcic-Vujasinovic, M.M.; Petrovic, J.L.; Grekulovic, V.J.; Mladenovic, S.A., Electrochemical investigation of cold worked copper in alkaline solution with the presence of potassium ethylxanthate, *Hemijska Industrija*, 68 (3) (2014) 279-288
- 2014.260. Liu, Haining; Bara, Jason E.; Turner, C. Heath, Tuning the Adsorption Interactions of Imidazole Derivatives with Specific Metal Cations, *Journal of Physical Chemistry A*, 118 (22) (2014) 3944-3951
- 2014.261. Tansuğ, G., Tüken, T., Giray, E.S., Findikkiran, G., Siğircik, G., Demirkol, O., Erbil, M., A new corrosion inhibitor for copper protection, *Corrosion Science*, 84 (2014) 21-29
- 2014.262. Nezamzadeh-Ejhieh, Alireza; Zabihi-Mobarakeh, Hamidreza, Heterogeneous photodecolorization of mixture of methylene blue and bromophenol blue using CuO-nano-clinoptilolite, *Journal of Industrial and Engineering Chemistry*, 20 (4) (2014) 1421-1431
- 2014.263. Ramya, K.; Mohan, Revathi; Joseph, Abraham, Interaction of Benimidazoles and Benzotriazole: Its Corrosion Protection Properties on Mild Steel in Hydrochloric Acid, *Journal of Materials Engineering and Performance*, 23 (11) (2014) 4089-4101
- 2014.264. Kazansky, L.P.; Pronin, Y.E.; Arkhipushkin, I.A., XPS study of adsorption of 2-mercaptobenzothiazole on a brass surface, *Corrosion Science*, 89 (2014) 21-29
- 2014.265. Chen, Ruxi; Guo, Lei; Xu, Shenying, Experimental and Theoretical Investigation of 1-hydroxybenzotriazole as a Corrosion Inhibitor for Mild Steel in Sulfuric Acid Medium, *International Journal of Electrochemical Science*, 9 (12) (2014) 6880-6895
- 2014.266. Luo, Xiaofang; Zhang, Shengtao; Guo, Lei, Investigation of a Pharmaceutically Active Compound Omeprazole as Inhibitor for Corrosion of Mild Steel in H₂SO₄ Solution, *International Journal of Electrochemical Science*, 9 (12) (2014) 7309-7324
- 2014.267. Li, Y.X.; Zhang, Y.Y.; Jungwirth, S.; Seely, N.; Fang, Y.D.; Shi, X.M., Corrosion inhibitors for metals in maintenance equipment: introduction and recent developments, *Corrosion Reviews*, 32 (5-6) (2014) 163-181

- 2014.268. Hashim, N.Z.N., Kassim, K., The effect of temperature on mild steel corrosion in 1 M HCL by Schiff bases, *Malaysian Journal of Analytical Sciences*, 18 (1) (2014) 28-36
- 2014.269. Wang, L., Yin, X., Wang, W.Y., Jin, L., Li, Z.F., N-benzylidene-4-dodecylaniline: A new schiff base corrosion inhibitor for copper, *International Journal of Electrochemical Science*, 9 (11) (2014) 6088-6102
- 2014.270. Attar, T., Larabi, L., Harek, Y., Corrosion inhibition of cold rolled steel in 0.5M H₂SO₄ by potassium iodid, *Der Pharma Chemica*, 6 (4) (2014) 181-186
- 2014.271. Gould, B.D., Garsany, Y., Swider-Lyons, K.E., Deactivation and recovery of Pt/C with commercial glycol-based coolants in rotating disk electrodes and membrane electrode assemblies, *ECS Transactions*, 64 (3) (2014) 793-804

130. M.M Antonijević, S.M.Milić, M.B. Petrović, Films formed on copper surface in chloride media in the presence of azoles, *Corrosion Science*, 51 (6) (2009) 1228-1237

- 2014.272. Kazansky, L.P.; Pronin, Y.E.; Arkhipushkin, I.A., XPS study of adsorption of 2-mercaptobenzothiazole on a brass surface, *Corrosion Science*, 89 (2014) 21-29
- 2014.273. Bond, J.W.; Lieu, E., Electrochemical behaviour of brass in chloride solution concentrations found in eccrine fingerprint sweat, *Applied Surface Science*, 313 (2014) 455-461
- 2014.274. Maria Serdechnova, Vladimir L. Ivanov, M. Rosario M. Domingues, Dmitry V. Evtuguin, Mario G. S. Ferreira, Mikhail L. Zheludkevich, Photodegradation of 2-mercaptobenzothiazole and 1,2,3-benzotriazole corrosion inhibitors in aqueous solutions and organic solvents, *Phys. Chem. Chem. Phys.*, 16 (2014) 25152-25160
- 2014.275. Liang Jiang, Yongqing Lan, Yongyong He, Yan Li, Yuzhuo Li, Jianbin Luo, 1,2,4-Triazole as a corrosion inhibitor in copper chemical mechanical polishing, *Thin Solid Films*, 556 (2014) 395-404
- 2014.276. Li, C., Li, L., Wang, C., Zhu, Y., Zhang, W., Study of the protection performance of self-assembled monolayers on copper with the scanning electrochemical microscope, *Corrosion Science*, 80 (2014) 511-516
- 2014.277. Chen, W., Hong, S., Luo, H.Q., Li, N.B., Inhibition effect of 2,4,6-trimercapto-1,3,5-triazine self-assembled monolayers on copper corrosion in NaCl solution, *Journal of Materials Engineering and Performance*, 23 (2) (2014) 527-537
- 2014.278. Zor, S., Sulfathiazole as potential corrosion inhibitor for copper in 0.1 M NaCl, *Protection of Metals and Physical Chemistry of Surfaces*, 50 (4) (2014) 530-537
- 2014.279. Tansuğ, G., Tüken, T., Giray, E.S., Findikkiran, G., Siğircik, G., Demirkol, O., Erbil, M., A new corrosion inhibitor for copper protection, *Corrosion Science*, 84 (2014) 21-29
- 2014.280. Kuznetsov, Y.I., Agafonkina, M.O., Andreeva, N.P., Inhibition of copper dissolution in water solutions of triazoles, *Russian Journal of Physical Chemistry A*, 88 (4) (2014) 702-707
- 2014.281. Cao, K., Sun, H., Zhao, X., Hou, B., Investigation of novel gemini surfactant with long chain alkyl ammonium headgroups as corrosion inhibitor for copper in 3.5% NaCl, *International Journal of Electrochemical Science*, 9 (12) (2014) 8106-8119
- 2014.282. Al Maofari, A., Ezznaydy, G., Idouli, Y., Guédira, F., Zaydoun, S., Labjar, N., El Hajjaji, S., Inhibitive action of 3,4'-bi-1,2,4-Triazole on the corrosion of copper in NaCl 3% solution, *Journal of Materials and Environmental Science*, 5 (2014) 2081-2085

