

Универзитет у Београду  
Технички факултет у Бору  
Број: VI/4-5-2  
Бор, 29. 03. 2013. године

На основу чл. 47. Статута Техничког факултета у Бору, Наставно научно веће Факултета, на седници одржаној 28. 03. 2013. године, донело је

### ОДЛУКУ

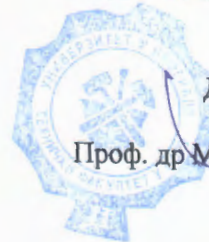
I Усваја се Извештај Комисије за обезбеђење и унапређење квалитета о оцени научног рада наставника и сарадника на Техничком факултету у Бору у 2012. години.

II Извештај Комисије за обезбеђење и унапређење квалитета о оцени научног рада наставника и сарадника на Техничком факултету у Бору у 2012. години, саставни је део ове Одлуке.

**Доставити:**

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

ПРЕДСЕДНИК  
НАСТАВНО НАУЧНОГ ВЕЋА



ДЕКАН

Проф. др Милан Антонијевић

Na osnovu čl. 7 Pravilnika o vrednovanju rezultata naučnog rada nastavnika i saradnika Tehničkog fakulteta u Boru Univerziteta u Beogradu, Komisija za obezbeđenje i unapređenje kvaliteta uradila je ocenu kvaliteta naučnog rada nastavnika i saradnika Fakulteta u 2012 godini i Nastavno-naučnom veću podnosi sledeći

## **I Z V E Š T A J**

### **I. OPŠTI DEO**

U okviru Komisije za obezbeđenje i unapređenje kvaliteta, Prodekan za naučno-istraživački rad i međunarodnu saradnju Prof. dr Dragana Živković, prikupila je podatke od nastavnika i saradnika sa Fakulteta o rezultatima NIR-a u 2012. godini, Prodekan za NIR sačinila je detaljan izveštaj o svim rezultatima i angažovanjima u oblasti NIR-a i međunarodne saradnje na Fakultetu tokom 2012. godine (Prilog 2). Komisija je u skladu sa čl. 5 Pravilnika o vrednovanju rezultata naučno-istraživačkog rada nastavnika i saradnika Tehničkog fakulteta u Boru izdvojila elemente iz izveštaja resornog prodekana za ocenu kvaliteta naučnog rada na Fakultetu tokom 2012. godine.

#### **I. Publikovani rezultati**

- 1.1. Publikovani rezultati u časopisima sa IF (Kategorija M21 – M23)
- 1.2. Publikovani rezultati u međunarodnim časopisima bez IF (Kategorija M24)
- 1.3. Publikovani rezultati u časopisima kategorije M 50 (M51-M53)
- 1.4. Publikovana poglavlja u monografijama međunarodnog značaja
- 1.5. Publikovana poglavlja u monografijama nacionalnog značaja
- 1.6. Publikovane monografije nacionalnog značaja
- 1.7. Publikovani udžbenici
- 1.8. Saopšteni radovi na međunarodnim konferencijama
- 1.9. Saopšteni radovi na nacionalnim konferencijama
- 1.10. CITIRANOST u časopisima sa SCI liste (SCOPUS rezultati)

#### **II Učešće u projektima**

- 2.1. Učešće na međunarodnim projektima
- 2.2. Učešće na projektima koje finansira Ministarstvo nauke i prosvete Republike Srbije
- 2.3. Učešće na projektima koje finansira privreda

## **II. POSEBNI DEO**

U skladu sa čl. 7 Pravilnika o vrednovanju kvaliteta naučno-istraživačkog rada, Komisija, na osnovu podataka koji su dati u prilogu - 2 ovog Izveštaja, izdvaja kvantitativne elemente koji proizilaze iz navedenih podataka.

### **1. Publikovani naučni rezultati u relevantnim publikacijama, saopšteni radovi, monografije udžbenici i CITIRANOST**

- 1.1. Tokom 2012. godine nastavnici i saradnici Fakulteta publikovali su ukupno 97 radova u časopisima sa IF (15 – M21; 13 – M22 i 52 – M23) u kojima sa kao autori ili koautori javljaju 56 autora sa Fakulteta.
- 1.2. U časopisima kategorije M24 nastavnici i saradnici publikovali su tokom 2012. god. 15 rada u kojima su 23 autora i koautora sa Fakulteta.
- 1.3. U nacionalnim časopisima kategorije M51, M52 i M53 publikovano je ukupno 55 radova od strane 55 autora ili koautora sa Fakulteta.
- 1.4. Poglavlja u monografijama međunarodnog značaja M13 i M14 ukupno 7 naslova u kojima učestvuju 12 nastavnika i saradnika sa Fakulteta.
- 1.5. Publikovano je 4 poglavlja u monografijama nacionalnog značaja od strane 1 autora i koautora sa Fakulteta.
- 1.6. Publikovano je ukupno 4 monografija nacionalnog značaja u kojima sa javlja 4 autora i koautora sa Fakulteta.
- 1.7. Publikovano je 6 udžbenika i pomoćnih udžbenika od strane 3 autora i koautora sa Fakulteta
- 1.8. Na konferencijama međunarodnog značaja saopšteno je 161 saopštenja od strane 77 autora ili koautora sa Fakulteta
- 1.9. Na konferencijama nacionalnog značaja saopšteno je 69 radova od strane 60 autora i koautora sa Fakulteta.
- 1.10. CITIRANOST u 2012. godini. U toku prethodne 2012. godine 111 radova autora sa Fakulteta citirano je 258 puta. U navedenim citatima učestvovalo je 60 nastavnika i saradnika Fakulteta.

### **2. Učešće u projektima**

- 2.1. U toku 2012. godine nastavnici i saradnici učestvuju u realizaciji 9 međunarodnih projekata.
- 2.2. U periodu 2010-2014. godine Fakultet učestvuje u realizaciji 26 projekata koje finansira Ministarstvo za nauku i prosvetu Republike Srbije, od čega:
  - a) U projektima osnovnih istraživanja, 9 projekata od čega za 2 projekta je koordinator Tehnički fakultet u Boru. Na ovim projektima učestvuju 20 istraživača.

- b) U projektima kategorije tehnološkog razvoja Fakultet učestvuje u ukupno 14 projekata od toga za 3 projekta koordinator je Tehnički fakultet u Boru. Na ovim projektima učestvuje 44 istraživača sa Fakulteta.
- c) Na projektima kategorije III Fakultet učestvuje na ukupno 4 projekata sa 9 istraživača.

2.3. Na projektima za privredu Fakultet je u 2012 godini učestvovao u realizaciji 14 projekata.

### III ZAKLJUČCI

1. S obzirom da se kvalitet naučno-istraživačkog rada meri preko broja publikovanih radova u časopisima sa IF kao i ostvarenim citatima (prema SCOPUS-u), dobijeni rezultati tokom 2012. godine na Fakultetu mogu se oceniti kao izuzetno uspešni. Ovaj zaključak se nameće posebno kada se dobijene brojke izraze po broju zaposlenih nastavnika. Dobijeni rezultat je među najboljim u Srbiji.
2. Na sl. 1. u prilogu 1. prikazan je trend broja publikovanih radova, ostvarenih citata i broja nastavnika koji učestvuju u ovom rezultatu od 2007. godine od kada se ovi rezultati mere na Fakultetu. Dobijeni rezultat pokazuje trend pozitivnog rasta. Ova činjenica ohrabruje zato što stvara osnovne pretpostavke za uvećanje kompetencija zaposlenih i rejtinga Fakulteta kako u Srbiji tako i u inostranstvu.
3. Prisutna je činjenica da se na radovima po pravilu javlja veći broj autora što može biti nepovoljno kod budućih izbora (imajući u vidu nacrt kriterijuma za izbor u zvanja) kao i kod vrednovanja rezultata na projektima.
4. Zadovoljavajuće angažovanje na projektima 2010 – 2014 obavezuje sve istraživače da ostvare očekivane rezultate kako bi za naredni ciklus 2014-2018 imali što bolju startnu poziciju.

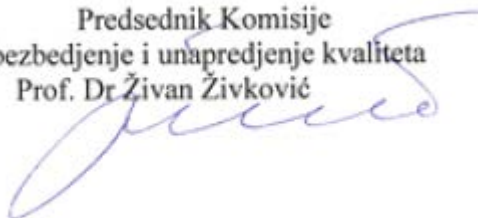
U Boru, februara 2013. godine

Prilog 1. Grafički prikaz rezultata  
Prilog 2. Izveštaj Prodekana za NIR i  
međunarodnu saradnju

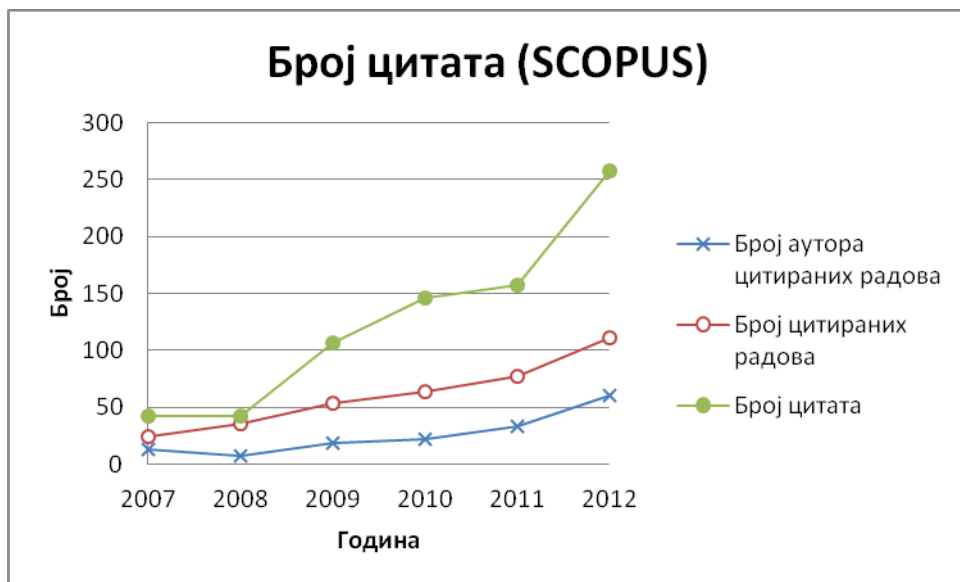
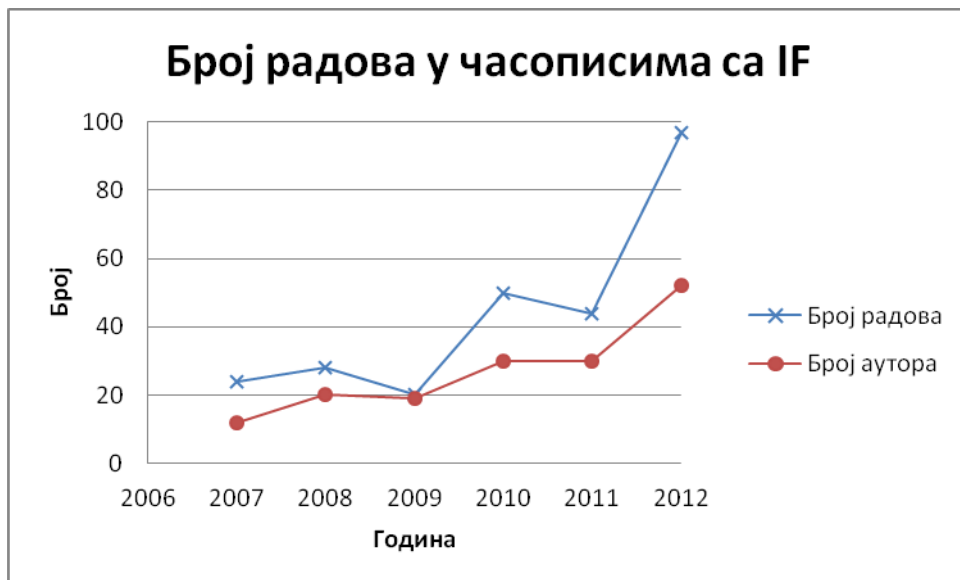
Dostavljeno:

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

Predsednik Komisije  
za obezbedjenje i unapredjenje kvaliteta  
Prof. Dr Živan Živković



## ПРИЛОГ 1



**UNIVERZITET U BEOGRADU  
TEHNIČKI FAKULTET U BORU**



**GODIŠNJI IZVEŠTAJ  
O REZULTATIMA NIR-A**

**2012. godina**

**Bor, februara 2013.**

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

**2012. godina**

## OSNOVNI PODACI

Izveštaj o radu u oblasti NIR-a i međunarodne saradnje na Tehničkom fakultetu u Boru za 2012. godinu obuhvata nekoliko segmenata:

- Spisak referenci i citata nastavnika i saradnika Fakulteta
- Spisak projekata na kojima su uključeni nastavnici i saradnici Fakulteta
- Spisak aktivnosti u okviru međunarodne saradnje Fakulteta
- Spisak naučnih skupova u organizaciji Fakulteta
- Spisak aktivnosti u izdavačkoj delatnosti Fakulteta

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 2012. godine, predstavljenih u prilogu datom u produžetku ovog teksta, mogu se izvući *osnovni podaci*:

1. Publikovani radovi u međunarodnim časopisima kategorije M10+M20: **8+97= 105 radova**
2. Publikovani radovi u nacionalnim časopisima kategorije M50: **58 radova**
3. Citiranost u 2012. godini: **111 radova citirano ukupno 258 puta**
4. Publikovane monografije, zbornici radova, udžbenici: **4 monografije nacionalnog značaja kategorije M40, 2 zbornika sa međunarodnih naučnih skupova kategorije M30, 1 zbornik sa skupova nacionalnog značaja kategorije M60 i 6 udžbenika**
5. Saopšteni radovi na međunarodnim i nacionalnim skupovima: **159+69= 228 radova**
6. Angažovanje na projektima:
  - 6.1. Međunarodni projekti: **9**
  - 6.2. Projekti kod Ministarstva prosvete i nauke R. Srbije: **26**  
(4 III, 9 OI, 13 TR; od toga 5 projekata na kojima su rukovodioci istraživači sa TF Bor)
  - 6.3. Projekti za privredu: **10**
  - 6.4. Ostali projekti: **4**

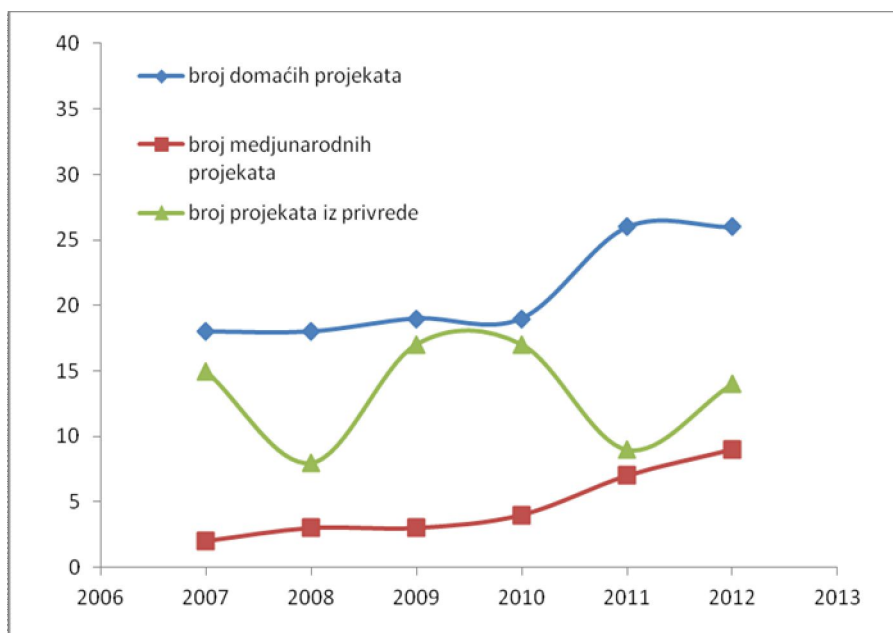
Zbirni prikaz rezultata NIR-a za 2012. godinu dat je u Tabeli 1.

*Tabela 1. Zbirni prikaz rezultata NIR & MS za UB, TFB – godina 2012.*

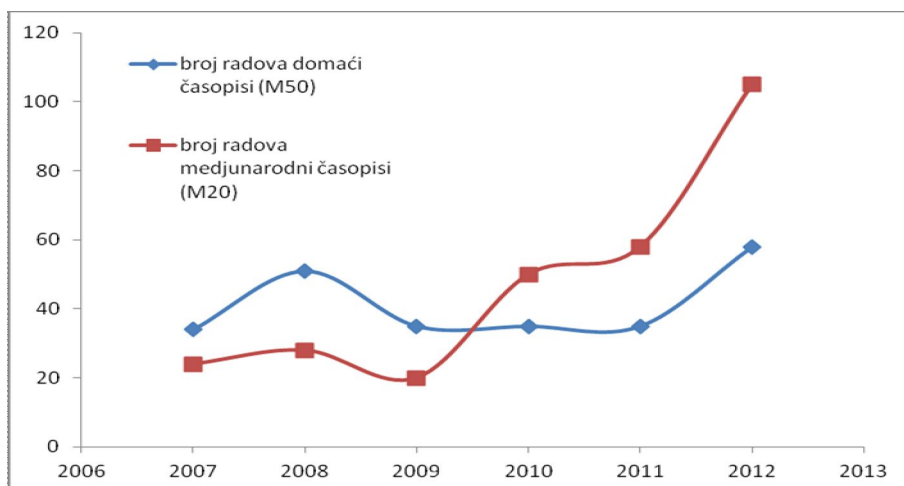
<b>NIR&amp;MS rezultati 2012. – PREGLED ZA UB, TF BOR</b>		
<b>Tip rezultata/ kategorija prema MPN</b>	<b>Broj ostvarenih rezultata</b>	<b>UKUPNO</b>
M13	3	<b>M10 – 8</b>
M14	4	
M18	1	
M21	15	<b>M20 – 97</b>
M22	13	
M23	52	
M24	15	
M27	1	
M28	1	
M51	19	<b>M50 – 58</b>
M52	26	
M53	10	
M56	3	
M42	4	<b>M40 – 9</b>
M44	3	
M45	2	
M31	1	<b>M30 – 161</b>
M33	123	
M34	35	
M36	2	
M63	54	<b>M60 – 70</b>
M64	15	
M66	1	
M71	8	<b>M71 – 8</b>
M82	4	<b>M82 – 4</b>
M83	2	<b>M83 – 2</b>
M84	2	<b>M84 – 2</b>
<b>Udžbenici</b>	6	<b>6</b>
<b>Citiranost</b>	<b>111 radova 258 puta</b>	
<b>Međunarodni projekti</b>	<b>9</b>	
<b>Projekti finansirani od MPN RS</b>	<b>26</b>	
<b>Projekti finansirani od privrede i ostali projekti</b>	<b>14</b>	
<b>Studijski boravci</b>	<b>sa TFB</b>	<b>10 nastavnika i saradnika / 11 poseta</b>
	<b>na TFB</b>	<b>10 nastavnika i saradnika / 9 poseta</b>
<b>Organizovani naučni skupovi</b>	<b>3</b>	
<b>Publikovani časopisi</b>	<b>4</b>	

Sledi komparativni prikaz rezultata za prethodni period predstavljen na slikama 1-3 i u tabeli 2.





*Sl.1. Komparativni prikaz broja projekata na TF Bor u periodu 2007. - 2012. god.*



*Sl.2. Komparativni prikaz broja radova (M20 i M50) na TF Bor u periodu 2007. - 2012. god.*

*Tabela 2. Komparativni prikaz broja rezultata kategorija M30, M60, M70 i M80 u periodu 2007. - 2012. god.*

Godina	2010	2011	2012
broj saopštenja na medj.skupovima (M30)	107	179	161
broj saopštenja na dom.skupovima (M60)	68	79	70
broj MSc i Dr radova (M70)	9	1	8
broj tehničko-razvojnih rešenja (M80)	6	2	8



**Sl.3. Komparativni prikaz broja citata na JCR listi - TF Bor, period 2007. - 2012. god.**

Ovakav prikaz ukazuje na pozitivan trend broja rezultata NIR-a koje su nastavnici i saradnici Tehničkog fakulteta u Boru ostvarili tokom 2012. godine. Posebno treba pomenuti značajan porast pojedinih važnih naučnih rezultata - skoro udvostručen broj rezultata M20 kategorije (2011. – 58; 2012. – 97) i citiranosti (2011. – 157; 2012. – 258) u odnosu na prethodnu godinu. Primetna je ravnomernija prisutnost autora iz različitih oblasti istraživanja u broju radova kategorija M21, M22 i M23 u odnosu na raniji period:

- 10 radova M20 kategorije iz oblasti rudarstva,
- 25 radova M20 kategorije iz oblasti metalurgije,
- 9 radova M20 kategorije iz oblasti tehnologije,
- 15 radova M20 kategorije iz oblasti inženjerskog menadžmenta i
- 18 radova M20 kategorije iz oblasti matematike, fizike, mašinstva, informatike i elektrotehnike,

što se može smatrati dobrom posledicom stalnog pooštavanja kriterijuma izbora u nastavna zvanja, evaluacija na projektima MPNTR, uvođenja sistema kvaliteta kroz akreditacioni proces, itd. Izuzetno se pozitivno može oceniti značajno učešće mladih – asistenata, doktorskih studenata, u ukupnom broju radova u prethodnih godini. Što se citiranosti tiče, iako se i u tom segmentu uočava povećana heterogenost citiranih autora, i dalje se izdvaja nekoliko istraživačkih grupa i pojedinaca u ukupnoj citiranosti i za 2012. godinu, i to posebno: prof. dr Milan Antonijević - 83 citata (ukupni broj citata 516, ukupni broj radova 58), prof. dr Dragana Živković - 61 citat (ukupni broj citata 443, ukupni broj radova 155), i prof. dr Živan Živković - 57 citata (ukupni broj citata 465, ukupni broj radova 136). Takođe, uočeno je povećanje broja odbranih doktorskih disertacija mladih kolega asistenata, kao i porast broja tehničkih i razvojnih rešenja autora sa TF Bor u odnosu na prethodni period.

Vezano za tekući projektni ciklus kod MPNTR, i dalje su prisutni stalni problemi vezano za nezavidnu materijalno-finansijsku situaciju. Sredstva za DMT nisu isplaćena u celosti, kapitalna oprema koja je odobrena određenim projektima još uvek nije stigla, ali su tokom ove godine stigli materijal za rad i sitna

oprema nabavljeni preko JUP-a. Jasno je da ovakav finansijski trend ne može dovesti do maksimalno kvalitetnih rezultata, niti omogućiti predviđeno izvršenje projektnih aktivnosti. Krajem 2012. započela je i evaluacija projekta na polovini ciklusa.

U oblasti saradnje sa privredom, kao i u ranijem periodu, radi se prevashodno o tehničkim kontrolama rudarskih projekata, a tokom 2012. godine su pokrenute i nove akcije vezane za popularizaciju nauke kod mladih – kroz jedan projekat promocije omladinskog preduzetništva kod CPN RS i učešće na Prvom festivalu nauke u Boru, pod nazivom “ Naučni tornado”.

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, nastavljen je uspešan rad akademskih mreža u kojima je TF Bor aktivan partner (Resita Network, MetNet, EURAXESS mreža), a kroz aktuelne međunarodne projekte ostvareni su važni kontakti sa respektabilnim evropskim akademskim i naučnim institucijama, što je stvorilo 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 nastavnika sa inostranih univerziteta (UK, Slovenia, China, Bulgaria, Canada, Hrvatska, etc.) na TF Bor, među kojima i pojedinih uvaženih svetskih imena, što je opširnije opisano u samom pregledu rezultata. Ovo je trend koji dalje treba podržavati i razvijati.