2014.283. Potkonjak, N.I., Nikolić, Z., Anić, S.R., Minić, D.M., *Electrochemical oscillations during copper electrodisolution/passivation in trifluoroacetic acid induced by current interrupt method*, *Corrosion Science*, 83 (2014) 355-358

2014.284. Finšgar, M., Kek Merl, D., *An electrochemical, long-term immersion, and XPS study of 2-mercaptobenzothiazole as a copper corrosion inhibitor in chloride solution*, *Corrosion Science*, 83 (2014) 164-175

131. Antonijević, M.M., Alagić, S.Č., Petrović, M.B., Radovanović, M.B., Stamenković, A.T., *The influence of pH on electrochemical behavior of copper in presence of chloride ions*, *International Journal of Electrochemical Science*, 4 (4) (2009) 516-524

2014.285. Gao, G.F.; Yuan, B.Y.; Wang, C.; Li, L.; Chen, S.H., *The Anodic Dissolution Processes of Copper in Sodium Fluoride Solution*, *International Journal of Electrochemical Science*, 9 (5) (2014) 2565-2574

2014.286. Nikfahm, A., Danaee, I., Ashrafi, A., Toroghinejad, M.R., *Investigating the corrosion behavior of Nano structured copper strip produced by accumulative roll bonding (ARB) process in acidic chloride environment*, *Iranian Journal of Materials Science and Engineering*, 11 (2) (2014) 25-36

132. M. M. Antonijević, S. M. Milić, M. D. Dimitrijević, M. B. Petrović, M. B. Radovanović and A. T. Stamenković, *The influence of pH and chlorides on electrochemical behavior of copper in the presence of benzotriazole*, *International Journal of Electrochemical Science*, 4 (7) (2009) 962-979

2014.287. Manivannan, R.; Cho, B.J.; Xiong, H.L.; Ramanathan, S.; Park, J.G., *Characterization of non-amine-based post-copper chemical mechanical planarization cleaning solution*, *Microelectronic Engineering*, 112 (2014) 33-39

133. Radovanović, M.B., Simonović, A.T., Petrović, M.B., Milić, S.M., Antonijević, M.M., *Influence of purine on brass behavior in neutral and alkaline sulphate solutions*, *International Journal of Electrochemical Science*, Volume 7, Issue 12, 2012, Pages 11796-11810

2014.288. Bozorg, M., Shahrabi Farahani, T., Neshati, J., Chaghazardi, Z., Mohammadi Ziarani, G., *Myrtus communis as green inhibitor of copper corrosion in sulfuric acid*, *Industrial and Engineering Chemistry Research* 53 (11) (2014) 4295-4303

134. Antonijević, M.M, Bogdanović, G.D., *Investigation of the leaching of chalcopyritic ore in acidic solutions*, *Hydrometallurgy* 73 (3-4) (2004) 245-256

2014.289. Liang, C.-L., Xia, J.-L., Nie, Z.-Y., Yu, S.-J., Xu, B.-Q., *Effect of initial pH on chalcopyrite oxidation dissolution in the presence of extreme thermophile Acidianus manzaensis*, *Transactions of Nonferrous Metals Society of China* 24 (6) (2014) 1890-1897

135. Milic S. M., Antonijevic M. M., *Some aspects of copper corrosion in presence of benzotriazole and chloride ions*, *Corrosion Science*, 51 (1) (2009) 28-34

2014.290. G. Tansuğ, T. Tüken, E.S. Giray, G. Fındıkkıran, G. Sığircık, O. Demirkol, M. Erbil, *A new corrosion inhibitor for copper protection*, *Corrosion Science* 84 (2014) 21-29

- 2014.291. Honesty, N.R., Kardaş, G., Gewirth, A.A., *Investigating Rhodanine film formation on roughened Cu surfaces with electrochemical impedance spectroscopy and surface-enhanced Raman scattering spectroscopy*, *Corrosion Science* 83 (2014) 59-66
- 2014.292. Kuznetsov, Y.I., Andreeva, N.P., Agafonkina, M.O., *Adsorption and protecting properties of 1,2,3-benzotriazole on MNZh 5-1 alloy in neutral solutions*, *Russian Journal of Electrochemistry* 50 (10) (2014) 989-993
- 2014.293. Liu, H., Chen, B., Liu, H., Wu, Y., Qin, S., *Influence of static magnetic field on microbiologically induced corrosion of Cu-Zn alloy in SRB culture medium*, *ECS Transactions* 59 (1) (2014) 439-448
- 2014.294. Li, J., Lu, X.C., Zhang, Z.B., *Inhibition mechanism of benzotriazole in copper chemical mechanical planarization*, *Applied Mechanics and Materials* 607 (2014) 74-78
- 2014.295 Sultan, A.A., Ateeq, A.A., Khaled, N.I., Taher, M.K., Khalaf, M.N., *Study of some natural products as eco - friendly corrosion inhibitor for mild steel in 1.0 M HCl solution*, *Journal of Materials and Environmental Science* 5 (2) (2014) 498-503
- 2014.296. Miao, Y., Wang, S., Wang, C., Sun, M., Chen, Y., *Effect of chelating agent on benzotriazole removal during post copper chemical mechanical polishing cleaning*, *Microelectronic Engineering* 130 (2014) 18-23
- 2014.297. Luan, X., Liu, Y., Wang, C., Liu, G., *Stability of weakly alkaline barrier slurry with the high selectivity*, *Microelectronic Engineering* 130 (2014) 28-34