U oblasti izdavačke aktivnosti treba istaći da je štampan uobičajeni broj udžbeničke literature kao i ranijih godina. Što se tiče stanja vezano za izdavanje časopisa, treba istaći da je časopis *Journal of Mining and Metallurgy - Section B: Metallurgy*, čiji je TF Bor izdavač a MPNTR RS finansijski sponzor, i u protekloj godini zabeležio dobre rezultate ostvarujući IF (2011) = 1,317 (Metallurgy & Metallurgical Engineering 14/75), u odnosu na rezultate iz prethodnih godina (IF(2009)=0.548(29/70), IF(2010)=1.294(12/76)). Obzirom da je u svojoj disciplini svrstan među prvih 30% u svetu, klasifikovan je prema MPNTR RS kao vrhunski međunarodni časopis M21 kategorije. I druga dva časopisa koja se izdaju na TF Bor – *Serbian Journal of Management* (klasifikovan u kategoriju M24 prema MPNTR RS u 2012. godini, finansiran od strane MPNTR RS) i *Journal of Mining and Metallurgy, Section A: Mining* (klasifikovan u kategoriju M53 prema MPNTR RS u 2012. godini) nastavljaju dobrim tempom dalje i očekuje se da uskoro poboljšaju svoje pozicije na listama kategorizacije časopisa, dok je pozitivni pomak načinio četvrti časopis koji izdaje TF Bor - *Reciklaža i održivi razvoj*, koji je po prvi put u 2012. godini klasifikovan od strane MPNTR RS, i to kao časopis kategorije M53. Treba napomenuti da finansijska situacija u oblasti publikovanja časopisa nije nimalo zavidna, i u skladu je sa opštim trendom ulaganja u nauku na nivou Srbije u poslednjem periodu.

Tokom protekle godine, fakultet je uspešno organizovao 3 naučna skupa:

- jubilarni *XX International Scientific and Professional Meeting "Ecological Truth" ECO-IST 2012*, (Zaječar, maj 2012.)
- VIII Majska konferencija o stratejskom menadžmentu - MKSM2011 (Bor, maj 2012.) , u okviru koga je održan i studentski simpozijum na istu temu, i
- VII Simpozijum Reciklažne tehnologije i održivi razvoj - SRTOR2012 (Sokobanja, septembar 2012.), , u okviru koga je održan istudentski simpozijum na istu temu,

i učestvovao kao koorganizator u 2 međunarodna naučna skupa:

- *44<sup>th</sup> International October Conference on Mining and Metallurgy - IOC 2012* (Bor, oktobar 2012.) i
- *2<sup>nd</sup> International Symposium on Environmental and Materials Flow Management – EMFM 2012* (Zenica, BiH, 5-7. jun 2012.)

Takodje, u organizaciji TF Bor su održane i dve naučne radionice – jedna u sklopu TEMPUS MCHM projekta – *Workshop 'Remediation'* (Bor, april 2012.) i druga u sklopu Resita Network - *'International Summer School: Strategic Management for Entrepreneurs'* (Bor, maj 2012.), dok je TF Bor kao koorganizator učestvovao po prvi put i u *1<sup>st</sup> Winter School - Renewable Energy Systems and Green Nanotechnologies for a Clean Environment*, u organizaciji University of Craiova, University of Bucharest (Romania), University of Pisa i University of Palermo (Italy).

Na osnovu izloženog, može se smatrati da su rezultati u oblasti NIR-a i međunarodne saradnje tokom 2012. godine bili više nego zadovoljavajući, čak pomerajući neke limite iz prethodnih godina, ali da svakako treba raditi na tome da se stvore uslovi kako bi se u narednom periodu dalje unapredili i poboljšali.

*Podnosilac izveštaja:*



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

U Boru,  
18. februar 2013. godine

**NAPOMENA:** *Želela bih da u okviru ovog izveštaja posebno istaknem trud i zalaganje koleginice Ass. Aleksandre Mitovski, koji je dala značajan doprinos u sredjivanju i upotpunjivanju ovog izveštaja, kao i da se zahvalim svim kolegama na saradnji i promptnosti u slanju izveštaja vezano za rezultate NIR-a u 2012. godini.*

**M21 – 15**

1. Magdalinovic Nedeljko, Trumic Milan, Trumic Goran, Magdalinovic Srdjana, Trumic Maja, Determination of the bond work index on samples of non-standard size, INTERNATIONAL JOURNAL OF MINERAL PROCESSING, 114–117 (2012) 48–50.
2. Andric Ljubisa D, Acimovic-Pavlovic Zagorka S, Trumic Milan, Prstic Aurel K, Tanaskovic Zorica, Specific characteristics of coating glazes based on basalt, MATERIALS & DESIGN, 39 (7) (2012) 9-13.
3. Sasa Stojadinović, Igor Svrkota, Dejan Petrović, Miodrag Denić, Radoje Pantović, Vitomir Milić, Mining injuries in Serbian underground coalmines-a ten year study, Injury - International Journal of the Care of the Injured, 43 (2012), 2001-2005.
4. D. Minić, M. Kolarević, D. Manasijević, A. Todorović, D. Živković, N. Talijan, Experimental investigation and thermodynamic calculations of the Ni–Sb–Zn phase diagram, Materials Chemistry and Physics, 132 (2012) 402-408.
5. D. Minić, D. Manasijević, V. Čosovic, 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.
6. V. Čosović, N. Talijan, D. Živković, D. Minić, Ž. Živković, Comparison of properties of silver- metal oxide electrical contact materials, Journal of Mining and Metallurgy, Section B: Metallurgy, 48 (1)(2012) 131-141.
7. D. Minić, D. Manasijević, J. Đokić, N. Talijan, D. Živković, M. Premović, Phase transformations in the ternary Ag-Ga-Sb system, Materials Chemistry and Physics, 134 (2012) 287– 293.
8. I. Katayama, S. Tanigawa, D. Živković, Y. Hattori, H. Yamashita, Newly developed EMF cell with zirconia solid electrolyte for measurement of low oxygen potentials in liquid Cu-Cr and Cu-Zr alloy, Journal of Mining and Metallurgy, Section B: Metallurgy, 48 (3) B (2012) 331-337.
9. D. Živković, D. Manasijević, Lj. Balanović, D. Minić, V. Čosović, A. Kostov, Ž. Živković, Phase relations in Bi-rich part of the Bi-Ga-Ni system, Journal of Mining and Metallurgy, Section B: Metallurgy, 48 (3) B (2012) 375-381.
10. M. Sokić, B. Marković, V. Matković, D. Živković, N. Štrbac, J. Stojanović, Kinetics and mechanism of sphalerite leaching by sodium nitrate in sulphuric acid solution, Journal of mining and metallurgy Section B: Metallurgy, 48 (2) B (2012) 185-195.
11. M. Niculović, D. Živković, D. Manasijević, N. Štrbac, Monitoring the effect of Internet use on students behavior Case study: Technical Faculty Bor, University of Belgrade, Educational Technology Research & Development (ETRD), 60 (3) (2012) 547-559.
12. Vesna Grekulović, Mirjana Rajčić-Vujasinović, Electrochemical behaviour of AgCu alloy in alkaline medium in presence of chloride ions, Corrosion, 68,2 (2012), 025003-1-025003-8.
13. Djordjevic, P., Mitevska, N., Mihajlovic, I., Nikolić, D., Manasijevic, D., Zivkovic, Z. (2012). The effect of copper content in the matte on the distribution coefficients between the slag and the matte for certain elements in the sulphide

copper concentrate smelting process. *Journal of Mining and Metallurgy Section B-Metallurgy, Technical Faculty Bor*, 48(1): 143-151.

14. Dejan Bogdanovic, Djordje Nikolic and Ivana ilic, (2012), Mining method selection by integrated AHP and PROMETHEE method, *Anais da Academia Brasileira de Ciências*, 84(1), 1-4. ISSN: 0001-3765, IF za 2011-1.208

15. Djolović, E.Malkowsky, On Matrix Mappings Into Some Strong Cesàro Sequence Spaces, *Applied Mathematics and Computation*, 218 (10)(2012) 6155-6163.

## **M22 – 13**

1. Jovica M. Sokolovic, Jovica M. Sokolovic, Rodoljub D. Stanojlovic, Zoran S. Markovic, Activation of oxidized surface of anthracite waste coal by attrition, *Physicochemical Problems of Mineral Processing*, 48 (1), 2012, pp. 5–18.

2. Magdalinovic Nedeljko, Trumic Milan, Trumic Maja, Andric Ljubisa D, The Optimal Ball Diameter in a Mill, *Physicochemical problems of mineral processing*, 48 (2) (2012), 329-339.

3. Vladimir Despotović, Norbert Görtz, Zoran Perić, Nonlinear long-term prediction of speech based on truncated Volterra series, *IEEE Transactions on audio speech and language processing*, 20 (3) (2012) 1069-1073.

4. Vesna Grekulović, Mirjana Rajčić-Vujasinović, Batrić Pešić, Zoran Stević, Influence of BTA on Electrochemical Behavior of AgCu50 Alloy, *Int. J. Electrochem. Sci.*, 7 (2012) 5231 - 5245

5. D. Živković, Y. Du, N. Talijan, A. Kostov, Lj. Balanović, Calculation of thermodynamic properties in liquid phase for ternary Al–Ni–Zn alloys, *Transactions of Nonferrous Metals Society of China*, 22 (2012) 3059–3065.

6. Marija B. Petrović, Milan B. Radovanović, Ana T. Simonović, Snežana M. Milić, Milan M. Antonijević, The effect of cysteine on the behaviour of copper in neutral and alkaline sulphate solutions, *International Journal of Electrochemical Science (ISSN 1452-3981)*, 7 (10) (2012) 9043-9057

7. Milan B. Radovanović, Ana T. Simonović, Marija B. Petrović, Snežana M. Milić, Milan M. Antonijević, Influence of Purine on Brass Behavior in Neutral and Alkaline Sulphate Solutions, *International Journal of Electrochemical Science (ISSN 1452-3981)*, 7 (12) (2012) 11796-11810

8. Milan M. Antonijević, Mile D. Dimitrijević, Snežana M. Milić, Maja M. Nujkić, 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

9. Snezana M. Serbula, Dusanka Dj. Miljkovic, Renata M. Kovacevic, Ana A. Ilic, Assessment of airborne heavy metal pollution using plant parts and topsoil, *Ecotoxicology and Environmental Safety*, (ISSN: 0147-6513), 76 (2012) pp. 209-214

10. Nikolic, R.R. and J.M. Djokovic, The LEFM Concept for Interfacial Cracks Application to the Problem of Coating delamination on Cylindrical Substrates, *Journal of Applied Mechanics, Transactions of ASME*, Vol. 79, Issue 3, May 2012, pp. 031005-1 - 031005-7.

11. Milivojevic, Z. N.; Milivojevic, M.; Brodic, D.; Milivojević, D.R. The acute hypoxia indication by the dissonant intervals of the speech signal. *International Journal of the Physical Sciences* (2012), vol.7(3), pp. 394-399. ISSN: 1992-1950.

12. M. Vuković, B. Pesić, N. Štrbac, I. Mihajlović, M. Sokić – Linear Polarization Study of the Corrosion of Iron in the Presence of *Thiobacillus ferrooxidans* Bacteria, *Int. J. of Electrochem. Sci.*, 7(2012) 2487-2503.

## **M23 – 52**

1. Jovica M. Sokolovic, Rodoljub D. Stanojlovic, Zoran S. Markovic, The effects of pretreatment on the flotation kinetics of waste coal, *International Journal of Coal Preparation and Utilization*, DOI:10.1080/19392699.2012.663023, Volume 32, Issue 3, 2012, pp. 130-142.

2. Daniela UROŠEVIĆ, Zoran MARKOVIĆ, Zdenka STANOJEVIĆ-ŠIMŠIĆ, Aleksandar MILENKOVIĆ, Dragan MILANOVIĆ, Vladimir SPASOJEVIĆ: THE BEHAVIOR OF BENTONITE, SODIUM POLYACRYLATE AND SODIUM SILICATE AS DISPERSANTS AND THEIR INFLUENCE ON THE STABILITY OF THE SMELTER SLAG IN FLOTATION PROCESS. *Metalurgia International*, XVII (5) (2012) 5-13.

3. Andric Ljubisa D, Petrov Milan M, Acimovic-Pavlovic Zagorka S, Trumic Milan, A Kinetic Study of Mechanical Activation of Mica in a Vibratory Mill, *METALURGIA INTERNATIONAL*, 17 (7) (2012) 33-38.

4. Andric Ljubisa D, Acimovic-Pavlovic Zagorka S, Trumic Milan, Kostovic Milena, The influence of process parameters on the structure and properties of micamechanically activated in an ultra centrifugal mill, *JOURNAL OF CERAMIC PROCESSING RESEARCH*, 13 (4) (2012), 470-475.

5. Andric Ljubisa D, Acimovic-Pavlovic Zagorka S, Trumic Milan, Milena Kostović, Nadežda Čalić, Effect of Operating Parameters on the Mechanical Activation Process of Mica Powder, *TRANSACTIONS OF THE INDIAN CERAMIC SOCIETY*, 71 (3) (2012), 143-150.

6. Zoler C., Dašić P., Dobra R., Pantović R., Damnjanović Z.: Sequential algorithm and fuzzy logic to optimum control the ore grinding aggregates, *Technics Technologies Education Management (TTEM)*, 7 (1), (2012), 279-284.

7. Dragan R. Milivojević, Marijana Pavlov, Vladimir Despotović, Viša Tasić, Half a Century of Computing in Copper Mining and Metallurgy Industry in Serbia, *IEEE Annals of the History of Computing*, 34 (3) (2012) 34-43.

8. Dejan Tanikić, Velibor Marinković, Modelling and Optimization of the Surface Roughness in the Dry Turning of the Cold Rolled Alloyed Steel Using Regression Analysis, *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 34 (1) (2012) 41-48.

9. Lj. Balanović, D. Mansijević, D. Živković, A. Mitovski, N. Talijan, D. Minić, Ž. Živković, Experimental investigation and thermodynamic prediction of the Al-Ge-Zn phase diagram, *Journal of Thermal Analysis and Calorimetry*, 110(1)(2012)221-226.

10. Živković, D., Balanović, L., Manasijević, D., Mitovski, A., Živković, Ž., Kostić, N., Calorimetric study of Al-Ga system using Oelsen method, *Thermochimica Acta*, 544 (2012) 6-9.

11. D. Minić, M. Kolarević, D. Manasijević, V. Čosović, D. Živković, N. Talijan, M. Marković, Characterization of alloys and liquidus projections of ternary Bi–Sb–Sn system, *High Temperature Materials and Processes*, 31 (1) (2012) 19-25.

12. L.Gomidželović, D.Živković, N.Talijan, V.Čosović, Lj.Balanović, Investigation of structural, mechanical and electrical properties of Au-Ga alloys with low gold content, *Materials Testing*, 54 (5) (2012) 347-350.

13. T.Žak, V.Čosović, A.Čosović, B.David, N.Talijan, D.Živković, Formation of magnetic microstructure of the nano-sized NiFe<sub>2</sub>O<sub>4</sub> synthesized via solid-state reaction, *Science of Sintering*, 44 (1) (2012) 103-112.

14. V. Čosović, A. Čosović, N. Talijan, D. Živković, Ž.Živković, State of the art and challenges in development of electrical contact materials in the light of the RoHS directive, *Science of Sintering*, 44 (2012) 245-253.
15. V. Čosović, D. Minić, D. Manasijević, M. Kolarević, N. Talijan, D. Živković, Study of electrical conductivity and hardness of the alloys of ternary Bi–Sb–Zn system and calculation of isothermal section at 298K, *Kovove Materialy (Metallic Materials)*, 50 (2012) 161-167.
16. D. Živković, Y.Du, Lj. Balanović, D. Manasijević, D. Minić, N.Talijan, Prediction of thermodynamic properties for liquid Al-Mg-Zn alloys, *Materials and Technology*, 46 (2012) 5 477-482.
17. D.Živković, E.Begović, A.Kostov, S.Ekinović, Advanced Trends in Design of Lead-free Alternative for Traditional Free Machining Brasses, *Journal of Environmental Protection and Ecology*, 13 (3A) (2012) 1914-1920.
18. S.Lj. Ivanov, Lj.S. Ivanić, D.M. Gusković, S.A. Mladenović, Optimization of the aging regime of Al-based alloys, *Hemijaska industrija*, 66 (4) (2012) 601-607.
19. S. Mladenović, D. Marković, Lj. Ivanić, S. Ivanov, D. Gusković, The microstructure and mechanical properties of as-cast Sn-Sb-Zn lead free solder alloys, *Metalurgia International*, 17 (4) (2012) 34-38
20. S. Mladenović, Lj. Ivanić, S. Marjanović, S. Ivanov, D. Gusković, Electrochemical and wetting behavior of as-cast Sn-Zn-Bi lead free solder alloys, *Metalurgia International*, 17 (7) (2012) 125-129.
21. S. Mladenović, Lj. Ivanić, S. Marjanović, S. Ivanov, D. Gusković, The rate of Fe and Pb elimination from molten copper by the use of different flux composition, *Metalurgia International*, 17 (9) (2012) 38-41;
22. S.A. Mladenović, D.D. Marković, Lj.S. Ivanić, S.Lj. Ivanov, Z.S. Aćimović-Pavlović, The microstructure and properties of as-cast Sn-Zn-Bi solder alloys, *Hemijaska industrija*, 66 (4) (2012) 595-600.
23. Marija B. Petrović, Ana T. Simonović, Milan B. Radovanović, Snežana M. Milić, Milan M. Antonijević, Influence of purine on copper behavior in neutral and alkaline sulfate solutions, *Chemical papers* 66 (7) (2012) 664-676.
24. V.Tasić, N. Milošević, R. Kovačević, M. Jovašević-Stojanović, M. Dimitrijević, Indicative leveles of PM in the ambient air in the surrounding villages of the Copper Smelter Complex Bor, Serbia, *Chemical Industry & Chemical Engineering Quarterly*, 18(4)(2012)643-652.
25. Vesna Radojičić, Sladjana Alagić, Borivoj Adnadjević and Abduladhim M. Maktouf, Effect of Applied Zeolite Quantity on Reduction of Polycyclic Aromatic Hydrocarbons in Tobacco Smoke. *African Journal of Biotechnology*, 11 (42) (2012) 10041-10047.
26. Djokovic, J. M., R. R. Nikolic, Characteristic Parameters of Dynamic Crack Growth Along the Interface Between the two Orthotropic Materials, *Advanced Materials Research*, 452-453 (2) (2012) 1184-1189.
27. Djoković, J. M., K. M. Veljković, R. R. Nikolić, "Plastic analysis of the steel frame structures using computer modeling", *Procedia Engineering*, Vol. 40 (2012), pp. 304-309.
28. Avramovic, Zoran A.; Antonijevic, Milan M.; Petrovic, Nenad I., Electrochemical behaviour of cold-deformed brass in the presence of corrosion inhibitors, *Metalurgia International*, 17 (1) (2012) 59-65
29. I. Đurić, I. Mihajlović, Ž. Živković, D. Kešelj, Articial neural network prediction of aluminum extraction from bauxite in the Bayer process, *J. Serb. Chem. Soc.* 76(9) 1259-1271 (2012).



30. Damnjanovic Zvonko, Mancic Dragan D, Dasic Predrag V, Lazarevic Dragoljub, Pantovic Radoje Thermoelastic stress analysis based on infrared thermography, TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM, 7 (2) (2012) 914-919.
31. Urošević S. Đorđević D. Čočkalović D. ANALYSIS OF FINISHING WORKS ASPECTS AS DEVELOPMENT ASSUMPTION OF TEXTILE AND CLOTHING INDUSTRY IN REPUBLIC OF SERBIA, TEKSTIL VE KONFEKSIYON, 22 (3) (2012) 190-196.
32. Andevski M., Urošević S., Stamatović M., DISCOURSE OF SUSTAINABLE DEVELOPMENT - A BASE OF ENVIRONMENTAL EDUCATION IN SERBIA, Environmental Engineering and Management Journal, 11 (9) (2012) 1611-1636.
33. Đorđević S., Nikolić Lj. Urošević S., Đorđević D., IMPORTANCE OF POLYMER SIZE RHEOLOGY FOR EFFICIENT SIZING OF COTTON WARP YARNS, TEKSTIL VE KONFEKSIYON, 22 (2) (2012) 77-82.
34. Arsić M., Nikolić Đ, Živković Ž., Urošević S., Mihajlović I., EFFECT OF TQM ON EMPLOYEE LOYALTY IN TRANSITION ECONOMY, SERBIA, Total Quality Management and Business Excellence, 23 (5-6) (2012) 719-729.
35. Biočanin R., Stefanov S., Urošević S., Mekić S., MODELING OF POLLUTANTS IN THE AIR IN TERMS OF FIRE ON DUMPS, Journal Ecological Chemistry and Engineering S, 19 (4) (2012) 609-616.
36. Arsic, M., Nikolic, Dj., Mihajlovic, I., Zivkovic, Z., Djordjevic, P. Monitoring of Ozone Concentrations in the Belgrade Urban Area, Journal of Environmental protection and ecology, 13 (4) (2012) 2057
37. Mihajlović, I., Štrbac, N., Đorđević, P., Mitovski, A., Nikolić, Đ., Živković, Ž. (2012). Optimum conditions for copper extraction from the flotation waste using factorial experimental design. Environment Protection Engineering, 38(4): 171-184.
38. Riznić, D. T., Kovačić B. J. : „Water Temperature Adjustment in Spas by the Aid of Heat Pump“ THERMAL SCIENCE, 16 (4) (2012) 1127-1136;
39. Voza Danijela, Milovan Vuković, Lisa Carlson and Dragoljub B. Đorđević. International Water Conflict and Cooperation: The Role of Power Relations among Riparians, International Journal of Humanities and Social Science 2 (11) (2012) 56-66.
40. Prvulovic, S., Tolmac, D., Nikolic, Dj., Matic, M. (2012), Possibilities of application of multicriteria decision making for the selection of irrigation systems, Metalurgia International 17 (4), 151-156.
41. I. Jovanović, P.S. Stanimirović, A blending problem in copper production. Environmental Modeling and Assessment, 17(5) (2012) 495-503.
42. D. Kocev, On weaker forms of relator Menger, relator Rothberger and relator Hurewicz properties, Filomat, 26 (3) (2012) 427-437.
43. Brodić, D., Methodology for the evaluation of the algorithms for text segmentation based on errors type. Przegląd Elektrotechniczny, 88 (1b) (2012) 259-263.
44. Brodić, D., Extended Approach to Water Flow Algorithm for Text Line Segmentation. Journal of Computer Science and Technology (2012), 27 (1) (2012) 187-194.
45. Brodic, D., Milivojevic, Z. N.; Milivojevic, D. R. Approach to the Improvement of the Text Line Segmentation by Oriented Anisotropic Gaussian Kernel. Elektronika Ir Elektrotehnika, 118(2) (2012) 89-94.

46. Brodić, D.; Milivojević Z. Estimation of the Handwritten Text Skew Based on Binary Moments. *Radioengineering*, 21 (1) (2012) 162-169.
47. Milivojevic, Z. N.; Milivojevic, M.; Brodic, D. The Effects of the Acute Hypoxia to the Fundamental Frequency of the Speech Signal. *Advances in Electrical and Computer Engineering*, 12(2) (2012) 57-60
48. Radetic, R.; Milivojevic, D. R.; Pavlov, M; Brodic, D. One Way of Output Voltage Hold Circuit Improvement at Low Resistance Comparator. *Journal of Electrical Engineering - Elektrotechnický časopis* (2012), vo.63(4), pp. 266-269.
49. Brodić, D.; Milivojević D. R., An Algorithm for the Estimation of the Initial Text Skew. *Information Technology and Control*, 41 (3) (2012) 211-219.
50. Lazarevic Andjela, Lazarevic Dragoljub, Damnjanovic Zvonko, Mladenovic-Ranisavljevic Ivana (2012) Prototype expert system for prediction of plasma cutting process parameters, *TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM*, 7 (3) (2012) 1331-1334.
51. Lj. Takić, L. Mladenović-Ranisavljević, M. Vuković, I. Mladenović – Evaluation of the Ecochemical Status of the Danube in Serbia in Terms of Water Quality Parameters, *The Scientific World Journal: Environment*, (2012): 1-6.
52. Maluckov Č A, Radović M K, Karamarković J P. The convolution statistical model of the breakdown voltage in nitrogen at 20 mbar, *Radiation Effects and Defects in Solids, Incorporating Plasma Science and Plasma Technology*, Volume 167, Issue 12, 2012, 913-920.