136. Antonijević, M.M., Pacović, N.V., *Investigation of molybdenite oxidation by sodium dichromate*, *Minerals Engineering* 5 (2) (1992) 223-233

- 2014.298. Chen J.-H., Long X.-H., Lan L.-H., He Q., *Thermodynamics and density functional theory study of potassium dichromate interaction with galena*, *International Journal of Minerals, Metallurgy and Materials* 21 (10) (2014) 947-954

137. Antonijević, M.M., Dimitrijević, M., Janković, Z., *Investigation of pyrite oxidation by potassium dichromate*, *Hydrometallurgy* 32 (1) (1993) 61-72

- 2014.299. Nóbrega, G.N., Ferreira, T.O., Artur, A.G., de Mendonça, E.S., de O. Leão, R.A., Teixeira, A.S., Otero, X.L., *Evaluation of methods for quantifying organic carbon in mangrove soils from semi-arid region*, *Journal of Soils and Sediments* 15 (2) (2014) 282-291

138. Antonijević, M.M., Janković, Z., Dimitrijević, M., *Investigation of the kinetics of chalcopryite oxidation by potassium dichromate*, *Hydrometallurgy* 35 (2) (2014) 187-201

- 2014.300. Qian, G., Li, J., Li, Y., Gerson, A.R., *Probing the effect of aqueous impurities on the leaching of chalcopryite under controlled conditions*, *Hydrometallurgy* 149 (2014) 195-209
- 2014.301. Agacayak, T., Aras, A., Aydogan, S., Erdemoglu, M., *Leaching of chalcopryite concentrate in hydrogen peroxide solution*, *Physicochemical Problems of Mineral Processing* 50 (2) (2014) 657-666
- 2014.302. Chen, J.-H., Long, X.-H., Lan, L.-H., He, Q., *Thermodynamics and density functional theory study of potassium dichromate interaction with galena*, *Source of the Document International Journal of Minerals, Metallurgy and Materials* 21 (10) (2014) 947-954

139. Dimitrijevic, M., Antonijevic, M.M., Jankovic, Z., *Kinetics of pyrite dissolution by hydrogen peroxide in perchloric acid*, *Hydrometallurgy* 42 (3) (1996) 377-386

2014.303. Solís-Marcial, O.J., Lapidus, G.T., *Chalcopyrite leaching in alcoholic acid media, Hydrometallurgy* 147-148 (2014) 54-58

140. Antonijević, M.M., Dimitrijević, M., Janković, Z., Leaching of pyrite with hydrogen peroxide in sulphuric acid, *Hydrometallurgy* 46 (1-2) (1997) 71-83

2014.304. Kim, S., Lee, J.-C., Lee, K.-S., Yoo, K., Alorro, R.D., *Separation of tin, silver and copper from waste Pb-free solder using hydrochloric acid leaching with hydrogen peroxide, Materials Transactions* 55 (12) (2014) 1885-1889

2014.305. Tang, W., Chen, X., Zhou, T., Chen, Y., Wang, J., *Recovery of Ti and Li from spent lithium titanate cathodes by a hydrometallurgical process, Hydrometallurgy* 147-148 (2014) 210-216

2014.306. Agacayak, T., Aras, A., Aydogan, S., Erdemoglu, M., *Leaching of chalcopyrite concentrate in hydrogen peroxide solution, Physicochemical Problems of Mineral Processing* 50 (2) (2014) 657-666

2014.307. Lin, S., Liu, Q., Li, H., *Electrochemical behavior of pyrite in acidic solution with different concentrations of NaCl, Chinese Journal of Geochemistry* 33 (4) (2014) 374-381

2014.308. Wu, D.D., Wen, S.M., Yang, J., Feng, Q.C., Mao, Y.B., *The dissolution of zinc oxide ore in sulfamic acid solution, Advanced Materials Research* 881-883 (2014) 1554-1557

2014.309. Pecina, E.T., Rendón, N., Dávalos, A., Carrillo, F.R., Martínez, D., *Evaluation of process parameters of coal Desulfurization in presence of H₂O₂ and complexing agents, International Journal of Coal Preparation and Utilization* 34 (2) (2014) 85-97

2014.310. Wu, D.D., Wen, S.M., Yang, J., Wang, Y.J., Lv, C., *A study on leaching of zinc oxide ore in ammonium sulfate solution, Applied Mechanics and Materials* 522-524 (2014) 1463-1466

2014.311. Ou, Z., Li, J., *Synergism of mechanical activation and sulfurization to recover copper from waste printed circuit boards, RSC Advances* 4 (94) (2014) 51970-51976

141. Antonijević, M.M., Milić, S.M., *Electrochemical behaviour of Cu₂₄Zn₅Al alloy in alkaline medium in the presence of chloride ions and benzotriazole, Materials Chemistry and Physics* 118 (2-3) (2009) 385-391

2014.312. Stevic Z., Rajcic-Vujasinovic M., Radovanovic I., *Comparative analysis of dynamic electrochemical test methods of supercapacitors, International Journal of Electrochemical Science*, 9 (12) (2014) 7110-7130