## **M24 – 15**

1. Zoran Marković, Dragan Milanović, Vesna Ljubojev: MINERALOGICAL, CHEMICAL AND PHYSICAL CHARACTERIZATION OF COPPER ORE FROM THE DEPOSIT “SOUTH MINING DISTRICT“ COPPER MINE MAJDANPEK. *Rudarski radovi/ Mining Engineering*, 3 (2012) 25-32.
2. Milićević Ž., Petrović D., Svrkota I, Moguća rešenja promene metode podetažnog zarušavanja radi poboljšanja efekata otkopavanja rudnih ležišta. *Rudarski Radovi – Mining Engineering*, 4 (2012) 51-62.
3. N.Vušović, I.Svrkota, Z.Vaduveskovic: Spatial reference systems, *Rudarski radovi – Mining Engineering* 3 ( 2012) 157-170,
4. Kržanović D., Žikić M., Pantović R., Bitno poboljšanje iskorišćenja raspoloživih geoloških rezervi ležišta Južni revir Majdanpek u novo definisanoj optimalnoj konturi kopa primenom softverskih paketa Whittle i Gemcom, *Rudarski radovi*, 1 (2012), 21-36
5. Obradović, S., Fedajev, A., Nikolić, Dj., Analysis of Business Environment Using the Multi-Criteria Approach - Case of Balkan's Transition Economies, *Serbian Journal of Management*, 7(1) (2012) 37-52.
6. Mladenović - Ranisavljević, I., Takić, Lj., Vuković, M., Nikolić, Dj., Živković, N., Milosavljević, P., Multicriteria Ranking of the Danube Water Quality on its Course Through Serbia, *Serbian Journal of Management*, 7(2) (2012) 299-307.
7. Mihajlović, I., Živković, Ž., Nikolić, Dj., Adaptation of the HP LIFE program for promotion of the entrepreneurship among young people, *Serbian Journal of Management*, 7(2) (2012) 321-325.

8. Vuković, M., Voza D., Riznić D., Pogranicje istočne i jugoistočne Srbije u štampanim medijima nacionalnog značaja - Borderlands of eastern and south-eastern Serbia in the printed media of national importance, *Teme*, 4 (2012) 1455-1473.
9. Jaroslav Dado, Janka Taborecka Petrovicova, Sreten Cuzovic, Tamara Rajic, An Empirical Examination of the Relationships between Service Quality, Satisfaction and Behavioral Intentions in Higher Education Setting, *Serbian Journal of Management*, 7 (2) (2012) 34-37.
10. Milica Arsić, Nenad Milijić, Dragana Živković, Djordje Nikolić, Živan Živković, The analysis of scientific-research work of group of technical faculties of Belgrade University in the post-accreditation period, *Serbian Journal of Management*, 7 (1) (2012) 9-24
11. Rodoljub Stanojlović, Zoran Štirbanović, Jovica Sokolović, Novi tehnološki postupak za održivu preradu rudarskog tehnogenog otpada, *Rudarski radovi – Mining engineering*, 1 (2012) 61-88.
12. Miodrag Miljković, Rodoljub Stanojlović, Jovica Sokolović, Safety and deformation characteristics of stopping materials in mines, *Mining Engineering (Rudarski radovi)*, 2 (2012) 21-28.
13. Igor Svrkota, Vitomir Milić, Nenad Vušović, Dejan Petrović Considerations the possibilities for mining the remaining ore reserves in the ore body “Tilva Ros” in the Jama Bor mine, *Rudarski Radovi – Mining Engineering*, 1 (2012) 55 – 60.
14. Vitomir Milić, Igor Svrkota, Dejan Petrović, Phase development of the Borska Reka ore body, *Rudarski Radovi – Mining Engineering*, 1 (2012) 97 – 104.
15. D. Kržanović, M. Žikić, R. Pantović: Important improvement of utilization the available geological reserves of the south mining district deposit in Majdanpek in the new defined optimum contour of the open pit using the Whittle and Gemcom softwares, *Rudarski radovi* 1 (2012) 29-36

## **M27 – 1**

**1. Guest-Editors:** W.Zakulski, D.Živković in *Journal of Mining and Metallurgy, Section B: Metallurgy*, 48 (3) B (2012) 325-489. (ISSN 1450-5339) IF(2011)=1.317 (JCR:14/75)  
 Link: <http://www.jmmab.com/index.php/contents/vol-48-3-b-2012>

## **M28 – 1**

**1. D.Živković, Ž.Živković - *Journal of Mining and Metallurgy, Section B: Metallurgy***  
 (ISSN 1450-5339) IF(2011)=1.317 (JCR:14/75)  
 Link: <http://www.jmmab.com/index.php/editors>

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## **2. Publikovani radovi u nacionalnim časopisima i ostali rezultati kategorije M50:**

**Σ = 58**

## **M51 – 19**

1. Dević Snežana, M. Logar, M. Cocić, Mineralogical character of loess fragments from clay used in the brick industry', *Interceram, Raw Materials Worldwide*, 61 (2012) (4), 184-185

2. N. Talijan, V. Čosović, A. Čosović, D. Živković, Processing and Properties of Silver-Metal Oxide Electrical Contact Materials, *Metallurgical & Materials Engineering*, 18(4) (2012) 259-272.
3. Živković, D., Štrbac, N., Sokić, M., Andrić, V., Anđelić, B., Jovanović, I., Jovičić, M., Nikolić, D., Physico-chemical characterization of archaeometallurgical findings from two localities near Bor (Serbia), *Metallurgical and Materials Engineering* 18 (2) (2012) 159-164.
4. M. Sokić, I. Ilić, Z. Gulišija, N. Štrbac, Termodinamički aspekt mogućnosti reciklaže metaličnih sekundarnih sirovina, *Journal of engineering & processing management*, 4 (1) (2012) 73-84.
5. D. Živković, A. Mitovski, Ž. Živković, Quantitative indicators of scientific and research work in knowledge management at high educational institutions – case study: University of Belgrade, Technical Faculty in Bor (Serbia), *Journal of Trends in the Development of Machinery and Associated Technology*, 16 (1) (2012) 127-130
- 6.D. Nestorović, D.D. Marković, Lj.S. Ivanić, S.Lj. Ivanov, Anneal Hardening Effect in a Cast CuAl4Zn4 Alloy Dependence on Thermomechanical Treatment, *Journal of Trends in the Development of Machinery and Associated Technology*, 16 (1) (2012) 47-50.
7. I. Marković, S. Nestorović, D. Gusković, Lj. Ivanić, The Influence of Deformation Degree on the Anneal Hardening Effect in a Cast Cu-4at% Au Alloy, *Journal of Trends in the Development of Machinery and Associated Technology*, 16 (1) (2012) 67-70.
8. S. Nestorović, I. Marković, D. Marković, Influence of Thermomechanical Treatment on the Properties of Sintered Cu-4at% Au Alloy, *Journal of Trends in the Development of Machinery and Associated Technology*, 16 (1) (2012) 63-66.
9. Mirjana Rajčić-Vujasinović, Zoran Stević, Sanja Bugarinović, Electrochemical Characteristics of Natural Mineral Covellite, *Open Journal of Metal*, 2 (2012) 60-67.
10. Serbula Snezana M., Kalinovic Tanja S., Ilic Ana A., Kalinovic Jelena V. Assessment of air pollution using plant material, *Journal of Trends in the Development of Machinery and Associated Technology*, 16 (1) (2012) pp. 151-154.
11. Urošević S., Milijić N., Influence of demographic factor on emoloyee satisfaction and motivation, *Journal of Management, Information Systems and Human Resources*, 45 (4) (2012) 174-182.
12. Đorđević D., Urošević S., Miljković M., Stamenković M., Zaštita pamučnih tkanina protiv zapaljivosti, *Zaštita materijala*, 2 (2012) 143-149.
13. Urošević S., Preconditions of Serbian textile industry copetitiveness and prosperity, *Annals of the University of Oradea fascicle of textiles, leatherwork*, XIII, No 2 (2012) 39-44.
14. Urošević S., Kokeza G., Korporativna društvena odgovornost preduzeća prehrambene industrije u Republici Srbiji, *Glasnik hemičara, tehnologa i ekologa Republike Srpske, Tehnološki fakultet, Univerzitet u Banjaluci, BiH*, 7 (2012) (2012) 49-55.
15. Urošević S., Razvoj karijere i uspeh u karijeri, *Novi Ekonomist*, VI (12) (2012) 43-47.
16. Urošević S., Product design as a contribution to successful marketing and business in the companies of the textile industry, *Tekstil i obleklo*, LX, 3 (2012).69-78.

17. Voza, Danijela i Milovan Vuković. „Turistička atraktivnost arheološkog lokaliteta Feliks Romulijana.“ Glasnik Srpskog geografskog društva XCIII, br. 3 (2012): 157-182
18. Dubravka Nikolovski, Ljubica Konstantinovic, Zoran Stevic. Thermography of Laser Treatment at Zusanli Acupuncture Point. The World Academic Publishing, Co. Limited, Hong Kong: Journal of Chinese Medicine Research and Development (JCMRD), Volume 1, Issue 1 April. 2012 pp. 12-15., ISSN: 2303-9353
19. Biljana S. Maluckov, Corrosion of steels induced by microorganisms, Metallurgical & Materials Engineering, Vol. 18, No 3. 2012, pp. 223-231.
20. Savić Marija, Đorđević Predrag, Nikolić Đorđe, Mihajlović Ivan, Živković Živan, Combination of knowledge in the system suppliers - MSP - customers in the transitional economy environment in Serbia. Journal of Applied Engineering Science, 10 (4) (2012) 227-233.

## **M52 – 26**

1. S. Nestorović, I. Marković, Environmental Impact of Powder Metallurgy and its Advantages, Ecologica, 19 (65) (2012) 25-29
2. Urošević S., Pejčić B., Savremene tendencije upravljanja otpadom i razvoj reciklaže kao industrijske grane, Ecologica, 66 (XIX) (2012) 270-275.
- 3.D. Riznić, M. Manić i A. Krstić: Nove strategije ekološko-ekonomskog rasta i modeli rangiranja i komparacije dobavljača, Ecologica, 19 (66) (2012) 237-243.
4. D. Riznić, B. Antonić, O. Smieško: Socijalni marketing i njegov doprinos novim strategijama ekološko-ekonomskog rasta, Ecologica, 19 (67) (2012) 505-511.
5. D. Riznić, T. Rajić: The creation of sustainable competitive advantage in marketing, Economics, Management, Information and Technology – EMIT, 1 (1) (2012) 30-40.
6. Kokeza G. Urošević S., Bugarski B., Milojević M., Značaj primene sistema za unapređenje bezbednosti hrane u održivoj prehrambenoj industriji, Ecologica, 67 (XIX) (2012) 501-504.
7. Vaduvesković, M. Živković, N. Vušović, D. Stevanović, M. Jovanović: Dugoročno planiranje eksploatacije na površinskom kopu Cerovo kod Bora, Tehnika-rudarstvo, geologija i metalurgija 63(2012) 5, str. 729 – 734.
8. Dejan Tanikić, Miodrag Manić, Dalibor Đenadić, Saša Randelović, Jelena Milovanović, Petar Đekić, Metali i legure u funkciji biomaterijala, Vojnotehnički glasnik/The Military Technical Courier Vol. 60, No. 2, 2012., pp. 202-215
- 9 S. Dević, M. Cocić, Mikroskopski prikaz erozije maghromitne vatrostalne opeke livnog lonca usled dejstva troske, Zaštita materijala – Materials protection, Godina LIII, Bg, (2012) 3, 221-224
10. M. Mitovski, A. Mitovski, Mogućnost korišćenja sekundarne energije, nakon izgradnje "nove", topionice bakra, za proizvodnju električne i toplotne energije, Tehnika RGM, 63(3)(2012).
11. S. Mladenović, Lj. Ivanić, S. Marjanović, S. Ivanov, D. Gusković, Ispitivanje strukturnih i mehaničkih osobina legura sistema Cu-Al u livenom i termički obrađenom stanju, Bakar 37 (2) (2012) 11-20

12. D. Stanković, V. Conić, Z. Stanojević Šimšić, S. Ivanov, Z. Vaduvesković, V. Krstić, J. Petrović, Fizičko hemijske karakteristike piritnog i polimetalnog koncentrata Ginduša i Tenka, Bakar 37 (2) (2012) 55-62
13. Lj. Balanović, D. Živković, D. Manasijević, I. Marković, N. Talijan, V. Čosović, B. Marjanović, Structural and mechanical properties of some aluminum-based binary alloys, Bakar, 37 (1) (2012) 79-86
14. Vesna Grekulović, Mirjana Rajčić-Vujasinović, Radojica Grekulović, Adsorpcija amonijum jona i jona magnezijuma na prirodnom zeolitu, Ecologica, 65 (2012) 56-59
15. Štrbac, N., Mitovski, A., Mihajlović, I., Vuković, M., Sokić, M., Andrić, V. (2012). Mogućnosti prerade nestandardnih koncentrata bakra i zaštite životne sredine, Ecologica XIX (66), pp. 375-383.
16. Ranisavljević, P., Štrbac, N., Takić, LJ., Mladenović-Ranisavljević, I., Mladenović, M., Živković, Ž. (2012). Strategije upravljanja u oblasti zaštite životne sredine, Ecologica XIX (66), pp. 133-137.
17. Mitovski, A., Sokić, M., Štrbac, N., Živković, D., Balanović, LJ. (2012) Aktuelne metode dobijanja metala iz elektronskog otpada, Ecologica XIX (65), pp. 30-36
18. N.Štrbac, I.Jevdjić, M.Vuković, D.Živković, Z.Damnjanović, Značaj ekološkog obeležavanja proizvoda, Ecologica, 67 (19) (2012) 491-496.
19. M.D. Dimitrijević, M.M. Nujkić, S.M. Milić, Obrada kiselih rudničkih voda krečom, Bakar, 37 (2012): 45 – 56
20. M.D. Dimitrijević, Kisele rudničke vode, Bakar, 37 (2012): 33 – 44.
21. Slađana Č. Alagić, Dejan T. Riznić, Biljana S. Maluckov, In situ bioremedijacijske tehnologije za zemljišta zagađena PAH-ovima, Ecologica, 19 (66), 2012 pp. 416-420
22. Dimitrijević D. M., Alagić Č. S. PASIVNI TRETMAN KISELIH RUDNIČKIH VODA/PASSIVE TREATMENT OF ACID MINE DRAINAGE. Bakar/Copper, 37(1) (2012) 57-68.
23. I. Jovanović, P. Đorđević, M. Savić, Primena Pareto analize u poslovnoj praksi – studija slučaja „Tigar tyres“ Pirot, Srbija, Ekonomika, 2 (2012) 147-158.
24. Brodić, D.; Milivojević Z.; Šćopulović N. Upoređenje metoda za procenu ugla nagiba teksta, Bakar, vol.37(2), pp. 73-86.
25. Milivojević Z.; Brodić, D.; Sekulović N. Kritička analiza performansi modela audio klik impulsa. Bakar, vol.37(2), pp. 63-72.
26. Lj.M. Takić, I.I. Mladenović-Ranisavljević, V.D. Nikolić, Lj.B. Nikolić, M. Vuković, N.V. Živković – The Assessment of the Danube Water Quality in Serbia, Advanced Technologies, 1(1)(2012): 58-66.

## **M53 – 10**

1. Milan Trumić, Maja Trumić, Grozdanka Bogdanović, Postupci reciklaže plastičnog otpada sa posebnim osvrtom na mehanički tretman, Reciklaža i održivi razvoj, 5 (1) (2012) pp. 39-52.
2. N. Štrbac, M. Vuković, D. Voza, M. Sokić, Održivi razvoj i zaštita životne sredine, Reciklaža i održivi razvoj, 5(1)(2012): 18-29.

3. Biljana S. Maluckov, Biofilmovi i korozija čelika, Hemijski pregled, 53(5) pp.119-123
4. Nikolić, R., Fedajev, A., Mihajlović, I., Macroeconomic stability in Serbia during transition, Acta Oeconomica Universitatis Selye, 1 (2012), pp. 111-123.
5. Urošević S., Pejčić B., Kokeza G., Jačanje kompetencija ljudskih resursa u cilju smanjenja nezaposlenosti, Ekonomski vidici, XVII, broj 3, 2012. str.421-436.
6. Kokeza G., Urošević S., Uloga inovativnosti u razvoju malih i srednjih preduzeća, Ekonomski vidici, XVII, broj 1, 2012. str. 37-48.
7. Petrović D., Svrkota I., Stojadinović S., Milić V., Pantović R., Milićević Ž. Rudno telo "Borska Reka", budućnost eksploatacije u Borskoj jami, Podzemni radovi 21 (2012). 1-7
8. V. Milic, I. Svrkota, D. Petrovic. Detrmination of polymetalic ore value. EMIT – Economic Management Information Technology (2012) Vol. 1. No 3, p 195-203

### **M56 – 3**

1. I.Mihajlović, Ž.Živković – *Serbian Journal of Management* Publisher: Technical faculty Bor, University of Belgrade, (2012) (ISSN 1452-4864)
2. Milan Trumić, Grozdanka Bogdanović, Časopis: Reciklaža i održivi razvoj, , Izdavač: Tehnički fakultet u Boru, Univerzitet u Beogradu, (2012) (ISSN 1920-7480)
3. Milan Trumić, Journal: Journal of Mining and Metallurgy-Section A: Mining, Publisher: Technical faculty Bor, University of Belgrade, (2012) (ISSN 1450-5359)

---

### ***3. Publikovane monografije i poglavlja u monografijama iz kategorija M10 i M40 + udžbenici:*** **$\Sigma = 8+9+6 = 23$**

---

### **M13 – 3**

1. S.M. Serbula, S.C. Alagic, A.A. Ilic, T.S. Kalinovic, J.V. Strojic, Particulate Matter Originated from Mining-Metallurgical Processes, (Chapter 4) in Particulate Matter: Sources, Emission Rates and Health Effects, Editors: Henrik Knudsen and Niels Rasmussen; Nova Science Publishers, US, New York. (2012), pp. 91-116, (ISBN: 978-1-61470-948-0).
2. J. Stevanović, R. Marković, B. Friedrich, M. Gvozdenović, S. Šerbula, (2012). Treatment of the Waste Sulphur Acidic Solutions Obtained in the Conventional Electrolytic Copper Refining Process using the Soluble Anodes- (Part A) in Advances in Materials Science Research. Volume 11, Editors: Maryann C. Wythers, New York, Nova Science Publishers US, Chapter 6, pp. 345-364, ISBN: 978-1-61470-594-9
3. J Stevanović, R. Marković, B. Jugović, Lj. Avramović, S. Šerbula, S. Pasalić, (2012). Treatment of the Waste Sulfur Acid Solution Obtained in the Standard Process of Copper Electrolysis using the Insoluble Anodes - (Part B) in Advances in Materials Science Research. Volume 11, Editors: Maryann C. Wythers, New York, Nova Science Publishers US, Chapter 7, 365-384., ISBN: 978-1-61470-594-9

### **M14 – 4**

1. Zoran Markovic: Sustainability of Mining Waste in Basin Bor, Chapter 12 in Monograph Environmental and food safety and security for South East Europe and Ukraine, Ed Ksenia Vitale 2012. Springer, pp 129 -136. ISBN 978-94-007-2955-1 (PB), ISBN 978-94-007-2952-0 (HB), ISBN 978-94-007-2953-7 (e-book), DOI 10.1007/978-94-007-2953-7
2. Dejan Tanikić, Vladimir Despotović, Artificial Intelligence Techniques for Modeling of Temperature in the Metal Cutting Process, in the book "Metallurgy - Advances in Materials and Processes" edited by Yogiraj Pardhi, ISBN 978-953-51-0736-1, InTech, DOI: 10.5772/47850, Chapter 7, pp. 153-176, Sept. 2012.
3. Zoran Stević, Ilija Radovanović, Energy Efficiency of Electric Vehicles, Book title: New Generation of Electric Vehicles, Edited by: Zoran Stević, Intech, Rijeka (2012), ISBN 978-953-51-0893-1
4. Brodić, D.; Milivojević, Z.; Tanikić, D.; Milivojević, D. R., An Approach for Tuning the Parametric Water Flow Algorithm based on ANN, Multi-disciplinary Trends in Artificial Intelligence, C. Sombatheera et al. (Eds.); Springer Verlag: Berlin Heidelberg, Germany, 2012; Lecture Notes in Computer Science/Artificial Intelligence, Vol.7694, pp. 1–12. ISBN: 978-3-642-35454-0; DOI: 10.1007/978-3-642-35455-7\_1

### **M18 – 1**

1. Zoran Stević, New Generation of Electric Vehicles, Intech, Rijeka (2012), ISBN 978-953-51-0893-1

### **M42– 4**

1. D. Minić, D. Manasijević, D. Živković, Definisiranje trojnih dijagrama stanja sa antimonom, Fakultet tehničkih nauka, Kosovska Mitrovica, 2012. ISBN 978-86-80893-41-9 COBISS.SR-ID 194049292
2. M.D. Dimitrijević, Oksidacija pirita i kisele rudničke vode, Tehnički Fakultet u Boru, 2012.
3. V. Vukelić, S. Vujović, M. Petrović, J. Vukelić, M. Vasković-Andelković, I. Petrović, S. Šerbula, N. Sekulić, M. Bobić; Globalnost transformacijskih procesa u Srbiji, Izdavač: Institut za sociološka istraživanja Filozofskog fakulteta u Beogradu 2012, Štampa: "Čigoja štampa" ISBN: 978-86-7558-897-9
4. Stefanović V., Vojnović B., Urošević S., „Menadžment ljudskih resursa, Strategije i konverze“, Institut za ekonomiku poljoprivrede, Beograd, 2012. ISBN 978-86-6269-013-5

### **M44 – 3**

1. T. Rajić, A. Fedajev, R. Nikolić, D. Riznić: „Toyotarity. quality of services assessment according to bost method“ Monography/Stanisław Borkowski, Manuela Ingaldi – Celje: Faculty of Logistics, University of Maribor, (2012) – 148p. Chapter 10, How quality, value and corporate image affect customer behavioral intentions: the case of serbian retail setting p. 109-123 — ISBN 978-961-6562-63-8
2. Voza, Danijela i Vesna Miltojević. "Vlaole (Majdanpek)." U Selo u pograničju istočne i jugoistočne Srbije, priredili Dragoljub B. Đorđević, Đura Stevanović i Dragan Todorović, 23–28. Beograd: Službeni glasnik i Zavod za proučavanje sela, 2012. ISBN 978-86-87067-11-0, ISBN 978-86-519-1213-2; COBISS.SR-ID 192619020



3. M. Vuković, I. Ilić Krstić – Topolovnik (Veliko Gradište), 13-33. Poglavlje u knjizi: Selo u pograničju istočne i jugoistočne Srbije (priredili: Dragoljub B. Đorđević, Đura Stevanović i Dragan Todorović), Službeni glasnik, Beograd, 2012. ISBN: 978-86-87067-11-0; 978-86-519-1213-2. COBISS.SR-ID 192619020.

## **M45 – 2**

1. Snežana M. Šerbula, Tanja S. Kalinović, Ana A. Ilić, Jelena V. Kalinović, “Kvalitet vazduha i distribucija aerozagađenja u Boru” u: Glokalnost transformacijskih promena u Srbiji, Autori knjige: Vuletić V., Vujović S., Petrović

2. M., Backović V., Vukelić J., Vesković-Andelković., Petrović I., Šerbula S., Sekulić N., Bobić M. “Čigoja štampa“, Institut za sociološka istraživanja Filozofskog fakulteta u Beogradu, Srbija, 2012., str. 161-176, (ISBN: 978-86-7558-897-9).

## **Udžbenici:**

1. Slađana Č. Alagić, *Toksikologija*, Osnovni udžbenik, Univerzitet u Beogradu, Tehnički fakultet, Bor, 2012. ISBN 978-86-80987-95-8.

2. Nikolić, R., (2012). *Troškovi u poslovnoj ekonomiji*, drugo izmenjeno i dopunjeno izdanje, Don Vas, Beograd.

3. Urošević, S., Nikolić, R., (2012). *Proizvodno poslovni sistemi*, Don Vas, Beograd.

4. Nikolić, R., (2012). *Menadžment prirodnih resursa*, Prirodno-matematički fakultet Niš, Niš.

5. Urošević S., “Razvoj karijere”, Univerzitet u Beogradu, Tehnički fakultet u Beogradu, ISBN 978-86-6305-001-3, Bor, 2012. (osnovni univerzitetski udžbenik)

6. Urošević S., Sajfert Z., “Menadžment ljudskih resursa”, Don Vas, Beograd, ISBN 978-86-87471-22-1, Beograd, 2012.

---

## **4. Saopšteni radovi i ostali rezultati kategorije M30:**

**$\Sigma = 161$**

## **M32 – 1**

1. D.Živković, Ž.Živković, K.C.Chou, Application of general solution model in estimating thermodynamic and other physical properties of multicomponent metal systems, 9<sup>th</sup> International Conference on Molten Slags, Fluxes and Salts - MOLTEN12, May 27-30, 2012, Beijing (China), Abstract Proceedings, pp. 32.

## **M33 – 123**

1. D. V. Antić; G. D. Bogdanović; M. M. Antonijević; V. Stanković, Removal of Copper Ions from Acid Mine Drainage Using Anthracite Coal. Proceedings of the XX International and Professional Meeting "Ecological Truth" Eco-Ist`12, Zaječar, Serbia, 30 May – 02 June 2012; University of Belgrade - Technical Faculty Bor 2012; pp. 272-279. (ISBN 978-86-80987-98-9)

2. Z. Marković; G. Bogdanović; D. Antić; Z. Štirbanović; B. Sokolović, Some Environmental Problems by Using Xanthates in Flotation. Proceedings of the XX International and Professional Meeting "Ecological Truth" Eco-Ist`12,

Zaječar, Serbia, 30 May – 02 June 2012; University of Belgrade - Technical Faculty Bor 2012; pp. 286-289. (ISBN 978-86-80987-98-9)

3. V.R. Gardić; S.D. Stanković; D.V. Antić; R.D. Hristova; K.L. Mitov; B.D. Blagojević, Role and Importance of Creation of a Pollutants Database from Industrial Waste in a Transboundary Aspect – Part I. Proceedings of the 5th International Conference Science and Higher Education in Function of Sustainable Development, Užice, Serbia, 04-05. October 2012; Business Technical College Užice 2012; pp. 4-10-4-13. (ISBN 978-86-83573-26-4)

4. Zoran S Markovic, Zoran Stirbanovic, Dragan Milanovic, and Magdalena Markovic, KINETICS STUDY ON OXIDIZED COPPER ORE FLOTATION FROM COPPER MINE VELIKI KRIVELJ. INTERNATIONAL MINERAL PROCESSING CONGRESS(IMPC) 2012 PROCEEDINGS / NEW DELHI, INDIA / 24 - 28 SEPTEMBER 2012 XXVI, ISBN 81-901714-3-7. Pp 03280-03286 (TR 33032 I 33007)

5. Miodrag Miljković, Rodoljub Stanojlović, Jovica Sokolović, Possibility of accident occurrence and endanger of environment, Proceedings of XX International Scientific and Professional Meeting „Ecological Truth“, Eco-Ist '12, ISBN 978-86-80987-98-9, 30 May - 02 June 2012, Zaječar, Serbia, (2012), pp. 518-527.

6. Rodoljub Stanojlović, Milan Trumić, Jovica Sokolović, Nikola Stančev, Flotation of useful components from the hydrocyclone underflow in the processing of rich copper ore in the Copper Mine Bor - unsustainable or sustainable technological innovation, Proceedings of 44<sup>th</sup> International October Conference on Mining and Metallurgy - IOC 2012, ISBN 978-86-7827-042-0, 1<sup>st</sup> - 3<sup>rd</sup> October 2012, Bor, Serbia, (2012), pp. 105-110.

7. Milan Trumić, Maja Trumić, Grozdanka Bogdanović, Dragan Randelović, Mine water management in the Balkan region, 2<sup>nd</sup> International Symposium of Natural Resources Management, Publisher: Faculty of Management, Megatrend University in Belgrade, Zaječar, May, Serbia, (2012), pp. 277-286 (ISBN: 978-86-7747-457-7)

8. Živorad Milićević, Vitomir Milić, Igor Svrkota, Dejan Petrović Mine design of ore body “T” in jama Bor underground mine. Proceedings of 44<sup>th</sup> International October Conference on Mining and Metallurgy 01 – 03 October 2012, Bor, Serbia p. 199-202.

9. M. Zikic, I. Janjeskovic, S. Stojadinovic, R. Pantovic, D. Krzanovic, Z. Vaduveskovic, The problems with the belt conveyor drive unit on the reconstructed boom spreader OU-1, 12th International Multidisciplinary Scientific GeoConference, www.sgem.org, SGEM2012 Conference Proceedings/ ISSN 1314-2704, June 17-23, 2012, Vol. 1, 905 – 10, DOI: 10.5593/sgem2012/s03.v1068

10. M. Žikić, M. Živković, S. Stojadinović, R. Pantović, D. Kržanović, Z. Vaduvesković, Achieved operational drilling speed of the Atlas Copco DML LP 1800 drills at Veliki Krivelj open pit mine, In: Proceedings, The 44<sup>th</sup> International October Conference on Mining and Metallurgy, October 1 – 3, Bor, Serbia, 2012, 207 – 10

11. S. Stojadinović, M. Žikić, R. Pantović, M. Denić, D. Kržanović, Z. Vaduvesković, Flyrock launch velocity insights, In: Proceedings, The 44<sup>th</sup> International October Conference on Mining and Metallurgy, October 1 – 3, Bor, Serbia, 2012, 211 – 4

12. D. Kržanović, M. Žikić, R. Pantović, N. Vušović, Increasing the capacity and reliability of the primary crushing system of ore at the open pit “Veliki Krivelj”, Serbia, 12th International Multidisciplinary Scientific GeoConference, www.sgem.org, SGEM 2012 Conference Proceedings/ ISSN 1314-2704, June 17-23, 2012, Vol. 1, 619 – 626, DOI: 10.5593/sgem2012/s03.v1068

13. D. Kržanović, M. Žikić, N. Vušović, R. Pantović, S. Stojadinović, Optimum development of the open pit South mining district in Majdanpek for annual capacity of copper ore mining of 8 500 000 t, In: Proceedings, The 44th International October Conference on Mining and Metallurgy, October 1 – 3, Bor, Serbia, 2012, 225 – 8
14. M. Grujić, M. Žikić, M. Grujić: Methods of increasing the reliability of belt conveyance systems in coal mines, The International Journal of Transport & Logistics, 169-171, BE RG Faculty TU Košice, Logistics Institute of Industry and Transport, Košice, Slovakia Faculty of Mining and Geology, Department of Haulage and Hoisting, Belgrade, Serbia, 18.-21. 09. 2012, ISBN 1451-107X
15. M. Banješević, N. Vušović, Z. Vaduvesković: Geological setting of Eastern part of the Timok Magmatic Complex: pre-, sin- and post-mineralization units. 44th International October Conference on Mining and Metallurgy, Proceedings, 2012. Serbia, p.45-48
16. Z. Vaduvesković, M. Živković, N. Vušović: Analysis of the possibility of mining complex Cerovo Kraku Bugaresku without relocation of railway infrastructure, In: Proceedings, The 44th International October Conference on Mining and Metallurgy, October 1 – 3, Bor, Serbia, 2012, 119 – 124
17. Vladimir Despotović, Norbert Görtz, Zoran Perić, Low-Order Volterra Long-Term Predictors, Proc. of the 10th ITG Conference on Speech Communication, The Institute for Communications Technology, Technical University of Braunschweig, ISBN: 978-3-8007-3455-9, Braunschweig, Germany, pp. 27-30, 26-28 Sept. 2012.
18. Vladimir Despotović, Norbert Görtz, Zoran Perić, Improved Non-Linear Long-Term Predictors based on Volterra Filters, 54th International Symposium ELMAR-2012, Croatian Society Electronics in Marine - ELMAR, ISSN: 1334-2630, Zadar, Croatia, 12-14 Sept. 2012, pp. 231-234.
19. Viša Tasić, Dragan R. Milivojević, Marijana Pavlov, Vladimir Despotović, Darko Brodić, Microcontroller based systems for peak load reduction, MIPRO 2012 Proceedings of the 35th International Convention, Croatian Society for Information and Communication Technology, Electronics and Microelectronics – MIPRO, ISBN: 978-1-4673-2577-6, 21-25 May 2012, Opatija, Croatia, pp. 919-923.
20. Viša Tasić, Dragan Milivojević, Vladimir Despotović, Darko Brodić, Marijana Pavlov, Improving Control System in the Sulfuric Acid Plant, ICEST 2012 Proceedings of the XLVII International Scientific Conference on Information, Communication and Energy Systems and Technologies, Faculty of Telecommunications Sofia, ISBN: 978-619-167-003-1, June 28-30, 2012, Veliko Tarnovo, Bulgaria, Vol. 2, pp. 573-576.
21. Viša Tasić, Dragan Milivojević, Vladimir Despotović, Darko Brodić, Marijana Pavlov, Vlada Miljković, DLadder – an Integrated Environment for Programming PIC Microcontrollers, ICEST 2012 Proceedings of the XLVII International Scientific Conference on Information, Communication and Energy Systems and Technologies, Faculty of Telecommunications Sofia, ISBN: 978-619-167-003-1, June 28-30, 2012, Veliko Tarnovo, Bulgaria, Vol. 2, pp. 577-580.
22. Saša Randelović, Dejan Tanikić, Dalibor Đenadić, Measurement of Mechanical Loads in Experimental Tool for Cold Extrusion, XI International SAUM Conference on Systems, Automatic Control and Measurement (ISBN: 978-86-6125-072-9), Niš 2012., pp. 294-298
23. Mileša Srećković, Zoran Latinović, Dragan Knežević, Đurđe Milanović, Zoran Stević, Sanja Jevtić, Željka Tomić, Dragan Družijanić, II International Conference "ECOLOGY OF URBAN AREAS 2012", 15th October 2012, Zrenjanin, Serbia, 357-366. ISBN 978-86-7672-172-6

24. Z. Stević, M. Rajčić-Vujasinović, S. Bugarinović, D. Nikolovski, V. Grekulović, M. Tripunović, Программные и аппаратные средства для импедансных исследований электрохимических и биоэлектрохимических процессов, Труды, XIII Международной научно-практической конференции Современные информационные и электронные технологии, Odessa, Ukraina, 4-8 jun 2012, 51. ISBN 978-966-2666-01-4
25. M. Tripunović, Z. Stević, N. Reljin, A. Nikolovski, I. Radovanović, Vehicle homologation – development of domain ontologies, Proceeding, XIIIth International scientific-practical conference, Modern information and electronic technologies, Odessa, Ukraine, 4-8 jun 2012, 102. ISBN 978-966-2666-01-4
26. A. Nesić, Z. Stević, S. Veličković, D. Antonović, Polyelectrolyte complexes of chitosan and poly(itaconic acid) as proton exchange membranes for direct methanol fuel cells, Proceeding, XIIIth International scientific-practical conference, Modern information and electronic technologies, Odessa, Ukraine, 4-8 jun 2012, 298. ISBN 978-966-2666-01-4
27. S. Šešlija, J. Stevanović, Z. Stević, S. Veličković, Electrical behavior of pectin hydrogels, Proceeding, XIIIth International scientific-practical conference, Modern information and electronic technologies, Odessa, Ukraine, 4-8 jun 2012, 299. ISBN 978-966-2666-01-4
28. Nikolovski Dubravka, Stević Zoran, Dimitrijević Dragan. Thermography Monitoring of Kinesio Taping Therapy – 3 Case Studies. 27th Kinesio Taping Association International Research Symposium. Presentation Review. Kinesio Taping Association International, Albuquerque, September 20, 2012, Dusseldorf, Germany, p: 4. ISBN: 978-0683016703
29. Snežana Dević, Mira Cocić, 'Podrška mineraloške karakterizacije aplikovanju materijala u građevinskoj i keramičkoj industriji', Četvrti internacionalni naučno-stručni skup GRAĐEVINARSTVO-NAUKA I PRAKSA, Žabljak, 20-24. Februara 2012, 73-78, ISBN 978-86-82707-21-9, COBISS.CG-ID 19893008
30. Mira Cocić, Mihovil Logar, Milica Pošarac, Branko Matović, Tatjana Volkov - Husović, Snežana Dević, Nenad Vušović, 'Thermal shock properties of glass ceramics synthesized from a glass frit', 44rd International October conference on mining and metallurgy, Bor, 1-3 october (2012), 33-39, ISBN 978-86-7827-042-0
31. Snežana Dević, Mira Cocić, Mihovil Logar, Suzana Erić, 'Using the electronic microscope in the identification minerals as a function of mineral supplement premix mixtures for animal feed', 44rd International October conference on mining and metallurgy, Bor, 1-3 october (2012), 55-59, ISBN 978-86-7827-042-0
32. B.Marković, D.Živković, D.Manasijević, N.Talijan, M.Sokić, V.Ćosović, Investigation of phase equilibria and characterization of the alloys in the CuNi-Bi section of the Bi-Cu-Ni system, 20<sup>th</sup> International Congress of Chemical and Process Engineering - CHISA 2012, 25-29 August 2012, Prague (Czech Republic), CD-ROM of full texts: files/0280 (6 pages – P1.86, Ser.No 0280), ISBN 978-80-905035-1-9, www.chisa.cz/2012
33. D.Živković, V.Stanković, B.Nikolić, M.Antonijević, V.Nikolić, G.Bogdanović, D.Miljković, Investigation of the characteristics of river Timok waters in the vicinity of Zaječar (Serbia), 2<sup>nd</sup> International Symposium on Environmental and Flow Materials Management - EMFM12, 7-9 June 2012, Zenica (BiH) pp.139-143. (Ed.by Š.Goletić, D.Živković) ISBN-978-9958-617-46-1
34. Lj.Balanović, L.Gomidželović, D.Živković, D.Manasijević, A.Kostov, Ž.Živković, Calorimetric investigation of some Ga-based binary systems, 9<sup>th</sup> Scientific/Research Symposium with international participation, "METALLIC AND NONMETALLIC MATERIALS: production-properties-application", 23-24 April 2012, Zenica (BiH), Zbornik radova/Proceedings (elektronsko izdanje), pp.131-138. (Urednik: S.Muhamedagić), ISBN 978-9958-785-26-9

35. D. Živković, Y. Du, Lj. Balanović, D. Manasijević, D. Minić, N. Talijan, Thermodynamic study of ternary Al-Mg-Zn system, 12<sup>th</sup> International Foundrymen Conference "Sustainable Development in Foundry Materials and Technologies", 24-25 May 2012 Opatija (Croatia), Proceedings Book (Ed. by N. Dolić, Z. Glavaš, Z. Zovko Brodarac), pp. 512-517. ISBN 978-953-7082-14-7
36. V. Čosović, A. Čosović, D. Živković, A. Kostov, N. Talijan, the influence of SnO<sub>2</sub> nano particles and method of their introduction on microstructure and properties of Ag-SnO<sub>2</sub> electrical contacts, ), 16<sup>th</sup> International Research/Expert Conference "Trends in the development of Machinery and Associated technology" TMT2012, Dubai (UAE), 10-12 September 2012, pp. 147-150, ISSN-1840-4944
37. D. Živković, T. Holjevac Grgurić, D. Čubela, A. Kostov, M. Gojić, Š. Kožuh, Thermodynamics of Cu-Al-(Ag, Au) shape memory alloy systems, 44<sup>th</sup> International October Conference on Mining and Metallurgy, 1-3 October 2012, Bor (Serbia), Proceedings, pp. 457-460, Editors: A. Kostov, M. Ljubojev, ISBN: 978-86-7827-042-0.
38. L. Gomidželović, I. Mihajlović, A. Kostov, D. Živković, Analytic approach to thermodynamic research of Cu-Al-Zn alloys, 44<sup>th</sup> International October Conference on Mining and Metallurgy, October 2011, Bor, Serbia, Proceedings pp. 297 – 302. (ISBN 978-86-7827-042-0)
39. L. Gomidželović, A. Kostov, D. Živković, E. Požega, V. Krstić, Cu-Al-Zn system: Comparative calculation of thermodynamic properties in liquid phase, 44<sup>th</sup> International October Conference on Mining and Metallurgy, October 2011, Bor, Serbia, Proceedings pp. 303 – 308. (ISBN 978-86-7827-042-0)
40. C. Chen, Y. Wang, T. Xu, J. Long, Y. Du, D. Živković, Thermodynamic calculations of the Al-C-W and Al-C-Ni systems, 44<sup>th</sup> International October Conference on Mining and Metallurgy, 1-3 October 2012, Bor (Serbia).
41. M. Pavlović, V. Čosović, N. Talijan, D. Živković, M. Pavlović, R. Aleksić, Electrical conductivity of 24ignocelluloses composites loaded with chemically deposited silver powders, 44<sup>th</sup> International October Conference on Mining and Metallurgy, 1-3 October 2012, Bor (Serbia).
42. A. Kostov, A. Milosavljević, R. Todorović, D. Živković, V. Krstić, XRD determination of phases in shape memory alloys obtained by up-cast method, 44<sup>th</sup> International October Conference on Mining and Metallurgy, IOC2012, Proceedings, October 1-3, 2012, Bor, Serbia, pp. 529-532, Editors: A. Kostov, M. Ljubojev, ISBN: 978-86-7827-042-0.
43. M. Premović, D. Minić, D. Manasijević, D. Živković, A. Kostov, V. Čosović, Experimental investigation and thermodynamic calculations of the Al-Cu-Sb phase diagram, 44<sup>th</sup> International October Conference on Mining and Metallurgy, IOC2012, Proceedings, October 1-3, 2012, Bor, Serbia, pp. 543-548, Editors: A. Kostov, M. Ljubojev, ISBN: 978-86-7827-042-0.
44. Sokić, M., Marković, B., Živković, D., Kamberović, Ž., Štrbac, N., Matković, V., Vuković, M. (2012). Kinetic investigation of chalcopyrite concentrate leaching by sodium nitrate and sulphuric acid. The 44th International October Conference on Mining and Metallurgy, 1-3. October 2012. Bor, Serbia. Proceedings IOC 2012, 427-432, ISBN: 978-86-7827-042-0
45. Štrbac, N., Mihajlović, I., Mitovski, A., Živković, Ž., Nikolić, Đ. (2012). Modeling the process of copper extraction from the non-standard raw materials using factorial experimental design. The Fifth International Symposium of Industrial Engineering, Jun 14-15. 2012, Belgrade, Serbia, Proceedings SIE 2012, pp. 165-168. ISBN: 978-86-7083-758-4
46. Sokić, M., Marković, B., Matković, V., Živković, D., Štrbac, N. (2012). Investigation of chalcopyrite concentrate leaching by hydrogen peroxide and sulphuric acid solution. The 2nd International Symposium on Environmental and

Material Flow Management, 07-09. June 2012. Zenica, BiH, Proceedings EMFM 2012, pp. 103-107, ISBN: 978-9958-617-46-1.

47. Sokić, M., Gulišija, Z., Ilić, I., Mihailović, M., Štrbac, N. (2012). Sources and balancing of copper secondary raw materials, Second International Symposium on Natural Resources Management, 24-25. May 2012, Zaječar, Serbia, Proceedings, pp. 93-101, ISBN: 978-86-7747-457-7.

48. M. Sokić, Z. Gulišija, I. Ilić, M. Mihailović, N. Štrbac, Sources and balancing of copper secondary raw materials, 2<sup>nd</sup> International Symposium on Natural Resources Management, Ed.: R. Jovanović, Zaječar, 24.-25. maja 2012, 93-101. ISBN 978-86-7747-457-7

49. M.Sokić, B.Marković, V.Matković, N.Štrbac, D.Živković, J.Stojanović, Passivation of sphalerite during the leaching in oxidative sulphuric acid solution, 20<sup>th</sup> International Congress of Chemical and Process Engineering CHISA 2012, Prag, 2012, CD-ROM of full texts: files/0301 (8 pages), ISBN 978-80-905035-1-9, www.chisa.cz/2012.

50. M. Gorgievski, D. Božić, V. Stanković, N. Štrbac, S. Dragulović, Wheat straw as an adsorbent for nickel ions adsorption from aqueous solutions, Proceedings, 44<sup>th</sup> International October Conference on Mining and Metallurgy, Bor, Serbia, (2012) 613-616, ISBN 978-86-7827-042-0.

51. D. Božić, M. Gorgievski, V. Stanković, N. Štrbac, S. Dragulović, Beech sawdust and wheat straw as natural adsorbents for the adsorption of zinc ions from synthetic solution, Proceedings, 44<sup>th</sup> International October Conference on Mining and Metallurgy, Bor, Serbia, (2012) 603-606, ISBN 978-86-7827-042-0.

52. D. Živković, Lj. Balanović, D. Manasijević, D. Minić, M. Premović, A. Kostov, A. Mitovski, Study on properties of low-Ag content Ag-Zn alloys, 12th International Foundrymen Conference, Opatija (Croatia), 24-26. May 2012, Proceedings book (CD with full papers), pp. 504-511, (ISBN 978-953-7082-14-7; Ed. N. Dolić, Z. Glavaš, Z. Zovko Brodarac; Publisher: Faculty of Metallurgy, University of Zagreb, Croatia).

53. Živković, D., Mitovski, A., Živković, Ž., Quantitative indicators of scientific and research work in knowledge management at high educational institutions - case study: University of Belgrade, Technical Faculty in Bor (Serbia), 16th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology", TMT 2012, Dubai, UEA, 10-12. September 2012, Proceedings, pp. 303-306, (ISSN 1840-4944; Ed. S. Ekinović, S. Yalcin, J. Vivancos Calvet, Publisher: University of Zenica, BiH).

54. V. Andrejić, A. Ivanović, M. Ćirković, A. Mitovski, Kinetic analysis of the chalcopryrite concentrate oxidation process, 44th International October Conference on Mining and Metallurgy, 1-3. October 2012, Bor, Serbia, Proceedings, pp. 317-320, (ISBN 978-86-7827-042-0; Ed. A. Kostov, M. Ljubojev; Publisher: Mining and Metallurgy Institute Bor).

55. M. Mitovski, A. Mitovski, M. Ćirković, The "new" copper smelter - future mini thermo power plant (MTPP), 44th International October Conference on Mining and Metallurgy, 1-3. October 2012, Bor, Serbia, Proceedings, pp. 491-496, (ISBN 978-86-7827-042-0; Ed. A. Kostov, M. Ljubojev; Publisher: Mining and Metallurgy Institute Bor).

56. M. Ćirković, M. Mitovski, V. Trujić, Ž. Kamberović, A. Mitovski, Waste minimization and reduction the environmental pollution using the heating system for electrostatic precipitators during long delays in the smelter in Bor – Serbia, 4th International Conference on Engineering for Waste and Biomass Valorisation, 10-13. September 2012, Porto, Portugal, Proceedings (Vol. 5), pp. 1489-1494, (ISBN: 979-10-91526-00-5; Ed. A. Nzihou, F. Castro; Publisher: Mines d'Albi Campus Jarlard, France).