142. Simić, Z., Stanić, Z.D., Antonijević, M., *Application of pyrite and chalcopyrite electrodes for the acid-base determinations in nitriles, Journal of the Brazilian Chemical Society* 22 (4) (2011) 709-717

2014.313. Niu, Y., Sun, F., Xu, Y., Cong, Z., Wang, E., *Applications of electrochemical techniques in mineral analysis, Talanta* 127 (2014) 211-218

143. Avramovic, Z.A., Antonijevic, M.M., Petrovic, N.I., *Electrochemical behaviour of cold-deformed brass in the presence of corrosion inhibitors, Metalurgia International* 17 (1) (2012) 59-65

2014.314. Elmsellem, H., Aouniti, A., Khoutoul, M., Touzani, R., Elazzouzi, M., *Theoretical approach to the corrosion inhibition efficiency of some pyrimidine*

derivatives using DFT method of mild steel in HCl solution, Journal of Chemical and Pharmaceutical Research 6 (4) (2014) 1216-1224

144. Antonijević M.M., Dimitrijević M.D., Milić S.M., Nujkić 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* 14 (3) (2012) 866-877
2014.315.1. Jiao W., Ouyang W. , Hao F., Liu B., Wang F., *Geochemical variability of heavy metals in soil after land use conversions in Northeast China and its environmental applications, Environmental Sciences: Processes and Impacts*, 16 (4) (2014) 924-931
145. Maric M., Antonijevic M., Alagic S., The investigation of the possibility for using some wild and cultivated plants as hyperaccumulators of heavy metals from contaminated soil, *Environmental Science and Pollution Research* 20 (2) (2013) 1181-1188
2014.316. Xu, L., Zhou, J., Liang, J., Zhu, Z., Huang, L., *The remediation potential of pennisetum sp On Cu, Cd contaminated soil, Shengtai Xuebao/ Acta Ecologica Sinica* 34 (18) (2014) 5342-5348
2014.317. Zhao X., Liu J., Xia, X., Yin W., Jiang Z., *The evaluation of heavy metal accumulation and application of a comprehensive bio-concentration index for woody species on contaminated sites in Hunan, China, Environmental Science and Pollution Research* 21 (7) (2014) 5076-5085
2014.318. Bretzel F., Benvenuti S., Pistelli L., *Metal contamination in urban street sediment in Pisa (Italy) can affect the production of antioxidant metabolites in Taraxacum officinale Weber, Environmental Science and Pollution Research* 21 (3) (2014) 2325-2333

Prilog 3.

SPISAK DOMAĆIH PROJEKATA NA KOJIMA SU U PERIODU OD 2011-2014. 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 rukovodioci projekta sa TF Bor)

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

III projekti - 4 projekta

Red. broj	Naziv projekta	Istraživači sa TF Bor	Oblast	Broj projekta (pozicija projekta nakon početne evaluacije)	Institucija koordinator	Rukovodilac
1.	``Razvoj tehnologija flotacijske prerade ruda bakra i plemenitih metala radi postizanja boljih tehnoloških rezultata``	Zoran Marković, Zoran Štirbanović	TR	33023 (225/275)	Institut za rudarstvo i metalurgiju Bor	dr Dragan Milanović, naučni saradnik
2.	``Monitoring elektromagnetnih 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	dr Dušan Sokolović, docent
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	dr Goran Ristić, red. profesor
4.	``Magmatizam i geodinamika balkanskog poluostrva od mezozoika do danas: značaj za obrazovanje metaličnih i nemetalčnih rudnih ležišta``	Miodrag Banješević	OI	176016 (130/395)	Rudarsko-geološki fakultet u Beogradu	dr Vladica Cvetković, redovni profesor
5.	``Virtuelni koštano zglobovi sistem čoveka i njegova primena u predkliničkoj i kliničkoj praksi``	Dejan Tanikić, Dalibor Đenadić	III	41017 (69/110)	Mašinski fakultet u Nišu	dr Miroslav Trajanović, redovni profesor
6.	``Minerali Srbije: Sastav, geneza, primena i doprinos održavanju životne sredine``	Mira Cocić,	OI	176010 (387/395)	Rudarsko-geološki fakultet u Beogradu	dr Mihovil Logar, red. profesor

7.	``Nov pristup dizajniranju materijala za konverziju i skladištenje energije``	Mirjana Rajčić – Vujsinović, Zoran Stević, Vesna Grekulović,	OI	172060 (38/395)	Institut za hemiju, tehnologiju i metalurgiju u Beogradu	dr Amalija Tripković, naučni savetnik
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,	TR	37001 (105/275)	Institut za rudarstvo i metalurgiju Bor	dr Mile Bugarin, viši naučni savetnik
9.	``Razvoj i primena distribuiranog sistema nadzora i upravljanja potrošnjom električne energije kod velikih potrošača``	Darko Brodić, Vladimir Despotović	TR	33037 (163/275)	Institut za rudarstvo i metalurgiju Bor	dr Dragan Milivojević, naučni saradnik
10.	``Funkcionalna analiza, stohastička analiza i primene``	Ivana Đolović, I. Radojević	OI	174007 (146/395)	Prirodno matematički fakultet u Nišu	dr Dragan Đorđević, redovni profesor
11.	``Razvoj naprednih materijala i tehnologija za multifunkcionalnu primenu zasnovanih na ekološkom znanju``	Vladimir Despotović, Dejan Tanikić,	TR	34005 (128/275)	Institut za rudarstvo i metalurgiju Bor	dr Ana Kostov naučni savetnik
12.	``Razvoj tehnoloških procesa prerade nestandardnih koncentrata bakra u cilju optimizacije emisije zagađujućih materijala``	Nada Štrbac, Ivan Mihajlović, Milovan Vuković, Dejan Bogdanović, Aleksandra Mitovski, Milica Arsić, Đorđe Nikolić, Ivan Jovanović, Isidora Đurić	TR	34023 (50/275)	Tehnički fakultet u Boru	dr Nada Štrbac, redovni profesor
13.	``Razvoj novih i unapređenje postojećih tehnoloških postupaka proizvodnje tehničkih tekstilnih materijala``	Snežana Urošević	TR	34020 (188/275)	Tehnološki fakultet u Leskovcu	dr Miodrag Stamenković, prof.
14.	``Neki aspekti rastvaranja metala i prirodnih minerala``	Milan Antonijević, Snežana Milić, Grozanka Bogdanović, Mile Dimitrijević, Marija Petrović, Milan Radovanović,	OI	172031 (184/110)	Tehnički fakultet u Boru	dr Milan Antonijević, redovni profesor