57. S. Ivanov, D. Gusković, Lj. Ivanić, I. Marković, B. Marjanović, S. Mladenović, Investigation of the possibility to obtain single-phase boride layers on low carbon steel in electrolytic boriding, 44th International October Conference

on Mining and Metallurgy, 1-3 October 2012, Bor, Serbia, Proceedings, pp. 563-568, Editors: Ana Kostov, Milenko Ljubojev, Publisher: Mining and Metallurgy Institute Bor, ISBN: 978-86-7827-042-0; COBISS.SR –ID 186160908

58. E. Požega, S. Ivanov, Z. Stević, B. Marjanović, Investigation of Bi-Sb-Te-Se-Sn-Zr alloy structure, Part I, 44th International October Conference on Mining and Metallurgy, 1-3 October 2012, Bor, Serbia, Proceedings, pp. 433-436, Editors: Ana Kostov, Milenko Ljubojev, Publisher: Mining and Metallurgy Institute Bor, ISBN: 978-86-7827-042-0; COBISS.SR –ID 186160908

59. E. Požega, Z. Stević, S. Ivanov, L. Gomidželović, V. Krstić, Investigation of Bi-Sb-Te-Se-Sn-Zr alloy structure, Part II, 44th International October Conference on Mining and Metallurgy, 1-3 October 2012, Bor, Serbia, Proceedings, pp. 511-515, Editors: Ana Kostov, Milenko Ljubojev, Publisher: Mining and Metallurgy Institute Bor, ISBN: 978-86-7827-042-0; COBISS.SR –ID 193388812

60. D. Gusković, M. Rajčić Vujasinović, S. Marjanović, D. Marković, Lj. Ivanić, S. Ivanov, Electrodeposition of copper on cold rolled copper substrate from synthetic electrolyte without addition of organic additives at constant current density, 44th International October Conference on Mining and Metallurgy, 1-3 October 2012, Bor, Serbia, Proceedings, pp. 649-654., Editors: Ana Kostov, Milenko Ljubojev, Publisher: Mining and Metallurgy Institute Bor, ISBN: 978-86-7827-042-0; COBISS.SR –ID 18616090

61. S.D. Nestorović, D.D. Marković, Lj.S. Ivanić, S.Lj. Ivanov, Anneal Hardening Effect in a Cast CuAl4Zn4 Alloy Dependence on Thermomechanical Treatment, Proceedings pp. 131–134, 16th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2012, Dubai, UAE, 10-12 September 2012. Editors: S. Ekinović, S. Yalcin, J. Vivancos Calvet, Publisher: Faculty of Mechanical Engineering in Zenica, Zenica, B&H, Bahcesehir University Istanbul, Milhendislik Fakiiltesi, Turkey, Escola Tecnica Superior D'Enginyeria Industrial de Barcelona, Department d'Enginyeria Mecanica, Universitat Politecnica de Catalunya, Spain.

62. I. Marković, S. Nestorović, D. Gusković, Lj. Ivanić, The Influence of Deformation Degree on the Anneal Hardening Effect in a Cast Cu-4at%Au Alloy, 16 th International Research/Expert Conference „Trends in the Development of Machinery and Associated Technology", TMT 2012, Dubai, UAE, 10-12 Septemtrer 2012, Proceedings, p 163-166, ISSN 1840-4944, Publisher: Faculty of Mechanical Engineering in Zenica, Bahgesehir University Istanbul, Muhendislik Fakultesi, Turkey, Escola Tecnica Superior D'Enginyeria Industrial de Barcelona, Department d'Enginyeria, Mecanica, Universitat Politecnica de Catalunya, Spain, Editors: S.Ekinovic, S.Yalcih, J.Vivancos

63. S. Marjanović, D. Gusković, M. Rajčić-Vujasinović, S. Mladenović, Electrodeposition of copper on cold rolled copper substrate from electrolyte containing thiourea and gelatine, Proceedings of 44<sup>nd</sup> International October Conference, Mininig and Metallurgy Institute Bor, (2012) 659-662, ISBN 978-86-7827-042-0

64. I. Marković, S. Nestorović, D. Marković, D. Gusković, Mechanical properties and lattice parameter changes of cold worked, annealed Cu-Al alloy, Proceedings of 44<sup>nd</sup> International October Conference, Mininig and Metallurgy Institute Bor, (2012) 379-382, ISBN 978-86-7827-042-0

65. S. Nestorović, I. Marković, D. Gusković, Lj. Ivanić, D. Marković, Influence of thermomechanical treatment on the properties of a cast copper-gold alloy, Proceedings of 44<sup>nd</sup> International October Conference, Mininig and Metallurgy Institute Bor, (2012) 383-387, ISBN 978-86-7827-042-0

66. M. Rajčić-Vujasinović, V. Grekulović, S. Marjanović, D. Marković, D. Gusković, Electrodeposition of copper on cold rolled copper substrate from synthetic electrolyte without addition of organic additives at various curent density, Proceedings of 44<sup>nd</sup> International October Conference, Mininig and Metallurgy Institute Bor, (2012) 655-658, ISBN 978-86-7827-042-0

67. S. Mladenović, D. Manasijević, D. Marković, Lj. Ivanić, D. Minić, Structural and thermal properties of Sn-Zn-Bi lead free solder materials, 44 International October Conference, 557-562, 1-3 October Bor (2012), Publisher Mininig and Metallurgy Institute Bor, ISBN 978-86-7827-042-0
68. S. Nestorović, I. Marković, D. Gusković, Lj. Ivanić, D. Marković, The Influence of Temperature on the Anneal Hardening Effect in a Cast Cu-4at%Au Alloy, 12 th International Foundrymen Conference, Sustainable Development and Technologies, 24-25 May 2012 328-338 ISBN 978-953-7082-14-7
69. S. Nestorović, I. Marković, D. Marković, Influence Of Thermomechanical Treatment On The Properties Of Sintered Cu-4at%Au Alloy, 16 th International Research/Expert Conference „Trends in the 70. Development of Machinery and Associated Technology“, TMT 2012, Dubai, UAE, 10-12 Septemtrer 2012, Proceedings, p 159-162, ISSN 1840-4944, Publisher: Faculty of Mechanical Engineering in Zenica, Bahgesehir University Istanbul, Muhendislik Fakultesi, Turkey, Escola Tecnica Superior D'Enginyeria Industrial de Barcelona, Department d'Enginyeria, Mecanica, Universitat Politecnica de Catalunya, Spain, Editors: S.Ekinovic, S.Yalcih, J.Vivancos
71. Mirjana Rajčić-Vujasinović, D. Vujasinović, V. Grekulović, Copper and copper alloys in catalysis of reactions eliminating greenhouse gases, XX International Scientific and Professional Meeting „ECOLOGICAL TRUTH“ ECO-IST 12, University of Belgrade-Technical Faculty in Bor, Zajecar, Serbia, (2012), 211-215. ISBN 987-86-80987-98-9. COBISS. SR-ID 191154444
72. Vesna Grekulović, Mirjana Rajčić-Vujasinović, Batrić Pešić, Zoran Stević, Potentiostatic oxidation of AgCu50 alloy in alkaline solution with presence of benzotriazole, 44th International October Conference on Mining and Metallurgy, Bor, Serbia, Proceedings, Mining and Metallurgy institute Bor, (2012)589-594. ISBN 978-86-7827-042-0. COBISS. SR-ID 193388812
73. Silvana B. Dimitrijevic, Mirjana M. Rajcic-Vujasinovic, Radmila M. Jancic-Hajneman, Jelena B. Bajat, Vlastimir K. Trujic, Dejan D. Trifunovic, THE EFFECT OF ADDITIVE ON THE SURFACE ROUGHNESS OF DECORATIVE GOLD COATINGS, 44th International October Conference on Mining and Metallurgy, 1-3 October 2012, Bor, Serbia, Proceedings, 321-326
74. S. Dimitrijević, M. Rajčić-Vujasinović, R. Jancic-Hajneman, D. Trifunović, J. Bajat, V. Trujić, S. Alagić, NON-CYANIDE ELECTROLYTES FOR GOLD PLATING - A REVIEW OF RECENT DEVELOPMENTS, 20. International Scientific and Profesional Meeting Eco-Ist'12, Proceedings,30.05.-02.06.2012. Zaječar, Srbija, pp.194-199, ISBN 987-86-80987-98-9. COBISS. SR-ID 191154444
75. G. D. Bogdanović; Z. S. Marković; M. Ž. Trumić; D. V. Antić; M. S. Trumić; B. Milojević, Sedimentation of Suspended Particles from the Oily Industrial Waste Water. Proceedings of the XX International and Professional Meeting "Ecological Truth" Eco-Ist`12, Zaječar, Serbia, 30 May – 02 June 2012; University of Belgrade - Technical Faculty Bor 2012; pp. 280-285. (ISBN 978-86-80987-98-9)
76. Milan Radovanović, Marija Petrović, Ana Simonović, Snežana Milić, Milan Antonijević, Imidazole and its derivatives as inhibitors of copper corrosion in weakly alkaline media, 44<sup>th</sup> International October Conference on Mining and Metallurgy, IOC 2012 Proceedings, Editors:Ana Kostov, Milenko Ljubojev, Bor, Serbia, October 1-3, 2012, Publisher: Mining and Metallurgy Institute Bor, p. 599
77. D. Ljubić, M. Stamenović, J. Petrovic, J. N. Shera, O. Jovanović, M. Nujkić, Biodegradable Packaging from Polyethylene and Life-Cycle Assessment, XX International Scientific and professional Meeting “Ecological truth“ Eco-Ist“ 2012, str. 221
78. Viša Tasić, Biljana Maluckov, Renata Kovačević, Milena Jovašević-Stojanović, Marija Živković, Field Comparison of Continuous Particulate Matter Monitors for Measurement of Ambient Aerosols, Proceedings of XX



International Scientific and Professional Meeting, Ecological Truth, ECO-IST' 12, Hotel "Srbija TIS" Zaječar, 30 May – 02 June 2012, pp. 386 – 391.

79. Biljana Maluckov, Viša Tasić, Čedomir Maluckov, The influence of the low-frequent electromagnetic radiation on humans, Proceedings of XX International Scientific and Professional Meeting, Ecological Truth, ECO-IST'12, Hotel "Srbija TIS" Zaječar, 30 May – 02 June 2012, pp. 380 – 385.

80. Ana A. Ilic, Mirjana M. Steharnik, Snezana M. Serbula, Jelena V. Kalinovic, Tanja S. Kalinovic, The content of total sulphur in plant material and soil of birch and spruce in Bor and surroundings, 44<sup>th</sup> International October Conference on Mining and Metallurgy, IOC 2012 Proceedings, Editors: Ana Kostov, Milenko Ljubojev, Bor, Serbia, 1<sup>st</sup> to 3<sup>rd</sup> October 2012, Publisher: University of Belgrade, Technical Faculty in Bor and Mining and Metallurgy Institute Bor, pp. 709-712, (ISBN: 978-86-7827-042-0).

81. Tanja S. Kalinovic, Nevenka Petrovic, Snezana M. Serbula, Jelena V. Kalinovic, Ana A. Ilic. Effects of air pollution on heavy metal content in linden and pine, 44<sup>th</sup> International October Conference on Mining and Metallurgy, IOC 2012 Proceedings, Editors: Ana Kostov, Milenko Ljubojev, Bor, Serbia, 1<sup>st</sup> to 3<sup>rd</sup> October 2012, Publisher: University of Belgrade, Technical Faculty in Bor and Mining and Metallurgy Institute Bor, pp. 705-708, (ISBN: 978-86-7827-042-0).

82. Jelena V. Kalinovic, Snezana M. Serbula, Tanja S. Kalinovic, Ana A. Ilic, Content of heavy metals and sulphur in fruits sampled in vicinity of mining-metallurgical complex, 16<sup>th</sup> International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2012 Proceedings, Editors: S. Ekinović, S. Yalcin, J. Vivancos, Dubai, UAE, 10-12 September 2012, Publisher: Faculty of Mechanical Engineering in Zenica, Fakultetska 1, Zenica, B&H, pp. 367-370, (ISBN: 1840-4944).

83. Snezana M. Serbula, Tanja S. Kalinovic, Ana A. Ilic, Jelena V. Kalinovic, Assessment of air pollution using plant material, 16<sup>th</sup> International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2012 Proceedings, Editors: S.Ekinović, S.Yalcin, J.Vivancos, Dubai, UAE, 10-12 September 2012, Publisher: Faculty of Mechanical Engineering in Zenica, Fakultetska 1, Zenica, B&H, pp. 371-374, (ISBN: 1840-4944).

84. Ana A. Ilic, Snezana M. Serbula, Jelena V. Kalinovic, Tanja S. Kalinovic, Biomonitoring of heavy metal pollution near copper smelter in Bor (Serbia) using acacia, 16<sup>th</sup> International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2012 Proceedings, Editors: S. Ekinović, S. Yalcin, J. Vivancos, Dubai, UAE, 10-12 September 2012, Publisher: Faculty of Mechanical Engineering in Zenica, Fakultetska 1, Zenica, B&H, pp. 363-366, (ISBN: 1840-4944).

85. G. D. Bogdanović; Z. S. Marković; M. Ž. Trumić; D. V. Antić; M. S. Trumić; B. Milojević, Sedimentation of Suspended Particles from the Oily Industrial Waste Water. Proceedings of the XX International and Professional Meeting "Ecological Truth" Eco-Ist' 12, Zaječar, Serbia, 30 May – 02 June 2012; University of Belgrade - Technical Faculty Bor 2012; pp. 280-285. (ISBN 978-86-80987-98-9)

86. Djoković, J.M., R.R. Nikolić, "Behavior of an interfacial crack between the two layers in the stationary temperature field conditions", Proceedings of The First International Conference on Damage Mechanics, Belgrade, Serbia, 25 – 27 June 2012, pp. 105-108, ISBN 978-86-86115-09-6 (SCE); ISBN 978-86-7518-153-8 (FCE).

87. Nikolić, R.R., J.M. Djoković, J. Bujnak, V. Radović, "Plastic analysis of spatial frame structures", XXI Russian - Slovak - Polish Seminar, "Theoretical foundation of civil engineering", Moscow - Arkhangelsk 03.07 - 06.07. 2012, Warszawa, 2012, pp. 197-204, ISBN: 978-83-7814-021-4.

88. Radmilo Nikolić, Nenad Vušović, Aleksandra Fedajev, Igor Svrkota: Some business economy characteristics of copper mines bor company. Proceedings of 44th International October Conference on Mining and Metallurgy 01 – 03 October 2012, Bor, Serbia p. 203-206.
89. R.Nikolić, S.Urošević, A.Fedajev, I.Svrkota: Ecology and price politics. Proceedings of XX International Scientific and Professional Meeting „Ecological Truth – Eco – Ist ’12“, 30 May – 02 June 2012, Zajecar, Serbia, p.497-502.
90. Urošević, S., Nikolić, R., Fedajev, A., Pejčić, B. (2012). Collection and recycling of electronic and electrical waste in Serbia, 20th International Scientific and Professional Meeting "Ecological truth", University of Belgrade, Technical Faculty in Bor, Zaječar, Serbia, Proceedings, pp. 159-165, COBISS.SR-ID 191154444, ISBN 978-86-80987-98-9.
91. Riznić, D., Fedajev, A., Marjanović, P. (2012). Finansijska pismenost menadžera uslov kvalitetnih upravljačkih odluka, International conference Dependability and Quality Management, ICDQM -2012, Istraživački centar DQM, Belgrade, Serbia, Proceedings, pp. 528-535, COBISS.SR-ID 191715596, ISBN 978-86-86355-10-2.
92. Nikolić, R., Fedajev, A., Riznić, D., (2012). A new model of economic growth and development of Republic of Serbia, International Days of Statistics and Economics, The Department of Statistics and Probability and the Department of Microeconomics, University of Economics, Prague, The University of Economics, Faculty of Business Economics with seat in Košice, ESC Rennes International School of Business, Prague, Czech Republic, CD-ROM Proceedings, Paper No. 117, ISBN 978-80-86175-79-9.
93. Urošević S., „Inovativnost kao faktor uspešnosti i konkurentnosti poslovnih subjekata“, 9 th International conventional on quality YUSK 2012 with moto Quality for European and world integrations, Beograd, June 5th - June 07th, 2012. JUSK-Jedinstveno udruženje za kvalitet, ISBN 978-86-903197-9-4, UDK 658.5, str. 217-222.
- 94.Urošević S., Pejčić B., „Značaj razvoja ljudskih resursa za jačanje lokalnog ekonomskog razvoja“, 17. Međunarodni naučni skup Regionalni razvoj i demografski tokovi zemalja Jugoistočne Evrope, Niš, 22. juni 2012. Univerzitet u Nišu, Ekonomski fakultet, Zbornik radova, ISBN 978-86-6139-048-7, str.285-304.
- 95.Vukajlović Đ., Stamatović M., Urošević S., „Analiza o zadovoljstvu i motivaciji zaposlenih materijalnim i nematerijalnim motivacionim faktorima“, 2. Međunarodna konferencija “Učenje o preduzetništvu”, 28.jun, 2012. Novi Sad, Univerzitet u Novom Sadu, Tehnološki fakultet, Zbornik radova, ISBN 978-86-6253-005-9, str. 261-269.
- 96.Pejić S., Urošević S., Miljković D., „Air pollution influence on human health in Bor and Zajecar during the period since year 2007 until year 2010“, Ecological Truth, Eco-Ist 12, XX International Scientific and Professional Meeting 30.05-02.06.2012. Zajecar, Srbija, ISBN 978-86-80987-98-9, str. 631-636.
- 97.R. Cvejić, D. Riznić, T. Janovac: “The International business function in national economy development”, 2-nd International Conference, Economics and management-Based on New Technologies, EMoNT 2012, 14-17. 06. 2012, Vrnjačka Banja, Serbia. ISBN 978-86-6075-032-9. pp. 146-153.
98. D. Riznić, R. Nikolić, M. Manić: „Strategic marketing concept and the transformation process in mechanical industry“, 12<sup>th</sup> International Conference RaDMI 2012, "Research and Development in Mechanical Industry" 13-17. September 2012, Vrnjačka banja, Serbia, Zbornik radova Volume 1, str. 624-632, ISBN 978-86-6075-036-7.
- 99.D. Riznić, T. Rajić, M. Manić: “Control of marketing macrosystem, prerequisite to individual and common need fulfillment”, rad sa: 15<sup>th</sup> International Conference ICDQM-2012 „Dependability and Quality management“, 28-29 June 2012, Belgrade, Serbia, zbornik radova ISBN 978-86-86355-10-2, COBISS.SR-ID 191715596, str. 554-561.
- 100.M. Manić, D. Riznić, T. Rajić: „Marketing menadžment kao pokretačka sila u uslovima ekonomske krize“, XVII internacionalni naučni skup: "Strategijski menadžment i sistemi podrške odlučivanju u strategijskom menadžmentu",

Subotica - Palić 20. april 2012, Zbornik radova u elektronskoj formi ISBN 978-867233305-3, UDK 005.21:005.412; 658.8

101.V. Epifanić, D. Riznić: "Promene kao pristup, način i preduslov sprovođenja inovativnih marketing strategija u industriji", International scientific conference "Management 2012", 20-21 April (2012) god, Univerzitet UNION, Beograd, Elektronski Zbornik radova ISBN 978-86-84909-74-1, COBISS.SR-ID 190312716, str. 194-201.

102.D. Riznić, M. Vuković, A. Vuković: „Odnosi s javnošću i nova marketing strategija“, I Međunarodni naučni skup "Moć komunikacije 2012" Panevropski Univerzitet u Banjaluci-Apeiron, Beograd, 1-2 Jun 2012, Zbornik radova ISBN 978-99955-49-91-6, COBISS.BH-ID 2831896, str. 238-258, JEL M30.

103.Nenad Milijić, Aca Jovanović, Ivan Mihajlović, Analiza primene koncepta menadžmenta znanjem u projektnim organizacijama, XVI Internacionalni simpozijum iz projektnog menadžmenta YUPMA 2012 – brornik radova, (2012) 414-418; M33

104.Voza, Danijela. "Carnival Priveg – The Custom of the Vlachs in the Northeastern Serbia." In Religion, Religious and Folk Customs on the Border, edited by Dragoljub B. Đorđević, Danijela Gavrilović and Dragan Todorović, 179–184. Niš: Yugoslav Society for the Scientific Study of Religion, 2012. ISBN 978-86-86957-13-9, COBISS.SR-ID 191388428. UDK: 398.332 (497.11-18).

105.Arsić, M., Štrbac, N., Živković, Ž., Đurić, I. (2012). Air quality monitoring during the episodes of extremely high concentrations of O<sub>3</sub> - Bor, Serbia. 15th International Conference " Dependabilty and Quality Management", Belgrade, Serbia, 28-29 Jun 2012. Proceedings ICDQM-2012. pp.159-164. Izdavač - Publisher: Istraživački centar DQM. ISBN 978-86-86355-10-2

106.Đorđević, P., Savić, M., Nikolić, Đ., Mihajlović, I., Živković, Ž. (2012). The influence of EFQM business excellence model on the employee loyalty. A study on the banking sector in Serbia. International Convention on Quality ICQ 2012: 288 – 293.

107.Mihajlović, I., Štrbac, N., Jovanović, I., Živković, Ž., Đorđević, P. (2012). Using linear programming in optimal charge modeling for pyrometallurgical copper production. The Fifth International Symposium of Industrial Engineering, Jun 14-15. 2012, Belgrade, Serbia, Proceedings SIE 2012, pp. 161-164. ISBN: 978-86-7083-758-4

108.Mihajlović, I., Štrbac, N., Đorđević, P., Nikolić, Đ., Mitovski, A., Živković, Ž., (2012), Optimization of the process of copper extraction from the flotation waste using factorial experimental design, 2<sup>nd</sup> International Symposium on Environmental and Material Flow Management (EMFM12) - Zbornik radova, 161- 167. ISBN: 978-9958-617-46-1.

109.Nikolić, Đ., Đorđević, P., Mihajlović, I., Živković, Ž., (2012), Modeling and surface observation of SO<sub>2</sub> gas dispersion from copper smelter in Bor, Serbia, 2<sup>nd</sup> International Symposium on Environmental and Material Flow Management (EMFM12) - Zbornik radova, 199-205. ISBN: 978-9958-617-46-1.

110.Savić, M., Mihajlović, I., Djordjevic, P., Nikolić, D., Živković, Ž. (2012), Applying methods of nonlinear statistics in modeling ozone concentration in ambient air, 2<sup>nd</sup> International Symposium on Environmental and Material Flow Management (EMFM12) - Zbornik radova, 249-254. ISBN: 978-9958-617-46-1.

111.Savić Marija, Đorđević Predrag, Nikolić Đorđe, Mihajlović Ivan, Živković Živan, COMBINATION OF KNOWLEDGE IN SYSTEM SUPPLIERS-SMEs-CUSTOMERS IN TRANSITIONAL ECONOMY ENVIRONMENT IN SERBIA, International Symposium on Industrial Engineering – SIE 2012, Belgrade

112. Nikolić, E. Uloga prevođenja u komunikativno orijentisanoj nastavi stranog jezika struke. Zbornik radova sa konferencije Jezik, književnost, komunikacija - jezička istraživanja, 2012. ur. B. Mišić Ilić i V. Lopičić, str. 575-581, Filozofski fakultet u Nišu, (ISBN 978-86-73-241-5)
113. Brodić, D.; Milivojević, D. R.; Dokić, B.; Tasić, V. Comparison Between Initial Skew Rate and Moment Based Method for the Printed Text Skew Estimation. Proceedings of 35<sup>th</sup> International Convention on Information and Communication Technology, Electronics and Microelectronics MIPRO 2012, Opatija, Croatia, 2012, CIS Section, pp. 983 - 986., ISBN: 978-1-4673-2577-6, IEEE Xplore Topic(s) : Computing & Processing (Hardware/Software) ; General Topics for Engineers (Math, Science & Engineering)
114. Brodić, D.; Milivojević, Z. N.; Milivojević, D. R. Text Skew Detection using Log-polar Transformation. Proceedings of XLVII International Scientific Conference on Information, Communication and Energy Systems and Technologies ICEST 2012, Veliko Tarnovo, Bulgaria, 2012, pp. 151-154., ISBN: 978-619-167-002-4
115. Brodić, D.; Milivojević, Z.; Milivojević, D. R. Estimation of the Captcha Skew Orientation with Log-Polar Transformation. Proceedings of 25th International on Information Technologies InfoTech 2012, Varna, Bulgaria, 2012, pp. 163-172., ISSN: 1314-1023
116. Brodić, D.; Milivojević, Z.; Tanikić, D.; Milivojević, D. R. Optimization of the Extended Water Flow Algorithm for the Text-Line Segmentation, Proceedings of 12<sup>nd</sup> Symposium on Neural Network Applications in Electrical Engineering - NEUREL 2012, Belgrade, Serbia, 2012, pp. 107-110., ISBN: 978-1-4673-1570-8; DOI: 10.1007/978-3-642-21786-9\_68
117. Brodić D.; Milivojević, Z. N.; Milivojević, D. R. Comparison of Two Methods for the Text Skew Estimation, Proceedings of 12<sup>st</sup> International Scientific Conference - UNITECH 2012, Gabrovo, Bulgaria, 2012, pp. 459-463., ISSN: 1313-230X
118. Brodić D.; Milivojević, Z. N.; Milivojević, D. R. Deficiencies of the Methodology for the Quality Grading of the Algorithms for Text Line Segmentation Based on Binary Classification, Proceedings of 12<sup>st</sup> International Scientific Conference - UNITECH 2012, Gabrovo, Bulgaria, 2012, pp. 538-543., ISSN: 1313-230X
119. Damnjanović Z., Mančić D., Lazarević D., Cvejić R. (2012), NON CONTACT MEASUREMENTS OF THERMOELASTIC STRESS FIELDS ON MECHANICAL COMPONENTS WITH INFRARED THERMOGRAPHY, 12th International Conference „Research and Development in Mechanical Industry“ RaDMI 2012, 13-17.09.2012., Vrnjačka Banja, Serbia, Proceedings. #Vol. #1, ISBN 978-86-6075-036-7 p.176-181
120. Cvejić R., Vučković J., Damnjanović Z. (2012), E-COMMERCE AND THE SECURITY DILEMMA, 12th International Conference „Research and Development in Mechanical Industry“ RaDMI 2012, 13-17.09.2012., Vrnjačka Banja, Serbia, Proceedings. #Vol. #2, ISBN 978-86-6075-037-4, p.732-735
121. Ivana Mladenović-Ranisavljević, Ljiljana Takić, Nenad Živković, Milovan Vuković, Zvonko Damnjanović, (2012), LONG-TERM CHANGES IN TEN WATER QUALITY PARAMETERS OF THE DANUBE IN SERBIA, XX International Scientific and Professional Meeting, "ECOLOGICAL TRUTH" ECO-IST '12, 30 May - 02 June 2012., Zajecar, SERBIA, ISBN 978-86-80987-98-9 COBISS.SR-ID 191154444 p. 350-355
122. Ilić Krstić, M. Vuković – Ecumenism – The Notion and its Genealogy, XIX Int. Conf. of the Yugoslav Society for the Scientific Study of Religion (YSSSR), June 28-29, 2012, Niš, Proceedings (Ed. by D.B. Đorđević, D. Gavrilović, D. Todorović), 69-84, ISBN: 978-86-86957-13-9. UDK 316.74: 2
123. I. Mihajlović, Ž. Živković, B. Banović, ANALYSIS OF THE NONLINEAR STATISTICAL ANALYSIS METHODOLOGY APPLICABILITY ON MODELING THE CORRELATION AMONG GLOBAL

## **M34 – 35**

1.D. Živković, Lj. Balanović, D. Manasijević, D. Minić, M. Premović, A. Kostov, A. Mitovski, Study on properties of low-Ag content Ag-Zn alloys, 12th International Foundrymen Conference, Opatija, 24-26. May 2012, Book of Abstracts, p. 55. (ISBN 978-953-7082-14-7; Ed. N. Dolić, Z. Glavaš, Z. Zovko Brodarac; Publisher: Faculty of Metallurgy, University of Zagreb, Croatia).

2.S. Ekinović, E. Begović, D. Živković, A. Kostov, Machinability investigation of some lead-free Cu-based alloys, 13<sup>th</sup> International Conference on Tools ICT-2012, 27-28 March 2012, Miskolc (Hungary)

3. D. Manasijević, D. Živković, N. Talić, V. Čosović, L. Gomidželović, R. Todorović, D. Minić, Experimental investigation and thermodynamic calculation of the Au–Ga–Sb phase diagram, Thermodynamics of Alloys – TOFA 2012, 23-28 September 2012, Pula (Croatia), Book of Abstracts, pp.96.

4.D. Minić, D. Manasijević, V. Čosović, D. Živković, N. Talić, M. Premović, Phase transformations in the ternary Ag–Ga–Sb system, Thermodynamics of Alloys – TOFA 2012, 23-28 September 2012, Pula (Croatia) Book of Abstracts, pp.98.

5.S. Radosavljević, M. Sokić, V. Matković, B. Marković, J. Stojanović, N. Štrbac, D. Živković, Influence of structural-textural characteristics of mineral association on chalcopyrite leaching by sodium nitrate in sulphuric acid, XXII Congress of Chemists and Technologists of Macedonia, 5-9 September 2012, Ohrid (Macedonia), Book of Abstracts, pp.249. ISBN – 978-9989-760-11-2

6.V. Čosović, N. Talić, A. Čosović, D. Živković, Lj. Balanović, T. Žák, B. David, Structure and Properties of Nanosized Nickel Ferrite Synthesized by Solid-State Reaction Route, Serbian Ceramic Society Conference – Advanced Ceramics and Application, Belgrade (Serbia), 10-11<sup>th</sup> May, 2012, Program and the Book of Abstracts, pp.30. ISBN 978-86-915627-0-0

7.D. Živković, Lj. Balanović, L. Gomidželović, D. Manasijević, N. Talić, A. Kostov, V. Čosović, D. Minić, Thermodynamics and phase equilibria of Ga-Me (Me = Al, Au) alloys, Thermodynamics of Alloys – TOFA 2012, 23-28 September 2012, Pula (Croatia) Book of Abstracts, pp.115.

8.D.Živković, R.Novaković, Cooperation between Serbian and Italian researchers in the field of experimental investigation and calculation of thermodynamic and other properties of advanced ecological electronic materials, AIS3 Workshop Serbia-Italia: Status and Perspectives of the Scientific and Technological Bilateral Cooperation, June 25 and 26, 2012, Belgrade (Serbia).

9.N.Štrbac, I.Jevdjić, M.Vuković, D.Živković, Z.Damnjanović, Značaj ekološkog obeležavanja proizvoda, Medjunarodni naučni skup “Nove strategije i tehnologije zaštite životne sredine”, 18-20. april 2012., Beograd (Srbija), Book of Abstracts, pp.170.

10.Štrbac, N., Mitovski, A., Mihajlović, I., Vuković, M., Sokić, M., Andrić, V. (2012). Possibilities for treatment of non-standard copper concentrates and environmental protection. International Scientific Conference on Innovative Strategies and Technologies in Environment Protection, Belgrade 18-20. April 2012., Serbia, p.97, Book of abstracts, ISBN 978-86-89061-01-7

11. Ranisavljević, P., Štrbac, N., Takić, LJ., Mladenović-Ranisavljević, I., Mladenović, M., Živković, Ž. (2012). Management strategies concerning environment protection. International Scientific Conference on Innovative Strategies and Technologies in Environment Protection, Belgrade 18-20. April 2012., Serbia, p.34, Book of abstracts, ISBN 978-86-89061-01-7
12. Mladenović-Ranisavljević, I., Ranisavljević, P., Takić, LJ., Štrbac, N., Mladenović, M., Živković, Ž. (2012). Safety regulation of genetically modified food-implementation of strategy. International Scientific Conference on Innovative Strategies and Technologies in Environment Protection, Belgrade 18-20. April 2012., Serbia, p.34, Book of abstracts, ISBN 978-86-89061-01-7.
13. Štrbac, N., Mihajlović, I., Živković, D., Sokić, M., Andrić, V., Mitovski, A. (2012). Physico-chemical characterization polymetallic concentrate of copper. Fifth International Scientific Conference Contemporary Materials 2012. Banja Luka, 5-7. July 2012, BIH, Book of Abstracts, p.84.
14. Balanović, Lj., Živković, D., Manasijević, D., Štrbac, N., Talijan, N., Čosović, V. (2012). Comparative investigation of thermodynamic properties for some gallium-based and tin-based binary alloys. Fifth International Scientific Conference Contemporary Materials 2012. Banja Luka, 5-7. July 2012, BIH, Book of Abstracts, p.65.
15. Sokić, M., Marković, B., Matković, V., Radosavljević, S., Stojanović, J., Štrbac, N., Živković, D. (2012). Influence of structural-textural characteristics of mineral association on chalcopyrite leaching by sodium nitrate in sulphuric acid, XXII Congress of Chemists and Technologists of Macedonia, 05-09. September 2012, Ohrid, Macedonia, Book of Abstracts, p. 24, ISBN: 978-9989-760-11-2.
16. S. Ivanov, E. Pozega, Z. Stevich, Modeling of boronizing of iron powder metallurgy compacts, Proceedings of the 13th International Scientific Practical Conference „Modern information and electronic technologies” p. 110, 4-8 June, 2012, Odessa, Ukraine, ISBN 978-966-2666-01-4; Publisher: Politehperiodika Odessa, Ukraine.
17. S. Ivanov, M. Rajcich-Vujasinovich, Z. Stevich, S. Nestorovich, Influence of gelatin on electrochemical behaviour of cold worked copper wire, Proceedings of the 13th ISPC “Modern information and electronic technologies” p. 226, 4-8 June, 2012, Odessa, Ukraine, ISBN 978-966-2666-01-4; Publisher: Politehperiodika Odessa, Ukraine.
18. S. Nestorović, I. Marković, D. Gusković, Lj. Ivanić, D. Marković, The Influence of Temperature on the Anneal Hardening Effect in a Cast Cu-4at%Au Alloy, 12 th International Foundrymen Conference, Sustainable Development and Technologies, 24-25 May 2012 37 ISBN 978-953-7082-14-7
19. M. Rajčić-Vujasinović, V. Grekulović, Z. Stević, B. Pešić, S. Bugarinović, Electrochemical behavior of AgCu-alloy as a material for contacts in electronic industry, Proceeding, XIII<sup>th</sup> International scientific-practical conference, Modern information and electronic technologies, Odessa, Ukraina, (2012) 296. ISBN 978-966-2666-01-4
20. M. Rajčić-Vujasinović, Z. Stević, S. Bugarinović, V. Grekulović, Semiconductor characteristics of sulphide minerals and their applications in supercapacitors and solar cells, Proceeding, XIII<sup>th</sup> International scientific-practical conference, Modern information and electronic technologies, Odessa, Ukraina, (2012) 297. ISBN 978-966-2666-01-4
21. Silvana Dimitrijevic, Mirjana Rajcic-Vujasinovic, Radmila Jancic-Hajneman, Jelena Bajat, Vlastimir Trujic, Dejan Trifunovic, Current density effect on the surface roughness of decorative gold coatings, XXII Congress of Chemists and Technologists of Macedonia, Society of Chemists and Technologists of Macedonia 22nd Congress with international participation Book of Abstrakt, Sept. 05 – 09. 2012. Ohrid, EL-18

22. Biljana S. Maluckov, Čedomir A. Maluckov and Miodrag K. Radović, The Influence of the Low-Frequent Electromagnetic Radiation on Human Health, Book of Abstracts from The 8th General Conference of Balkan Physical Union, Constanta, Romania, July 5-7, 2012, p. 132
23. S. Alagić, D. Riznić i B. Maluckov: „In situ bioremedijacijske tehnologije za zemljišta zagađena PAH-ovima“, rad sa Međunarodne naučne konferencije, „Nove strategije i tehnologije zaštite životne sredine“, Naučno - stručno društvo za zaštitu životne sredine Srbije - Ecologica, 18-20 april (2012), Beograd, Zbornik apstrakta str. 125-127, ISBN 978-86-89061-01-7.
24. Urošević S., Pejčić B., „Contemporary tendencies in waste management and industrialization of recycling“, International scientific conference Innovative Strategies and Technologies in Environment Protection, Beograd, 18-20. april, Naučno-stručno društvo za zaštitu životne sredine "Ecologica", Book of abstracts, ISBN 978-86-89061-01-7, pp.123-124.
25. Urošević S., „Preconditions of Serbian textile industry competitiveness and prosperity“, International Scientific conference „Inovative solutions for sustainable development of textiles industry, June 1-2, 2012, Oradea, Romania, Editura Universtatii din Oradea, Romania, Proceedings Volume XIII, CD-ROM-2068-1070, pp. 27-28.
26. Kokeza G., Urošević S., Bugarski B., Milojević M., „Značaj primene sistema za unapređenje bezbednosti hrane u održivoj prehrambenoj industriji“, International scientific conference Innovative Strategies and Technologies in Environment Protection, Beograd, 18-20. april, Naučno- stručno društvo za zaštitu životne sredine "Ecologica", Book of abstracts, ISBN 978-86-89061-01-7, pp.169.
27. D. Riznić, M. Manić i A. Krstić: „Nove strategije ekološko-ekonomskog rasta i modeli rangiranja i komparacije dobavljača“, rad sa Međunarodne naučne konferencije, „Nove strategije i tehnologije zaštite životne sredine“, Naučno - stručno društvo za zaštitu životne sredine Srbije - Ecologica, 18-20 april (2012), Beograd, Zbornik apstrakta str. 68-70, ISBN 978-86-89061-01-7.
28. D. Riznić, B. Antonić i O. Smieško: „Socijalni marketing i njegov doprinos novim strategijama ekološko-ekonomskog rasta“, rad sa Međunarodne naučne konferencije, „Nove strategije i tehnologije zaštite životne sredine“, Naučno - stručno društvo za zaštitu životne sredine Srbije - Ecologica, 18-20 april (2012), Beograd, Zbornik apstrakta str. 32-33, ISBN 978-86-89061-01-7.
29. M. Bubulj, D. Riznić: “Sprovođenje marketing istraživanja u malim i srednjim preduzećima u Novom Sadu i Beogradu”, 10. International scientific conference “Na putu ka dobu znanja”, 28-29 Septembar 2012, Fakultet za menadžment, Sremski Karlovci, Zbornik apstrakta ISBN:978-86-85067-41-9, COBISS.SR-ID 274098695, str. 27.
30. D. Damjanović, D. Riznić, D. Kadarjan: “Značaj kreiranja i održavanja brenda za razvoj biznisa”, 10. International scientific conference “Na putu ka dobu znanja”, 28-29 Septembar 2012, Fakultet za menadžment, Sremski Karlovci, Zbornik apstrakta ISBN:978-86-85067-41-9, COBISS.SR-ID 274098695, str. 32.
31. D. Kadarjan, D. Riznić, D. Damjanović: “Analiza odluke potrošača prilikom kupovine novog automobila u Srbiji”, 10. International scientific conference “Na putu ka dobu znanja”, 28-29 Septembar 2012, Fakultet za menadžment, Sremski Karlovci, Zbornik apstrakta ISBN:978-86-85067-41-9, COBISS.SR-ID 274098695, str. 43.
32. D. Kocev, “Almost relator Menger and weakly relator Menger spaces”, Analysis, Topology and Applications 2012 (Analysis, Topology meet Algebra), 25-27 May 2012, Sombor, Serbia.
33. D. Kocev, “n-relator Menger and related properties”, IV<sup>th</sup> Workshop on Coverings, Selections and Games in Topology, 25-30 June 2012, Caserta, Italy.
34. Čedomir A. Maluckov, Miodrag K. Radović, Saša A. Rančev, Goran S. Risić, Jugoslav. P. Karamarković, The electrical breakdown time delay distributions in “GE 155-500“ gas diode (starter), Book of Abstracts from the 8th

General Conference of Balkan Physical Union, Constanta, Romania, July 5-7, 2012, Editors, V. Ciupina, I.M.Stanescu, ExPonto Press, Constanta, 2012, p. 176.

35.Miodrag K. Radović, Čedomir A. Maluckov, Jugoslav P. Karamarković, Saša A. Rančev, Slobodan D. Mitić, Statistical theoretical breakdown voltage distributions in Neon filled-diode at 1.33 mbar, Book of Abstracts from the 8th General Conference of Balkan Physical Union, Constanta, Romania, July 5-7, 2012, Editors, V. Ciupina, I.M.Stanescu, ExPonto Press, Constanta, 2012, p. 177. Ova dva bih stavila u M 64

## **M36– 2**

1. Zoran S. Marković (Ed.) XX Int. Scientific and professional meeting "Ecological Truth" Eco-Ist '12. TF Bor 2012. ISBN 987-86-80987-98-9.

2. 2<sup>nd</sup> International Symposium on Environmental and Flow Materials Management - EMFM12, 7-9 June 2012, Zenica (BiH), Proceedings (Edited by Šefket Goletić and Dragana Živković), pp. 1-409, ISBN 978-9958-617-46-1, COBISS.BH-ID 19619334

---

## **5. Saopštene radovi i ostali rezultati kategorije M60:**

**Σ = 70**

## **M63 – 54**

1.B.G. Sokolović; Z.S. Marković; G.D. Bogdanović; D.V. Antić; Z. Štirbanović, Ponašanje kalijum etilksantata u prisustvu minerala halkopirita. Zbornik radova 7. Simpozijum "Reciklažne tehnologije i održivi razvoj", Soko Banja, Srbija, 5.-7. septembar 2012; Univerzitet u Beogradu, Tehnički fakultet u Boru 2012; pp. 311-318. (ISBN 978-86-80987-97-2)

2.Zoran Štirbanović, Zoran Marković, Igor Miljanović, Primena teorije grubih skupova pri izboru lokacije za deponiju komunalnog otpada, Zbornik radova- Proceedings, VII Simpozijum „Reciklazne tehnologije i održivi razvoj“, VII SRTOR, Izdavač: Tehnički fakultet u Boru, ISBN: 978-86-80987-97-2, Soko Banja 05-07.9.2012., pp. 244-249

3.Zoran Štirbanović, Zoran Marković, Igor Miljanović, Izbor lokacije flotacijskog jalovišta primenom teorije grubih skupova, Zbornik radova / XXXIX simpozijum o operacionim istraživanjima - SYM-OP-IS 2012, Izdavač: , Izdavač: Visoka građevinsko-geodetska škola, ISBN 978-86-7488-086-9, Tara, 25-28. septembar 2012., pp. 535-538.

4.Miodrag Miljković, Rodoljub Stanojlović, Jovica Sokolović, Planovi istraživanja uticaja više parametara na zavisno promenljivu veličinu - mogućnost primene u rudarstvu i zaštiti životne sredine, Zbornik radova sa VII Simpozijuma "Reciklažne tehnologije i održivi razvoj", ISBN 978–86–80987–97–2, 5.-7. Septembar 2012., Soko Banja, Srbija, (2012), str. 282-289.

5.Miodrag Miljković, Jovica Sokolović, Rodoljub Stanojlović, Složena verovatnoća opasnosti rudarskih objekata po faktore životne sredine, Zbornik radova sa VII Simpozijuma "Reciklažne tehnologije i održivi razvoj", ISBN 978–86–80987–97–2, 5.-7. Septembar 2012., Soko Banja, Srbija, (2012), str. 290-296.

6.Maja Trumić, Milan Trumić, Analiza kinetike prosejavanja mineralnih i sekundarnih sirovina, 7. Simpozijum "Reciklažne tehnologije i održivi razvoj", Izdavač: Tehnički fakultet u Boru, Univerzitet u Beogradu, Sokobanja, 05 – 07. septembra, Srbija, (2012), pp. 50-55. (ISBN 978-86-80987-97-2)



- 7.D. Kržanović, M. Žikić, R. Pantović, S. Stojadinović, Amended technology for mining the copper slag from the technogenic deposit Slag Depot 1 within RTB Bor Group to increase capacity and reduce costs, In: Proceedings, The 3<sup>d</sup> symposium with international participation Mining 2012, May 7 – 10, Zlatibor, Serbia, 2012, 402 – 5.
- 8.D. Kržanović, M. Žikić, R. Pantović, S. Stojadinović: Izmenjena tehnologija otkopavanja šljake iz tehnogenog ležišta Depo šljake 1 u okviru RTB Bor grupe u cilju povećanja kapaciteta i smanjenja troškova, In: Proceedings, The 3<sup>d</sup> symposium with international participation Mining 2012, May 7 – 10, Zlatibor, Serbia, 2012, 403-406
- 9.V. Stanković, M. Žikić, G. Bogdanović, Z. Milanović, T. Marjanović, Mine waters from RTB Bor Group – potential resource for copper production or harmful water pollutant, In: Proceedings, The 3<sup>d</sup> symposium with international participation Mining 2012, May 7 – 10, Zlatibor, Serbia, 2012, 392 – 6.
- 10.D.Živković, Y.Du, N.Talijan, A.Kostov, Predicting of thermodynamic properties for ternary Al-Ni-Zn system using general solution model, 9<sup>th</sup> Scientific/Research Symposium with international participation, "METALLIC AND NONMETALLIC MATERIALS: production-properties-application", 23-24 April 2012 Zenica (BiH), Zbornik radova/Proceedings (elektronsko izdanje), pp.125-130. (Urednik: S.Muhamedagić), ISBN 978-9958-785-26-9
- 11.V. Čosović, T. Žák, B. David, A. Čosović, N. Talijan, D. Živković, Characterization of BaFe<sub>12</sub>O<sub>19</sub> and NiFe<sub>2</sub>O<sub>4</sub> magnetic materials, 9<sup>th</sup> Scientific/Research Symposium with international participation, "METALLIC AND NONMETALLIC MATERIALS: production-properties-application", 23-24 April 2012, Zenica (BiH), Zbornik radova/Proceedings (Elektronsko izdanje), pp.241-246. (Urednik: S.Muhamedagić), ISBN 978-9958-785-26-9.
- 12.Lj.Balanović, L.Gomidželović, D.Živković, D.Manasijević, A.Kostov, Ž.Živković, Calorimetric investigation of some Ga-based binary systems, 9<sup>th</sup> Scientific/Research Symposium with international participation, "METALLIC AND NONMETALLIC MATERIALS: production-properties-application", 23-24 April 2012, Zenica (BiH), Zbornik radova/Proceedings (elektronsko izdanje), pp.131-138. (Urednik: S.Muhamedagić), ISBN 978-9958-785-26-9
- 13.B.Milošević, D.Živković, D.Manasijević, D.Randjelović, Analiza trenda promena u kvalifikacionoj strukturi zaposlenih u kompaniji RTB Bor u period od 1997. do 2009. godine, 8. Majska konferencija o strategijskom menadžmentu, Bor (Srbija), 25-27. maj 2012. , Zbornik celih radova (Urednici Ž.Živković, I.Mihajlović), str. 588-603. . ISBN: 978-86-80987-96-5
- 14.D.Živković, Ž.Živković, I.Nikolić, N.Nikolić, D.Manasijević, J.Vadnjak, Ispitivanje odnosa studentske populacije prema porodičnom preduzetništvu na primeru Tehničkog fakulteta u Boru, 8. Majska konferencija o strategijskom menadžmentu, Bor (Srbija), 25-27. maj 2012. , Zbornik celih radova (Urednici Ž.Živković, I.Mihajlović), str. 603-609. . ISBN: 978-86-80987-96-5
- 15.R. Perić, Z. Karastojković, Z. Kovačević, d. Gusković, The aging of gold alloys for production of jewels, Primena savremenih materijala u tehnologijama i konstrukcijama HTM, Požarevac 2012, 86-94
- 16.S. Nestorović, I. Marković, D. Gusković, D. Marković, Annel Hardening Effect in Thermomechanically Treated a Cast Copper-Gold Alloy, 50. jubilarno savetovanje Srpskog hemijskog društva, Beograd, 14-15. juni 2012, Knjiga radova, s 95-98, ISBN 978-86-7132-049-8, Izdavač: Srpsko hemijsko društvo, Urednici: Ž. Tešić, A. Dekanski
- 17.Silvana B. Dimitrijević, Mirjana M. Rajčić-Vujasinović, Radmila M.Jančić-Hajneman, Vlastimir K. Trujić, Dejan D. Trifunović, Uticaj pH vrednosti ratvora za taloženje na hrapavost dekorativnih prevlaka zlata, 50. Savetovanje Srpskog hemijskog društva, Beograd 14-15. jun 2012., str. 23, ISBN 978-86-7132-048-1, COBISS.SR-ID 191196940
- 18.Mitovski, A., Štrbac, N., Mihajlović, I., Andrić, V., Sokić, M., Tehnološke mogućnosti za smanjenje sadržaja arsena u nestandardnim koncentratima bakra. 50. Savetovanje srpskog hemijskog društva, 14-15. Jun 2012, Beograd, Srbija. Knjiga radova, pp. 75-79, ISBN: 978-86-7132-049-8