		Ana Stamenković, Maja Trumić,				
15.	``Razvoj novih inkapsulacionih i enzimskih tehnologija za proizvodnju biokatalizatora i biološko aktivnih supstanci hrane u cilju povećanja njene konkurentnosti, kvaliteta i bezbednosti``	Snežana Šerbula, Nenad Vušović, Slađana Alagić, Snežana Urošević, Ana Ilić, Tanja Kalinović, Jelena Strojčić, Milan Gorgievski	III	46010 (13/110)	Tehnološko metalurški fakultet u Beogradu Tehnički fakultet u Boru	dr Branko Bugarski, red.prof.
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	dr Vladan Milošević, naučni saradnik
17.	``Savremeni višekomponentni metalni sistemi i nanostrukturni materijali sa različitim funkcionalnim svojstvima``	Dragana Živković, Živan Živković, Dragan Manasijević, Ljubiša Balanović	OI	172037 (4/395)	Tehnički fakultet u Boru	dr Dragana Živković, redovni profesor
18.	``Dinamika hibridnih sistema``	Jelena Đoković	OI	174001 (268/395)	Matematički institut SANU Beograd	dr Katica (Stevanović) Hedrih, naučni savetnik
19.	``Razvoj tehnologije proizvodnje Rd katalizatora-hvatača za smanjenje gubitaka platine u visoko temperaturnim procesima katalize``	Saša Marjanović	TR	34029 (274/275)	Institut za rudarstvo i metalurgiju Bor	dr Biserka Trumić, viši naučni saradnik
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	TR	34003 (192/275)	Tehnički fakultet u Boru	dr Svetlana Nestorović, redovni profesor

		Grekulović, Bata Marjanović				
21.	``Razvoj ekoloških i energetski efikasnijih tehnologija za proizvodnju obojenih i plemenitih metala kombinacijom bioluženja, solventne ekstrakcije i elektrolitičke rafinacije``	Svetlana Ivanov	TR	34004 (257/275)	Institut za rudarstvo i metalurgiju Bor Tehnički fakultet u Boru	dr Vladimir Cvetkovski, naučni saradnik
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 rudarstvo i metalurgiju Bor Tehnički fakultet u Boru	dr Milenko Ljubojev, naučni savetnik
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	dr Vladimir Rakočević, redovni profesor
24.	“Usavršavanje tehnologije eksploatacije 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 Šerbula, Miodrag Denić, Miodrag Banješević, Saša Stojadinović, Igor Svrkota, Jovica Sokolović, Dejan Petrović, Ana Radojević, Tanja Kalinović, Jelena Kalinović	TR	33038 (208/275)	Tehnički fakultet u Boru	dr Nenad Vušović, redovni profesor
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	dr Vojin Čokorilo, red. profesor
26.	„Održivost identiteta Srba i nacionalnih manjina u	Milovan Vuković,	OI	179013 (131/395)	Mašinski fakultet u	dr Dragoljub Đorđević,

	pograničnim opštinama Istočne i Jugoistočne Srbije „	Danijela Voza			Nišu Tehnički fakultet u Boru	red.prof.
27.	Razvoj tehnologije za reciklažu plemenitih, retkih i pratećih metala iz čvrstog otpada Srbije do visokokvalitetnih proizvoda	Milan Gorgievski	TR	34024	IRM Bor	dr Vlastimir Trujić

Prilog 4.

SPISAK MEĐUNARODNIH PROJEKATA NA KOJIMA SU 2014. GODINE UČESTVOVALI ISTRAŽIVAČI SA TEHNIČKOG FAKULTETA U BORU

1. COST MP0903 - „Nanoalloys as Advanced Materials: From Structure to Properties and Applications (NANOALLOY) 2011-2014.
2. 54622398 DAAD Academic Reconstruction South Eastern Europe programme: Resita Network - Innovation and Entrepreneurship, 2008-2014.
3. 37 511001-TEMPUS-1-2010-1 - Development of Environment and Resources Engineering Learning - DEREL, 2010-2014.
4. EU HETIP (High Education Teaching Infrastructure Project) – Обнова наставних зграда и набавка наставне и истраживачке опреме на Техничком факултету у Бору, 2010-2014.
5. Program bilateralne saradnje Srbije i Kine – Comparative thermodynamic investigation and characterization od advanced ecological shape memory alloys, 2013-2014.
6. Program bilateralne saradnje Srbije i Slovenije, Thermodynamic analysis and phase equilibria investigation in some low melting allozs in Zn-Al-Sn-Ga-In system, 2014-2015.
7. Razvojni program SVIJET Sveučilišta u Zagrebu: Razvoj novih legura s prisjetljivosti oblika – multilateralni projekat Metalurškog fakulteta u Sisku Sveučilišta u Zagrebu (Hrvatska), Tehničkog fakulteta u Boru Univerziteta u Beogradu (Srbija) i Fakulteta za metalurgiju i materijale Univerziteta u Zenici, 2011-2015.
8. JST SATREPS project: Research on the Integration System of Spatial Environment Analyses and Advanced Metal Recovery to Ensure Sustainable Resource Development, 2014-2019.
9. Project: Possibilities for development of business cluster network between SMEs from Visegrad countries and Serbia, funded by Visegrad fond, 2014.
10. Erasmus + KA1 projekat za razmenu studenata, nastavnika o administrativnog osoblja: ostvarena mobilnost - Doc.dr Natalija Dolić; sa Metalurškog fakulteta u Sisku, Sveučilišta u Zagrebu na TF Bor, oktobar 2014. god.

Prilog 5.

SARADNJA SA PRIVREDOM – TF BOR, 2014

Projekti, studije, elaborati

1. Projekat sanacije klizista u istocnom delu površinskog kopa "Severni revir" u Rudniku Bakra Majdanpek, R. Pantović, S. Stojadinović, Tehnički fakultet u Boru, Bor 2014.
2. Projekat monitoringa uticaja miniranja na površinskom kopu „Južni Revir“ na ljude i objekte u južnom delu grada Majdanpeka, R. Pantović, S. Stojadinović, Tehnički fakultet u Boru, Bor 2014.
3. Elaborat o „nultom“ stanju oštećenja objekata u zoni seizmičkog uticaja miniranja na severnom boku površinskog kopa Južni Revir, R. Pantović, S. Stojadinović, Tehnički fakultet u Boru, Bor 2014.

Tehničke kontrole projekata

1. Tehnička kontrola: „Godišnjeg operativnog plana za 2014. godinu za pogone RBB Bor“. Bor, 2014. godine, V.Milić
2. Tehnička kontrola: „Godišnjeg operativnog plana proizvodnje za 2014. godinu na kopovima Čokoće i Trešnja u Holcim d.o.o Novi Popovac“. Bor, 2014. godine, V.Milić
3. Tehnička kontrola: „Dopunskog rudarskog projekta eksploatacije rezervi uglja između prostorija OH – 790, raseda R-8 i R-3a u jami rudnika „Štavalj” – Sjenica” – Rudarskog projekta za izvođenje rudarskih radova van eksploatacionog polja jame rudnika „Štavalj”- Sjenica“. Bor, 2014. godine, V.Milić
4. Glavni rudarski projekat površinske eksploatacije krečnjaka za proizvodnju cementa i tehničkog građevinskog kamena na ležištu „Čokoće“ Novi Popovac, investitor Institut za rudarstvo i metalurgiju Bor iz Bora, Tehnički fakultet je vršilac tehničke kontrole, radna grupa M. Žikić, R. Pantović, S. Stojadinović i M. Trumić, 2014.

Sudska veštačenja

1. Veštačenje za potrebe Osnovnog suda u Paraćinu, Parnični postupak, Predmet broj 5P. Br. 1609/13, Komisija veštaka u sastavu Saša Stojadinović, Igor Svrkota i Dejan Petrović, 2014.

Прилог 6.

СПИСАК ТЕХНИЧКО-РАЗВОЈНИХ РЕШЕЊА ИСТРАЖИВАЧА СА ТЕХНИЧКОГ ФАКУЛТЕТА У БОРУ У 2014. ГОДИНИ

Преглед:

М82 – 2

М83 – 2

Техничко и развојно решење (М83 – нови технолошки поступак):

"Хидрометалуршки поступак прераде полиметаличних Cu-Zn-Pb сулфидних концентрата лужењем раствором сумпорне киселине и натријум-нитрата при стандардном притиску"

Аутори: М.Сокић, Б.Марковић, В.Матковић, Н.Штрбац, Д.Живковић, А.Митовски, В.Манојловић

Облик валоризације, односно тржишне комерцијализације

Корисник: РТБ -ТИР Бор

Техничко и развојно решење (М83 – нови технолошки поступак):

"Интегрални третман флотацијске јаловине бакра са поља 1 старог флотацијског јаловишта РТБ-а Бор"

Аутори: М.Бугарин, З.Стевановић, Р.Марковић, Љ.Обрадовић, В.Гардић, Р.Јонових, Љ.Аврамовић, Ј.Стевановић, М.Гвозденовић, М.Трумић

Облик валоризације, односно тржишне комерцијализације

Корисник: РТБ Бор

Техничко и развојно решење (М82 – нови материјал):

"Побољшање механичких својстава легуре састава PdNi5 оптимизацијом термомеханичког режима прераде"

Аутори: А.Ивановић, Б.Трумић, В.Крстић, С.Иванов, С.Марјановић, С.Димитријевић, В.Марјановић

Облик валоризације, односно тржишне комерцијализације

Корисник: ИРМ Бор

Техничко и развојно решење (М82 – индустријски прототип):

"Мерни претварач електричне снаге"

Аутори: Д.Миљивојевић, Р.Радетић, В.Тасић, М.Павлов, В.Деспотовић, Д.Бродић, Д.Таникић, В.Миљковић

Облик валоризације, односно тржишне комерцијализације

Корисник: РТБ Бор

Prilog 7.