- 19.M. Sokić, I. Ilić, Z. Gulišija, N. Štrbac, Procena mogućnosti reciklaže metaličnih sekundarnih sirovina analizom termodinamičkih veličina, 7. Simpozijum o reciklažnim tehnologijama i održivom razvoju, Urednici: G. Bogdanović & M. Trumić, Soko Banja, 5.-7. septembar 2012, 56-63. ISBN 978-86-80987-97-2
- 20.D. Đenadić, M. Manić, D. Tanikić, S. Randelović, Prikaz vrsta fiksatora i metoda obrade elemenata za fiksatore u medicini, 38. JUPITER Konferencija, Beograd, Maj 2012., Zbornik radova (ISBN: 978-86-7083-757-7), str. 3.32-3.39
- 21.M.M. Antonijević, M.D. Dimitrijević, S.M. Milić, M.M. Nujkić, Kinetička ispitivanja degradacije fenola i azo boja u otpadnim vodama primenom foto-fentonovog reagensa, 7. Simpozijum "Reciklažne tehnologije i održivi razvoj", Urednici: G.D. Bogdanović i M.Ž. Trumuć, Soko Banja, 05.-07. septembar 2012. godine, str. 454.
- 22.S.Č. Alagić, M.D. Dimitrijević, B.S. Maluckov, Mikroorganizmi u bioremedijaciji policikličnih aromatičnih ugljovodonika, 7. Simpozijum "Reciklažne tehnologije i održivi razvoj", Urednici: G.D. Bogdanović i M.Ž. Trumuć, Soko Banja, 05.-07. septembar 2012. godine, str. 409.
- 23.Biljana Maluckov, Uvođenje komercijalnog postrojenja za bioluženje rude bakra-šansa da Bor pročisti pluća", Zbornik radova sa III Simpozijuma sa međunarodnim učešćem Rudarstvo 2012, (III International Simpozijum Mining 2012.), Zlatibor, 07-10. maj 2012., str. 473-479.
- 24.Slađana Č. Alagić, Vesna B. Radojičić, Milica S. Todorović (2012): Nove bioremedijacijske tehnologije za uklanjanje policikličnih aromatičnih ugljovodonika iz zemljišta/New Bioremediation Technologies for Polycyclic Aromatic Hydrocarbons Removal from Soil. 7. simpozijum "Reciklažne tehnologije i održivi razvoj" sa međunarodnim učešćem/7<sup>th</sup> symposium "Recycling technologies and sustainable development" with international participation, Soko Banja, Serbia, 5-7.09.2012., Zbornik radova/Proceedings, p.493-500
- 25.M. Dimitrijević, D. Urošević, S. Milić i D. Milanović, Ekstrakcija bakra iz topioničke šljake prženjem sa sumpornom kiselinom i luženjem vodom, 6. Simpozijum "Reciklažne tehnologije i održivi razvoj", Urednici: G.D. Bogdanović i M.Ž. Trumuć, Soko Banja, 18.-21. septembar 2012. godine, str. 95.
- 26.M.M. Antonijević, M.D. Dimitrijević, S.M. Milić i M.M. Nujkić, Distribucija teških metala u samoniklim biljkama oko starog flotacijskog jalovišta Rudnika bakra Bor, 6. Simpozijum "Reciklažne tehnologije i održivi razvoj", Urednici: G.D. Bogdanović i M.Ž. Trumuć, Soko Banja, 18.-21. septembar 2011. godine, str. 339
- 27.A.A. Ilić, S.M. Šerbula, J.V. Kalinović, T.S. Kalinović, M. Gorunović, D. Miljković, M. Popović, Adsorpcija jona teških metala iz sintetičkih rastvora na prirodnom zeolitu klinoptilolitu – Teorijski pristup, III simpozijum sa međunarodnim učešćem "Rudarstvo 2012" Zbornik radova, Editori: Dr Miroslav R. Ignjatović, Zlatibor, Srbija, 07-10. maj 2012, Izdavači: Privredna komora Srbije, "Akademska izdanja" d.o.o. Zemun, str. 460-466, (ISBN: 978-86-80809-69-4).
- 28.J.V. Kalinović, D. Božić, V. Stanković, M. Gorgievski, S.M. Šerbula, T.S. Kalinović, A.A. Ilić, R. Stamenkovski, Adsorpcija jona  $Pb^{2+}$  iz sintetičkih rastvora na trini bukve, III simpozijum sa međunarodnim učešćem "Rudarstvo 2012" Zbornik radova, Editori: Dr Miroslav R. Ignjatović, Zlatibor, Srbija, 07-10. maj 2012, Izdavači: Privredna komora Srbije, "Akademska izdanja" d.o.o. Zemun, str. 467-472, (ISBN: 978-86-80809-69-4).
- 29.T.S. Kalinović, D. Božić, V. Stanković, M. Gorgievski, S.M. Šerbula, A.A. Ilić, J.V. Kalinović, V. Cvetanovski, Adsorpcija jona  $Pb^{2+}$  iz sintetičkih rastvora na pšeničnoj slami, III simpozijum sa međunarodnim učešćem "Rudarstvo 2012" Zbornik radova, Editori: Dr Miroslav R. Ignjatović, Zlatibor, Srbija, 07-10. maj 2012, Izdavači: Privredna komora Srbije, "Akademska izdanja" d.o.o. Zemun, str. 480-484, (ISBN: 978-86-80809-69-4).

- 30.S.M. Šerbula, S.J. Ristić, Z. Milijić, J.V. Kalinović, T.S. Kalinović, A.A. Ilić, I. Pacić, Tretman otpadnih voda iz kopova "Severni i Južni revir" u Majdanpeku, III simpozijum sa međunarodnim učešćem "Rudarstvo 2012" Zbornik radova, Editori: Dr Miroslav R. Ignjatović, Zlatibor, Srbija, 07-10. maj 2012, Izdavači: Privredna komora Srbije, "Akademska izdanja" d.o.o. Zemun, str. 431-436, (ISBN: 978-86-80809-69-4).
- 31.V. Stanković, M. Žikić, G. Bogdanović, Z. Milanović, T. Marjanović, Rudničke vode iz Rudnika RTB Bor – potencijal za dobijanje bakra ili zagađivač površinskih voda, Zbornik radova, III Simpozijum sa međunarodnim učešćem RUDARSTVO, Zlatibor 2012, 2012, 339-337.
- 32.G.D. Bogdanović; V. Stanković; D.V. Antić; Z. Milanović; V. Pavićević, Rudničke vode rudnika RTB Bor. Kvalitet vode u sistemima vodovoda i vode u industriji/Water Quality in the Waterwork Systems and Industry Water, Beograd, Srbija, 08-09. novembar 2012; Udruženje za tehnologiju vode i sanitarno inženjerstvo, Udruženje vodovoda i kanalizacije Srbije 2012; pp. 163-166.
33. S. Prodanović; G. Bogdanović; D.V. Antić; V. Stanković, Adsorpcija jona bakra u koloni primenom zeolita kao adsorbensa. Zbornik radova 7. Simpozijum "Reciklažne tehnologije i održivi razvoj", Soko Banja, Srbija, 5.-7. septembar 2012; Univerzitet u Beogradu, Tehnički fakultet u Boru 2012; pp. 443-447. (ISBN 978-86-80987-97-2).
- 34.Fedajev, A., Nikolić, R., Veselinović, P., (2012). Faktori konkurentnosti srpske privrede u periodu tranzicije, VIII „Majska konferencija o strategijskom menadžmentu“, Univerzitet u Beogradu, Tehnički fakultet u Boru, Bor, Srbija, str. 499-511, ISBN 978-86-80987-96-5.
- 35.Urošević S., Đorđević D., „Ispitivanje zapaljivosti pamučnih tkanina obrađenim usporivačima gorenja“, Tendencije razvoja i inovativni pristup u tekstilnoj industriji DTM 2012, Beograd, 7-8.jun 2012., Visoka tekstilna strukovna škola za dizajn, tehnologiju i menadžment, Beograd, Zbornik radova, ISBN 978-86-87017-17-7, str. 100-105.
- 36.Urošević S., Pejčić B., „Kontinuirano obrazovanje u cilju jačanja kompanija i zapošljivosti ljudskih resursa“, VIII Majska konferencija o strategijskom menadžmentu, Univerzitet u Beogradu, Tehnički fakultet u Boru, ISBN 978-86-80987-67-5, Bor, 25-27.05.2012., Zbornik celih radova, ISBN 978-86-80987-67-5, str. 990-1000.
- 37.Urošević S., „Tehnologija, inovacije i konkurentna prednost“, II Simpozijum inovacionih istraživanja, SINOVIS 2012, Srpska asocijacija akademika i inovatora i naučnika, Beograd 9-12. jula, 2012, Knjiga radova, ISBN 978-86-88965-03-3, str. 189-196.
- 38.Urošević S., „Znanje-esencijalni resurs 21 veka“, Naučna konferencija sa međunarodnim učešćem, Resursi i bezbednost jugoistočne Evrope, Beograd, 2012, Centar za strateška istraživanja nacionalne bezbednosti, Beograd, Zbornik radova, Knjiga XIII, ISBN 978-86-85985-20-1, str. 357-372.
- 39.Riznić D., Urošević S., „Reinženjering i marketing u savremenim uslovima poslovanja“, VIII Majska konferencija o strategijskom menadžmentu, Univerzitet u Beogradu, Tehnički fakultet u Boru, ISBN 978-86-80987-67-5, Bor, 25-27.05.2012., Zbornik celih radova, ISBN 978-86-80987-67-5, str. 687-695.
- 40.Arsić M., Urošević S., Voza D., Florić M., „Ispitivanje motivacije i zadovoljstva poslom mladih zaposlenih u javnim institucijama na teritoriji opštine Bor“, VIII Majska konferencija o strategijskom menadžmentu, Univerzitet u Beogradu, Tehnički fakultet u Boru, ISBN 978-86-80987-67-5, Bor, 25-27.05.2012., Zbornik celih radova, ISBN 978-86-80987-67-5, str. 619-626.
- 41.A. Vuković, D. Riznić, M. Vuković: „Uloga i značaj marketing komunikacija u prevazilaženju kriza u kompanijama“, VIII Majska konferencija o strategijskom menadžmentu, Univerzitet u Beogradu, Tehnički fakultet u Boru, Bor, 25-27 Maja 2012, Zbornik radova (Elektronsko izdanje) ISBN 978-86-80987-96-5, str. 957-967.

42. Voza, D., Živković, D., Arsić, M. (2012). Ispitivanje odnosa studentske populacije prema problemima životne sredine. VIII Majska konferencija o stratezijskom menadžmentu, 25-27. maj, Bor, Srbija, (2012), Majska konferencija o stratezijskom menadžmentu-Zbornik radova, 401-410 . ISBN: 978-86-80987-96-5. Izdavač: Tehnički fakultet u Boru.
43. M. Vuković, N. Štrbac, D. Voza, I. Mihajlović – Strategija upravljanja međunarodnim rečnim basenima, VIII Majska konferencija o stratezijskom menadžmentu sa međ. učešćem, Maj 25-27, Bor, 2012, Zbornik celih radova (Ur.: Ž. Živković, I. Mihajlović), 1001-1013, ISBN: 978-86-80987-96-5.
44. Savić, M., Đorđević, P., Nikolić, Đ., Mihajlović, I., Živković, Ž. (2012). Zadovoljstvo privatnih preduzetnika ostvarenim rezultatima u uslovima tranzicione ekonomije u Srbiji, Majska konferencija o stratezijskom menadžmentu, Zbornik celih radova, 122 – 129. ISBN: 978-86-80987-96-5.
45. Savić, M., Nikolić, Đ., Đorđević, P. Mihajlović, I., Živković, Ž., (2012), Višegrupna analiza satisfakcije i lojalnosti zaposlenih u proizvodnim i uslužnim organizacijama, Majska konferencija o stratezijskom menadžmentu - Zbornik radova, 1029-1044. ISBN: 978-86-80987-96-5.
46. Savić, M., Štrbac, N., Zaštita intelektualne svojine u tranzicionim uslovima u Srbiji. VIII Majska konferencija o stratezijskom menadžmentu, 25-27. Maj 2012, Bor, Srbija, Zbornik radova MKSM 2012, pp. 610-618, ISBN: 978-86-80987-96-5
47. Mladenović - Ranisavljević, I., Takić, Lj., Vuković, M., Nikolić, Dj., Živković, N., Milosavljević, P., (2012), Višekriterijumsko rangiranje kvaliteta vode Dunava na toku kroz Srbiju, Majska konferencija o stratezijskom menadžmentu-Zbornik radova, 1014-1022. ISBN: 978-86-80987-96-5. Izdavač: Tehnički fakultet u Boru.
48. D. BOGDANOVIĆ, (2012). Primena programa projekata u podzemnim rudnicima. Majska Konferencija o stratezijskom menadžmentu, Zbornik radova, Bor, str. 409-419. Univerzitet u Beogradu, Tehnički Fakultet u Boru, Odsek za menadžment. ISBN: 978-86-80987-96-5.
49. D. BOGDANOVIĆ, I. Jovanović, K. Đorđević, (2012). Primena višekriterijumskog odlučivanja u javnim nabavkama. Majska Konferencija o stratezijskom menadžmentu, Zbornik radova, Bor, str. 967-975. Univerzitet u Beogradu, Tehnički Fakultet u Boru, Odsek za menadžment. ISBN: 978-86-80987-96-5.
50. Violeta Miladinović, Džejn Paunković, Zvonko Damnjanović, (2012), ISTRAŽIVANJE FAKTORA KOJI UTIČU NA IMPLEMENTACIJU ODRŽIVOG RAZVOJA U CENTRALNOJ SRBIJI, 7. Simpozijum „RECIKLAŽNE TEHNOLOGIJE I ODRŽIVI RAZVOJ“, 05-07. Septembar 2012., Sokobanja, Srbija, Zbornik radova, ISBN 978-86-80987-97-2 COBISS.SR-ID 193055756 p. 377-381.
51. Milica Niculović, Zvonko Damnjanović, Dragana Živković, Dragan Manasijević, (2012), ISPITIVANJE INTERNET ZAVISNOSTI MEĐUSREDNJOŠKOLCIMA U OPŠTINI BOR, 7. Simpozijum „MAJSKA KONFERENCIJA O STRATEGIJSKOM MENADŽMENTU“, 25-27. maj 2012., Bor, Srbija, Zbornik radova, ISBN 978-86-80987-96-5 p. 181-194.
52. Tamara Ognjanović, INTERNET REGRUTOVANJE LJUDSKIH RESURSA, Zbornik radova, Majska konferencija o stratezijskom menadžmentu, 2012., Tehnički fakultet Bor, 976-981, ISBN: 978-86-80987-96-5.
53. Tamara Ognjanović, NASTUP KOMPANIJE NA INTERNETU-KORPORATIVNI BLOG, Zbornik radova, Majska konferencija o stratezijskom menadžmentu, 2012., Tehnički fakultet Bor, 981-990, ISBN: 978-86-80987-96-5.

54.Stefanović V., Urošević S., „Ljudski resursi-faktor konkurentnosti turističke privrede“, Sedmi naučni skup sa međunarodnim učešćem Turizam: Izazovi i mogućnosti, Ekonomski institut, Beograd, 20-22. Septembar, 2012. Trebinje, Tematski zbornik radova, ISBN 978-86-7329-096-6, str.74-80.

## **M64– 15**

1.D. Nikolovski, A. Aleksic, Z. Stevic, M. Draskovic, B.Reljin. Primena infracrvene termografije u dijagnostici patologije dojke. Zbornik apstrakata / Konferencija Peta radionica fotonike (2012), Kopaonik, 10.-14.03.2012. Beograd: Institut za fiziku, 2012. ISBN 978-86-82441-33-5

2.S. Ivanov, M. Rajčić Vujasinović, Z. Stević, Uticaj želatina na anodno ponašanje hladno deformisanog bakra u rastvoru natrijum karbonata, 50. Jubilarno savetovanje Srpskog hemijskog društva, Beograd, 14–15. juni 2012.; Program i kratki izvodi radova, str. 69, Urednici: Živoslav Tešić, Aleksandar Dekanski, Izdavač: Srpsko hemijsko društvo, Beograd, Srbija, 2012, (ISBN 978-86-7132-048-1)

3.S. Nestorović, I. Marković, D. Gusković, D. Marković, Annel Hardening Effect in Thermomechanically Treated a Cast Copper-Gold Alloy, 50. jubilarno savetovanje Srpskog hemijskog društva, Beograd, 14-15. juni 2012, Program i kratki izvodi radova, s 56, ISBN 978-86-7132-048-1, Izdavač: Srpsko hemijsko društvo, Urednici: Ž. Tešić, A. Dekanski

4.Mitovski, A., Štrbac, N., Mihajlović, I., Andrić, V., Sokić, M., Tehnološke mogućnosti za smanjenje sadržaja arsena u nestandardnim koncentratima bakra. 50. Savetovanje srpskog hemijskog društva, 14-15. Jun 2012, Beograd, Srbija. Knjiga izvoda, pp. 75-79, ISBN: 978-86-7132-048-1.

5.M. Sokić, B. Marković, V. Matković, S. Radosavljević, J. Stojanović, N. Štrbac, D. Živković, Influence of structural-textural characteristics of mineral association on chalcopyrite leaching by sodium nitrate in sulphuric acid, XXII Congress of Chemists and Technologists of Macedonia with International Participation, Ohrid, 05.-09. sept. 2012, 248. ISBN 978-9989-760-11-2

6.Tamara Rajić, Sreten Ćuzović, Dejan Riznić, Nenad Milijić (2012) Uticaj uslužnog ambijenta na evaluaciju i nameravano ponašanje korisnika usluga maloprodaje, VIII Majska konferencija o strategijskom menadžmentu, Tehnički fakultet u Boru, Zbornik izvoda radova, 177-178

7.Nenad Milijić, Ivan Mihajlović, Tamara Rajić, Analiza bezbednosti na radu kod radnika elektroprivrede, VIII Majska konferencija o strategijskom menadžmentu, Tehnički fakultet u Boru, Zbornik radova, 472-482

8.Voza, D., Živković, D., Arsić, M. (2012). Ispitivanje odnosa studentske populacije prema problemima životne sredine. VIII Majska konferencija o strategijskom menadžmentu, 25-27. maj, Bor, Srbija, (2012), Zbornik izvoda radova, 71-72 . ISBN: 978-86-80987-96-5. Izdavač: Tehnički fakultet u Boru

9.Arsić, M., Urošević, S., Voza, D., Florić, M. (2012). Ispitivanje motivacije i zadovoljstva poslom mladih zaposlenih u javnim institucijama na teritoriji Opštine Bor. VIII Majska konferencija o strategijskom menadžmentu, 25-27. maj, Bor, Srbija, (2012), Zbornik izvoda radova, 103-104 . ISBN: 978-86-80987-96-5. Izdavač: Tehnički fakultet u Boru

10.I. Jovanović, (2012) Plan realizacije projekta na primeru „PPOV bela palanka“. Majska konferencija o strategijskom menadžmentu, Bor 25-27.05.2012, 1101-1113. ISBN: 978-86-80987-96-5.

11.M. Vuković, N. Štrbac, D. Voza, I. Mihajlović – Strategija upravljanja vodnim resursima u oblasti međunarodnih reka, VIII Majska konferencija o strategijskom menadžmentu, Maj 25-27, Bor, 2012, Zbornik izvoda radova (Ur.: Ž. Živković, I. Mihajlović), 184, ISBN: 978-86-80987-96-5

12.A. Vuković, D. Riznić, M. Vuković – Uloga i značaj marketing komunikacija u prevazilaženju kriza u kompanijama, VIII Majska konferencija o strategijskom menadžmentu sa međ. učešćem, Maj 25-27, Bor, 2012, Zbornik izvoda radova (Ur.: Ž. Živković, I. Mihajlović), 170-171, ISBN: 978-86-80987-96-5.

13.I. Mladenović-Ranisavljević, L.J. Takić, M. Vuković, Đ. Nikolić, N. Živković, P. Milosavljević – Višekriterijumsko rangiranje kvaliteta vode Dunava na toku kroz Srbiju, VIII Majska konferencija o strategijskom menadžmentu sa međ. učešćem, Maj 25-27, Bor, 2012, Zbornik izvoda radova (Ur.: Ž. Živković, I. Mihajlović), 172, ISBN: 978-86-80987-96-5.

14.Savić, M., Štrbac, N., Zaštita intelektualne svojine u tranzicionim uslovima u Srbiji. VIII Majska konferencija o strategijskom menadžmentu, 25-27. Maj 2012, Bor, Srbija, Zbornik izvoda radova, p. 101, ISBN: 978-86-80987-96-5

15.Č. A. Maluckov, M. K. Radović, S. A. Rančev, G.S. Ristić, J.P. Karamarković, „The distributions of the electrical breakdown time delay of commercial starters“, Book of Abstracts from 9 th Conference of the Society of Physicists of Macedonia, 20-23 September 2012, Ohrid, Macedonia. pp. 64-65.

## **M66–1**

1.Grozdanka Bogdanović, Milan Trumić - Zbornik radova, 7. Simpozijum "Reciklažne tehnologije i održivi razvoj", Izdavač: Tehnički fakultet u Boru, Univerzitet u Beogradu, Sokobanja, 05 – 07. septembra, Srbija, (2012) (ISBN 978-86-80987-97-2)

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## ***6. Doktorske teze iz kategorije M70:***

**$\Sigma = 8$**

## **M71–8**

1.Vladimir Despotović - Projektovanje linearnih i nelinearnih prediktora za adaptivne kodere izvora sa memorijom, 26. Oktobar 2012, Elektronski fakultet, Univerzitet u Nišu, Mentor: Prof. dr Zoran Perić, Elektronski fakultet, Univerzitet u Nišu,

2.Mira Cocić - Primena flotacijske jalovine RTB Bor za staklokeramiku, Cocić Mira, 2012, Univerziteta u Beogradu Rudarsko-geološki fakultet. Dr Mihovil Logar, red. prof., Univerzitet u Beogradu, RGF

3.Vesna Grekulović - Uticaj hloridnih jona i benzotriazola na elektrohemijsko ponašanje legure AgCu50 u alkalnoj sredini, Univerzitet u Beogradu, Tehnički fakultet, Bor, 2012. Mentor: prof. dr. Mirjana Rajčić-Vujasinović, Univerzitet u Beogradu, Tehnički fakultet u Boru

4.Marija Petrović - Koroziono ponašanje bakra u sulfatnoj sredini u prisustvu organskih inhibitora, 2012, Tehnički fakultet u Boru, Univerzitet u Beogradu, mentor prof. dr Milan Antonijević, Tehnički fakultet u Boru, Univerzitet u Beogradu

5. Isidora Milošević - Modelovanje procesa luženja boksita u cilju predviđanje izluženja Al<sub>2</sub>O<sub>3</sub>, 2012.godina, Tehnički fakultet u Boru, Univerzitet u Beogradu, mentor- Živan Živković, Tehnički fakultet u Boru

6.Darko Kocev – Neke selekcionne osobine topoloških prostora i njihovih generalizacija, 2012. godina, PMF Niš, mentor: dr Ljubiša Kočinac, PMF Niš.