OSTALE AKTIVNOSTI U OBLASTI NIR-A NA TEHNIČKOM FAKULTETU U BORU U 2014. GODINI

1. Nova oprema za NIR na TF Bor:

U periodu od 2011. do 2014. godine, TF Bor je iz okvira učešća na međunarodnim projektima, kao i projektima MPNTR RS, u značajnoj meri – u poredjenju sa dugogodišnjim prethodnim periodom – obnovio svoje naučno-istraživačke kapacitete novom opremom. Pored više sitnih uređaja i aparata manje vrednosti, tokom 2014.godine na Fakultet je stiglo i par komada kapitalne opreme, i to:

- Preko EU HETIP projekta, delegacija EU u Srbiji je investirala blizu 600.000 EUR za novu opremu na TF Bor, koja je stigla u maju 2014. godine: simultani diferencijalno-skenirajući kalorimetar sa termo-gravimetrijskom analizom – *DSC/TGA*, skenirajući elektronski mikroskop sa energetske disperzivnim spektrometrom – *SEM-EDS*, induktivno udružen plazma-optički emisioni spektrometar *ICP-OES*, *elektrohemijska stanica*, i skenirajuće-sondni mikroskop – *SPM*; i
- Preko MPNTR RS i PIU-JUP, iz okvira projekta OI172037, na TF Bor je decembra 2014.godine stigao i aparat *Xenon Flash Thermal Constant Analyzer* za beskontaktno nedestruktivno ispitivanje termijske difuzivnosti i provodljivosti čvrstih i tečnih supstanci u širem temperaturnom opsegu.

Ova visoko sofisticirana oprema će omogućiti savremen pristup NIR-u i nastavi, posebno na doktorskim studijama, na Fakultetu u oblasti hemijskog, metalurškog inženjerstva i rudarskog inženjerstva. Takođe, ovi kapaciteti će biti od značaja i u pripremi i prijavi predstojećih projekata – kako međunarodnih, tako i u novom projektnom ciklusu MPNTR RS, te projekata sa privredom.

2. Izdavanje časopisa:

TF Bor izdaje četiri naučna časopisa: *Journal of Mining and Metallurgy, Section B: Metallurgy* (JMMB), *Journal of Mining and Metallurgy, Section A: Metallurgy* (JMMA) (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 pomenuti časopisi su finansirani od strane MPNTR RS.

Slede podaci o aktuelnom pozicioniranju časopisa koje publikuje TF Bor tokom prethodne godine (prema <http://www.mpn.gov.rs/nauka/razvoj-naucnih-kadrova/53-kategorizacija-casopisa/773-kategorizacija-naucnih-casopisa-2013> i http://kobson.nb.rs/nauka_u_srbiji/kategorizacija_casopisa_33.html):

- *JMM - Section A: Mining* - svrstan je u kategoriju M51 (prema kategorizaciji domaćih naučnih časopisa za energetiku, rudarstvo i energetske efikasnost)

– *JMM - Section B: Metallurgy* - svrstan je u kategoriju M21 (od 2010.godine); IF(2013)=1.135 i mesto 22/75 u oblasti Metallurgical Engineering, kao i petogodišnji IF(2008-2013)=1.008 i mesto 23/75 u pomenutoj oblasti

- *SJM* - svrstan je u kategoriju M24 (prema kategorizaciji domaćih naučnih časopisa za uređenje, zaštitu i korišćenje voda, zemljišta i vazduha)

- *ROR* - svrstan je u kategoriju M53 (prema kategorizaciji domaćih naučnih časopisa za energetiku, rudarstvo i energetska efikasnost)

3. Organizacija naučnih skupova:

Tehnički fakultet u Boru u 2014.god. organizovao je i nekoliko skupova:

- *46th International October Conference on Mining and Metallurgy (IOC2014)* –organizatori su TF Bor i IRM Bor, skup je finansiran od strane MPNTR RS (predsednik org.odбора Prof.dr N.Štrbac).
- *22nd International Conference Ecological Truth (Eco-Ist2014)* - organizatori su TF Bor, Zavod za zaštitu zdravlja Timok Zaječar i Društvo mladih istraživača Bor, skup je finansiran od strane MPNTR RS (predsednik org.odбора Prof.dr R.Pantović).
- *10th International May Conference on Strategic Management (IMCSM2014)* – organizator je TF Bor, skup je finansiran od strane MPNTR RS (predsednik org.odбора Prof.dr I.Mihajlović).
- *9. Simpozijum Reciklažne tehnologije i održivi razvoj (SRTOR2014)* – organizator je TF Bor, skup je finansiran od strane MPNTR RS (predsednik org.odбора Doc.dr J.Sokolović).
- *4th International Symposium on Environmental and Materials Flow Management (EMFM2014)* – organizatori su TF Bor, Mašinski fakultet Univerziteta u Zenici (BiH) i Birkefeld Campus University of Applied Sciences Trier (Germany), (predsednik org.odбора Doc.dr Dj.Nikolić).

U okviru skupova – IMCSM, EciIst, SRTOR - nastavljeno je sa organizacijom odgovarajućih studentskih simpozijuma, a po prvi put u 2014. godini, pokrenut je u okviru IOC i 1st International Student Conference on mining, metallurgy, chemical engineering, material science and related fields.

4. Potpisani bilateralni sporazumi sa fakultetima u inostranstvu i ugovori sa institucijama iz inostranstva, šk. 2014/15. godini:

1. Faculty of Metallurgy, Technical University of Kosice, Slovakia
2. Chemical Faculty, Buryat State University from Ulan-Ude, Russia
3. Naravoslovnotehniška fakulteta Univerze v Ljubljani, Slovenija
4. Faculty of Engineering, University „Eftimie Murgu“ Resita, Romania
5. Faculty of Economics and Administrative Sciences, University „Eftimie Murgu“ Resita, Romania
6. University of Chemical Technology and Metallurgy, Sofia, Bulgaria
7. Faculty of Chemistry, University Paisii Hilendarski, Plovdiv, Bulgaria
8. Fakultet kemijskog inženjerstva i tehnologije Sveučilišta u Zagrebu, Hrvatska
9. Metalurški fakultet u Sisku Sveučilišta u Zagrebu, Hrvatska
10. Tehnološki fakultet u Zvorniku Univerziteta u Istočnom Sarajevu, RS-Bosna i Hercegovina

11. Tehnološki fakultet u Banjoj Luci Univerziteta u Banjoj Luci, RS-Bosna i Hercegovina
12. Fakultet za metalurgiju i materijale Univerziteta u Zenici, RS-Bosna i Hercegovina
13. Rudarski fakultet u Prijedoru Univerziteta u Banjoj Luci, RS-Bosna i Hercegovina
14. Ekonomski fakultet Univerziteta u Zenici, RS-Bosna i Hercegovina
15. Metalurško - tehnološki fakultet u Podgorici Univerziteta u Crne Gore, Crna Gora
16. Tehnološko-metalurški fakultet Skoplje, Univerzitet Sv. Ćirilo i Metodije u Skoplju, Republika Makedonija
17. University American College Skopje, Macedonia
18. Akita University, Akita, Japan
19. International Visegrad Fund, Bratislava, Slovakia

5. Potpisani ugovori o bilateralnoj saradnji sa fakultetima i institucijama iz Srbije, šk. 2014/15. godini:

1. Rudarsko-geološki fakultet u Beogradu Univerziteta u Beogradu
2. Tehnološko-metalurški fakultet u Beogradu Univerziteta u Beogradu
3. Tehnološki fakultet u Novom Sadu Univerziteta u Novom Sadu
4. Fakultet tehničkih nauka u Novom Sadu Univerziteta u Novom Sadu
5. Tehnološki fakultet u Leskovcu Univerziteta u Nišu
6. Fakultet tehničkih nauka u Kosovskoj Mitrovici Univerziteta u Prištini
7. Institut za rudarstvo i metalurgiju u Boru

6. Učešće u akademskim i drugim mrežama:

1. Associated Phase Diagram and Thermodynamics Committee:

Još od 1999. godine, nastavnici i saradnici TF Bor aktivno učestvuju u radu ove naučne organizacije, koja okuplja naučnike iz oblasti termodinamike i proračuna faznih dijagrama. Pored naših naučnika, u ovom komitetu su i kolege iz Poljske (AGH Krakov, Institut za proučavanje materijala pri Poljskoj akademiji nauka Krakov), Češke (Masarikov Univerzitet Brno i Institut za fiziku iz Brna), Slovačka (Fakultet za metalurgiju i materijale iz Košica), Mađarske (Metalurški fakultet Univerziteta u Miškolcu), Rumunije (Institut za fizičku hemiju Bukurešt), Bugarske (Departman za hemiju Univerziteta u Plovdivu), Slovenije (NTF Ljubljana), Hrvatske (Metalurški fakultet Sisak), BiH (Fakultet za metalurgiju i materijale Zenica). U okviru ovog komiteta TF Bor je tokom 2014. godine učestvovao na APDTC Discussion Meeting-u, u Krakovu, Poljska. Zajednička saradnja iz okvira ove mreže ostvaruje se trenutno kroz COST projekat COST MP0903 Nano-alloys.

2. Resita Network on Entrepreneurship and Innovation:

Od 2008. godine, 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 2014. godine organizovan je značajan broj aktivnosti – letnja akademija, razmena studenata i profesora, publikovanje radova, a TF Bor je organizovao i jednu studentsku radionicu na B.Jezeru tokom maja meseca.

3. 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 2014. godine, održano je nekoliko radnih sastanaka u Boru, Zenici i Sisku, bilateralnih poseta, ostvarena je saradnja kroz zajednički organizovane NIR aktivnosti, projekte (ERASMUS+ KA1, program SVIJET, bilaterlani projekat sa Slovenijom), organizovanje zajedničkih skupova, publikovanja radova, učešća u komisijama za dr radove, organizacije stručnih praksi i ekskurzija, i sl.

4. 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.

5. 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.

6. Promocija i popularizacija nauke:

Tokom 2014. godine, TF Bor je nastavio sa svojim tradicionalnim aktivnostima u okviru promocije i popularizacije nauke.

- 3.Festival nauke u Boru: *Naučni tornado 2014*, novembra 2014.
- Izložba *Tajni svet metala i minerala* (autora D.Živković, M.Cocić, J.Lamut, Lj.Balanović), organizovana u Zavičajnom muzeju u Knjaževcu u okviru manifestacije *Noć muzeja*, maja 2014.
- Po prvi put u Boru, na inicijativu prof. dr Dragane Živković, pokrenuta akcija BONIS2014 – *Borska noć istraživača*, septembra 2014.
- Po prvi put, na inicijativu Doc.dr Jovice Sokolovića, organizovan *1.Festival reciklaže* u Zaječaru, septembra 2014. u okviru IX SRTOR-a.

7. Učešće TFBor na sajmovima:

- 58. Međunarodni sajam tehnike u Beogradu 2014.
- 11th EDUfair u Beogradu 2014.
- 59. Međunarodni sajam knjiga u Beogradu 2014.

- Sajamska manifestacija „ZDRAVO-DOMAĆE-PRIRODNO“ u organizaciji RPK Zaječar, 2014.

8. Mobilnost studenata i nastavnika:

Tokom 2014.godine ostvarena je značajna dolazna mobilnost studenata i nastavnika iz inostranstva na TF Bor, kao i odlazna mobilnost studenata i nastavnika TF Bor, uglavnom u okviru međunarodnih projekata i postojećih akademskih mreža.

9. Učešće u radu međunarodnih (evropskih) naučnih tela:

- prof. dr Dragana Živković – član i predstavnik Srbije za COST Domain Committee in *Materials, Physical and Nanosciences* (period 2010-2014.)

10. Gostujući profesori sa TF Bor:

- Na Central South University, State Key laboratory for Powder Metallurgy, Changsha, China: *Prof. dr Dragana Živković*
- na Naravoslovno-tehniškoj fakulteti Univerze v Ljubljani, Slovenija: *Prof. dr Dragana Živković*
- na University American College Skopje, Makedonija: Prof. dr Živan Živković, Prof. dr Ivan Mihajlović, i dr.