7. Jovica Sokolović, Izučavanje fenomena aktivacije površina čestica uglja u procesu flotiranja primenom atricije, TMF Bor, mentor: prof.dr Rodoljub Stanojlović

8. Srba Mladenović, Fizičko-hemijske, mehaničke i strukturne karakteristike livenih bezolovnih lemnih legura u sistemu Sn-Zn-Me (Me-Bi,Sb), TMF Bor, mentor: prof.dr Desimir Marković

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## **7. Tehnička i razvojna rešenja iz kategorije M80:**

**$\Sigma = 8$**

### **M82-4**

1. Tehničko i razvojno rešenje: Novo tehničko rešenje primenjeno na nacionalnom nivou

Mr B. Drobnyaković, dipl.inž.maš., Dr D. Milanović, dipl.inž.rud.-pms, Dr N. Magdalinović, dipl.inž.rud.-pms, Dr R. Jovanović, dipl.inž.rud.-pms, Dr Z. Marković, dipl.inž.rud.-pms, Dr M. Ignjatović, dipl.inž.rud., Dr D. Stanujkić, dipl.inž.maš "Prenamena drobilicnog postrojenja za jalovinu u okviru transportnog sistema za jalovinu od površinskog kopa rudnika Veliki Krivelj do otkopanog prostora površinskog kopa Bor u drobilicno postrojenje I za jalovinu I za rudu."

2. Dragan Milivojević, Viša Tasić, Vladimir Despotović, Marijana Pavlov, Darko Brodić, Vlada Miljković, *Prenosna merna stanica*, 2012.

3. Tehničko-tehnološko rešenje pod nazivom: "Novi materijal Cu-Ag poboljšanih svojstava mehanizmom ojačavanja žarenjem" autora - S. Nestorović, Lj.Ivanić, D. Marković, M. Rajčić-Vujasinović, S. Ivanov, I. Marković, V. Grekulović prihvaćeno za 2012. godinu na Tehničkom fakultetu u Boru. Rezultati tehničkog rešenja se koriste u Fabrici bakarne žice – DOO TIR Bor.

4. L.Gomidželović, A.Kostov, D.Živković, N.Talijan, V.Ćosović, R.Todorović, Novi materijal: ekološki bezolovni lemovi tipa Au<sub>2</sub>-8Ga<sub>25</sub>-40In<sub>12</sub>-48Sb<sub>25</sub>-40, 2012.

### **M83-2**

1. Rodoljub Stanojlović, Milan Trumić, Jovica Sokolović, Nikola Stančev, Tehnološki postupak flotiranja bakra i plemenitih metala iz preliava i peska hidrociklona pri preradi bogate rude bakra RB-Bor, NIO realizatori: Univerzitet u Beogradu, Tehnički fakultet u Boru, Srbija, Recenzenti: Prof. dr Ljubiša Andrić, ITNMS Beograd, Srbija i dr Grozdanka Bogdanović, Tehnički fakultet u Boru, Srbija, Korisnik: RB Bor, Srbija, (2012).

2. Dragan Milivojević, Viša Tasić, Vladimir Despotović, Marijana Pavlov, Darko Brodić, Dejan Tanikić, Vlada Miljković, *Sistem za testiranje temperaturnih senzora*, razvijen u okviru projekata tehnološkog razvoja br. TR34005 i TR33037, 2012.

### **M84-2**

1. D. Kržanović, Z. Vaduvesković, M. Žikić, R. Pantović, S. Stojadinović, N. Vušović, Bitno poboljšanje iskorišćenja raspoloživih geoloških rezervi ležišta Južni revir Majdanpek u novo definisanoj optimalnoj konturi kopa primenom softverskih paketa Whittle i Gemcom, 2012, Tehničko rešenje prihvaćeno na NN Veću Tehničkog fakulteta u Boru, u Proceduri prihvatanja na MNO, Korisnik: RTB Bor-Grupa, Rudnik bakra Majdanpek DOO.

2. Tehničko-tehnološko rešenje pod nazivom: "Poboljšanje svojstava materijala za izradu kokila za livenje zlata i drugih plemenitih metala" autora - S. Ivanov, D. Gusković, Lj. Ivanić, S. Nestorović, B. Marjanović, S. Mladenović, I.

Marković; prihvaćeno za 2012. godinu na Tehničkom fakultetu u Boru (Odluka Nastavno-naučnog veća Fakulteta br. VI/4-3-10 od 21. 12. 2012). Rezultati tehničkog rešenja se koriste u RJ za proizvodnju plemenitih metala – DOO TIR Bor za dobijanje odlivka zadovoljavajućeg kvaliteta u kalupu od sivog liva.

## **8. Citiranost prema SCI listi:**

**$\Sigma = 111$  radova 258 puta**

**Zoran Stević , Zoran Andjelković, Dejan Antić, A New PC and LabVIEW Package Based System for Electrochemical Investigations. *Sensors* 8 (2008) 1819-1831. ISSN 1424-8220; IF(2008)=1.870; M21 (11/56)**

Mladenovic, Srba; Ivanic, Ljubica; Marjanovic, Sasa; et al., ELECTROCHEMICAL AND WETTING BEHAVIOR OF AS-CAST Sn-Zn-Bi LEAD FREE SOLDER ALLOYS, METALURGIJA INTERNATIONAL, 17 (7) 2012, 125-129. (ISSN 1582-2214)

**J. Sokolovic, R. Stanojlovic, Z. Markovic, Effect of oxidation on flotation and electro kinetic properties of coal, *Journal of Mining and Metallurgy A: Mining*, 42 (1) (2006), pp. 69-81.**

S. Dey, Enhancement in hydrophobicity of low rank coal by surfactants-A critical overview, Fuel Processing Technology, 94 (1) (2012), pp. 151–158.

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

W. Xia, J. Yang, Y. Zhao, B. Zhu, Y. Wang, Improving floatability of Taixi anthracite coal of mild oxidation by grinding, Physicochemical Problems of Mineral Processing, 48 (2) (2012), pp. 393–401.

W. Xia, J. Yang, B. Zhu, Flotation of oxidized coal dry-ground with collector, Powder Technology, 228 (2012), pp. 324–326.

W. Xia, J. Yang, B. Zhu, Y. Wang, Effect of grinding on the flotation of oxidized coal, Journal of China Coal Society, 37 (12) (2012), pp. 2087-2091.

**Ilić, I.Z., Živković, D.T., Vüsovíc, N.M., Investigation of the correlation dependence between SO<sub>2</sub> emission concentration and meteorological parameters: Case study-Bor (Serbia), (2010) *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, 45 (7), pp. 901-907., doi: 10.1080/10934521003709149**

Luvsan, M.-E, Shie, R.-H, Purevdorj, T, Badarch, L, Baldorj, B, Chan, C.-C, The influence of emission sources and meteorological conditions on SO<sub>2</sub> pollution in Mongolia, Atmospheric Environment, Volume 61, December 2012, Pages 542-549.

**Tanikic D, Manic M, Radenkovic G, et. al, Metal cutting process parameters modeling: an artificial intelligence approach, *Journal of Scientific and Industrial Research*, 68 (6) 2009, 530-539.**

Penedo F, Haber R.E, Gajate A, et. al. Hybrid Incremental Modeling on Least Squares and Fuzzy K-NN for Monitoring Tool Wear in Turning Processes, IEEE Transactions on Industrial Informatics, 8 (4) 2012, 811-818.

Suhail A.H, Ismail N, Wong S.V, et. al. Single input multi output adaptive network based fuzzy inference system for machinability data selection in turning operations, Manufacturing Science and Technology PTS 1-8, Book Series Advanced Materials Research, Vol 383-390, 2012.



**Cocic, M.; Logar, M.; Cocic, S.; et al., MINERALOGICAL TRANSFORMATIONS IN COPPER CONCENTRATE ROASTING IN FLUO-SOLID REACTOR , JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY , 43 ( 1) 2007, 71-84 DOI: 10.2298/JMMB0701071C**

Xia, Fang; Pring, Allan; Brugger, Joel , Understanding the mechanism and kinetics of pentlandite oxidation in extractive pyrometallurgy of nickel, MINERALS ENGINEERING 27 , 2012, 11-19 DOI: 10.1016/j.mineng.2011.12.001

**Cocic, Mira B.; Logar, Mihovil M.; Cocic, Sasa Lj; et al., Transformation of Chalcopyrite in the Roasting Process of Copper Concentrate in Fluidized Bed Reactor, JOM , 63 (5) 2011, 55-59**

Xia, Fang; Pring, Allan; Brugger, Joel , Understanding the mechanism and kinetics of pentlandite oxidation in extractive pyrometallurgy of nickel, MINERALS ENGINEERING 27 , 2012, 11-19 DOI: 10.1016/j.mineng.2011.12.001

**Stević, Z., Rajčić-Vujasinović, M., Chalcocite as a potential material for supercapacitors, Journal of Power Sources 160 (2 SPEC. ISS.), 2006,1511-1517**

Zhu, T., Xia, B., Zhou, L., Wen Lou, X. Arrays of ultrafine CuS nanoneedles supported on a CNT backbone for application in supercapacitors Journal of Materials Chemistry 22 (16) 2012, 7851-7855.

**Stević, Z., Vujasinović, M.R., Radunović, M. Estimation of parameters obtained by electrochemical impedance spectroscopy on systems containing high capacities (2009) Sensors, 9 (9), pp. 7365-7373.**

Savitha, B., Priyaagomathi, A., Seyezhai, R. Design and simulation of five level multistring inverter for fuel cell applications, (2012) International Conference on Computing, Electronics and Electrical Technologies, ICCEET 2012, art. no. 6203781, pp. 472-476.

**S. Nestorovic, D. Markovic, Lj. Ivanic, Influence of degree of deformation in rolling on anneal hardening effect of a cast copper alloy, Bulletin of Materials Science, (6) (2003) 601-604.**

H. Ehsanian Mofrad, S. Raygan, B. Amin Forghani, K. Hanaei, F.K. Ahadi, Effect of cold-working and aging processes on the microstructure, mechanical properties and electrical conductivity of Cu-13.5%Mn-4%Ni-1.2%Ti alloy, 41 (2012) Materials and Design, pp. 182-191

**Stanković, Z.D., Rajčić-Vujasinović, M., Vuković, M., Krčobić, S., Wragg, A.A. Electrochemical synthesis of cupric oxide powder Part I: Influence of pH, Journal of Applied Electrochemistry 28 (12) 1998, 1405-141.**

Pandey, P., Merwyn, S., Agarwal, G.S., Tripathi, B.K., Pant, S.C. Electrochemical synthesis of multi-armed CuO nanoparticles and their remarkable bactericidal potential against waterborne bacteria, Journal of Nanoparticle Research 14 (1) 2012 , art. no. 709

**Marjanović, S., Gusković, D., Trucić, M., Marjanović, B., Investigation of mechanical and structural characteristics of some alloys in Ag-rich corner of Ag-Cu-Sn system, Journal of Mining and Metallurgy, Section B: Metallurgy, 43 (2) 2007, 177-186.**

Mladenović, S.A., Marković, D.D., Ivanić, L.S., Svetlana, L., Aćimović-Pavlović, Z.S.  
The microstructure and properties of as-cast Sn-Zn-Bi solder alloys [Strukturne i mehaničke karakteristike livenih lemnih legura u sistemu Sn-Zn-Bi], Hemijska Industrija, 66 (4) (2012), 595-600.

**Štrbac, N., Mihajlović, I., Andrić, V., Živković, Ž., Rosić, A., Kinetic investigations of two processes for zinc recovery from zinc plant residue, (2011) Canadian Metallurgical Quarterly, 50 (1), pp. 28-36.**

Janković, B., Stopić, S., Güven, A., Friedrich, B., The application of the formalism of dispersive kinetics for investigation of the isothermal decomposition of zinc leach residue in an inert atmosphere, *Thermochimica Acta*, 546, 20 October 2012, pp. 102-112

Morcali, M.H., Yucel, O., Aydin, A., Derin, B., Carbothermic reduction of electric arc furnace dust and calcination of waelz oxide by semi-pilot scale rotary furnace, *Journal of Mining and Metallurgy, Section B: Metallurgy* 48 (2) (2012), pp. 173-184

**Mitovski, A.M., Živković, D.T., Manasijević, D.M., Minić, D.M., Balanović, L.T., Štrbac, N.D., Thermodynamic analysis and phase equilibria investigation in Pb-Zn-Ag system , (2010) *Hemijska Industrija*, 64 (2), pp. 99-103.**

Ivanov, S.L., Ivanić, L.S., Gusković, D.M., Mladenović, S.A., Optimizacija režima starenja legura na aluminijumskoj osnovi, *Hemijska Industrija* 66 (4) (2012), pp. 601-607.

**Zivkovic Z.D., Strbac N.D., Kinetics and mechanism of leaching of low-quality boehmite bauxite with hydrochloric acid, (1994) *Hydrometallurgy*, 36 (2) , pp. 247-258.**

Swain, R., Rao, R.B., Kinetic study on leaching of iron in Partially Laterised Khondalite rocks for ceramic industrial applications, *International Journal of Mineral Processing* 112-113 (2012), pp. 77-83.

Bao, L., Zhang, T.-A., Nguyen, A.V., Lv, G., Dou, Z., Liu, Y., Study on application of a new model for the kinetics of diasporite leaching process, *TMS Light Metals* , (2012), pp. 9-13.

Begum, S., Shah, M.H., Nauman, M., Preparation of aluminum hydroxide from bauxite with alkaline additives, *Journal of the Chemical Society of Pakistan* 34 (1) (2012), pp. 76-80.

**Sokić, M.D., Matković, V.Lj., Marković, B.R., Štrbac, N.D., Živković, D.T., Passivation of chalcopyrite during the leaching with sulphuric acid solution in presence of sodium nitrate, (2010) *Hemijska Industrija*, 64 (4), pp. 343-350.**

Hu, K.-T., Gu, G.-H., Li, S.-K., Qiu, G.-Z., Bioleaching of chalcopyrite by *Leptospirillum ferriphilum*, *Journal of Central South University of Technology (English Edition)* 19 (6) (2012), pp. 1718-1723.

Sokić, M. , Marković, B. , Matković, V., Kinetics and mechanism of sphalerite leaching by sodium nitrate in sulphuric acid solution, (2012) *Journal of Mining and Metallurgy, Section B: Metallurgy*, 48 (2), 2012, pp. 185-195.

**Štrbac, N., Mihajlović, I., Minić, D., Živković, Ž., Characterization of the natural mineral form from the PbS-Sb<sub>2</sub>S<sub>3</sub> system, (2010) *Journal of Mining and Metallurgy, Section B: Metallurgy*, 46 (1), pp. 75-86.**

Ventruti, G. , Stasi, F., Pinto, D., The plumose boulangerite from bottino, apuan alps, Italy: Crystal structure, od character and twinning , (2012) *Canadian Mineralogist*.

**D. Živković, D. Minić, D. Manasijević, A. Kostov, N. Talijan, Lj. Balanović, A. Mitovski, Ž. Živković, Thermodynamic analysis and characterization of alloys in Bi-Cu-Sb system, *Journal of Mining and Metallurgy, Section B: Metallurgy*, 46(1)B(2010), pp 105-111.**

Prasad, A.D., Sankaranarayanan, S.R., Thermodynamic modeling of deoxidation products and inclusion chemistry in Mn/Si killed tire-cord steel, *Journal of Mining and Metallurgy, Section B: Metallurgy*, 48 (1)(2012), pp. 37-43.

Tang, C., Zhou, P., Zhao, D.D., Yuan, X.M., Tang, Y., Wang, P.S., Hu, B., (...), Xu, H.H., Thermodynamic modeling of the sc-zn system coupled with first-principles calculation, *Journal of Mining and Metallurgy, Section B: Metallurgy*, 48 (1)(2012), pp. 123-130.

**Mitovski, A.M., Balanović, L.T., Živković, D.T., Marjanović, S.R., Marjanović, B.R., Novaković, S.O., Structural and mechanical characteristics of some lead-free Cu-Sn based solder alloys *Hemijaska Industrija*, 62 (3) (2008) , pp. 160-163.**

Mladenović, S., Marković, D., Ivanić, L., Ivanov, S., Gusković, D., The microstructure and mechanical properties of as-cast Sn-Sb-Zn lead free solder alloys, *Metallurgia International* 17 (4) (2012), pp. 42-46.

Mladenović, S.A., Marković, D.D. Ivanić, L.S., Svetlana, L., Aćimović-Pavlović, Z.S., The microstructure and properties of as-cast Sn-Zn-Bi solder alloys, *Hemijaska Industrija*, 66 (4) (2012), pp. 595-600.

**Gomidželović, L., Živković, D., Kostov, A., Mitovski, A., Balanović, L., Comparative thermodynamic study of Ga-In-Sb system, *Journal of Thermal Analysis and Calorimetry*, 103 (3)(2011), pp. 1105-1109.**

Smetana, B., Zlá, S., Kroupa, A., Žaludová, M., Drápala, J., Burkovič, R., Petlák, D., Phase transition temperatures of Sn-Zn-Al system and their comparison with calculated phase diagrams, *Journal of Thermal Analysis and Calorimetry* 110 (1) (2012), pp. 369-378.

Klančnik, G., Medved, J., Ternary invariant point at 403 and 455 °c in the Al-Sb-Zn system: A DTA and DSC studies, *Journal of Thermal Analysis and Calorimetry*, 110 (1)(2012), pp. 243-248.

**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 (2010) 25-32. (14505339 (ISSN)). DOI: 10.2298/jmmb1001025g**

Y.Y. Sun, M. Song, Influence of Al addition on the thermal stability and mechanical properties of Fe-76.5-xCu-1.5Si-13.5b-9Al-x Amorphous Alloys, *Journal of Mining and Metallurgy, Section B: Metallurgy*, 48 (2012) 45-51. (14505339 (ISSN)). DOI: 10.2298/jmmb110727009s

**D. Živković, D. Minić, D. Manasijević, J. Šestak, Ž. Živković, Thermal analysis and prediction of phase equilibria in ternary Pb-Zn-Ag system, *Journal of Mining and Metallurgy, Section B: Metallurgy*, 47 (2011) 23-30.**

A.D. Prasad, S.R. Sankaranarayanan, Thermodynamic modeling of deoxidation products and inclusion chemistry in Mn/Si killed tire-cord steel, *Journal of Mining and Metallurgy, Section B: Metallurgy*, 48 (2012) 37-43.

S.L. Ivanov, L.S. Ivanić, D.M. Gusković, S.A. Mladenović, Optimization of the aging regime of Al-based alloys, *Hemijaska industrija*, 66 (2012) 601-607.

**D. Minić, D. Manasijević, V. Čosović, 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.**

W. Zhai, D.L. Geng, W.L. Wang, B. Wei, A calorimetric study of thermodynamic properties for binary Cu-Ge alloys, *Journal of Alloys and Compounds*, 535 (2012) 70-77.

**I. Ilić, D. Bogdanović, D. Živković, N. Milošević, B. Todorović, Optimization of heavy metals total emission, case study: Bor (Serbia), *Atmospheric Research*, 101 (2011) 450-459.**

L. Li, X. Yang, R. Li, Y. Huang, Lead metal emission and its atmospheric environmental impact predict research for a secondary copper smelting process, *Proceedings - 2012 IEEE International Conference on Cyber Technology in Automation, Control, and Intelligent Systems, CYBER 2012*, art. no. 6320015, 2012, pp. 598-601.

**I. Ilić, D. Živković, N. Vüsovíc, Investigation of the correlation dependence between SO<sub>2</sub> emission concentration and meteorological parameters: Case study-Bor (Serbia), *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, 45 (2010) 901-907.**

M.E. Luvsan, R.H. Shie, T. Purevdorj, L. Badarch, B. Baldorj, C.C. Chan, The influence of emission sources and meteorological conditions on SO<sub>2</sub> pollution in Mongolia, *Atmospheric Environment*, 61 (2012) 542-549.

Li, L., Yang, X., Li, R., Huang, Y., Lead metal emission and its atmospheric environmental impact predict research for a secondary copper smelting process, *Proceedings - 2012 IEEE International Conference on Cyber Technology in Automation, Control, and Intelligent Systems, CYBER 2012* (2012), art. no. 6320015, pp. 598-601.

**S. Marjanović, D. Manasijević, D. Minić, D. Živković, R. Todorović, Thermal analysis of some alloys in the Ag-Cu-Sn ternary system, *Journal of Optoelectronics and Advanced Materials*, 11 (2009) 175-179.**

S.A. Mladenović, D.D. Marković, L.S. Ivanić, L. Svetlana, Z.S. Acimović-Pavlović, The microstructure and properties of as-cast Sn-Zn-Bi solder alloys, *Hemijaska industrija*, 66 (2012) 595-600.

**D. Manasijević, D. Minić, D. Živković, J. Vrešt'ál, A. Aljilji, N. Talijan, J. Stajić-Trošić, S. Marjanović, R. Todorović, Experimental investigation and thermodynamic calculation of the Cu-In-Sb phase diagram, *Calphad: Computer Coupling of Phase Diagrams and Thermochemistry*, 33 (2009) 221-226.**

C.J. Müller, S. Lidin, S.R. De Debiaggi, C.E. Deluque Toro, A.F. Guillermet, Synthesis, structural characterization, and Ab initio study of Cu<sub>5+δ</sub>In<sub>2+x</sub>Sb<sub>2-x</sub>: A new B8-related structure type, *Inorganic Chemistry*, 51 (2012) 10787-10792.

X. Lu, K. Nakajima, H. Sakanakura, K. Matsubae, H. Bai, T. Nagasaka, Thermodynamic estimation of minor element distribution between immiscible liquids in Fe-Cu-based metal phase generated in melting treatment of municipal solid wastes, *Waste Management*, 32 (2012) 1148-1155.

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

S. Hassam, D. Boa, J. Rogez, Calorimetric investigations of Au-In, In-Sb and Au-In-Sb systems at 973 K, *Journal of Alloys and Compounds*, 520 (2012) 65-71.

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

Y.J. Zhang, X.H. Li, L.P. Pan, Y.S. Wei, Influences of mechanical activation on dissolution kinetics and physicochemical properties of indium-bearing zinc ferrite, *Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals*, 22 (2012) 315-323.

Y.J. Xian, S.M. Wen, J.S. Deng, J. Liu, Q. Nie, Leaching chalcopyrite with sodium chlorate in hydrochloric acid solution, *Canadian Metallurgical Quarterly*, 51 (2012) 133-140.

Z.X. Liu, Z.L. Yin, H.P. Hu, Q.Y. Chen, Leaching kinetics of low-grade copper ore with high-alkalinity gangues in ammonia-ammonium sulphate solution, *Journal of Central South University of Technology (English Edition)*, 19 (2012) 77-84.

Z.X. Liu, Z.L. Yin, H.P. Hu, Q.Y. Chen, Leaching kinetics of low-grade copper ore containing calcium-magnesium carbonate in ammonia-ammonium sulfate solution with persulfate, *Transactions of Nonferrous Metals Society of China (English Edition)*, 22 (2012) 2822-2830.

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

J. You, Y. Wang, N. Feng, J. Peng, Y. Di, Study on the effect of Si and suicide on leaching Al<sub>2</sub>O<sub>3</sub> from magnesium smelting reduction slag, *TMS Light Metals*, 2012, pp. 195-199.

J. You, Y. Wang, N. Feng, Magnesium production by aluminothermic reduction in vacuum, *Zhenkong Kexue yu Jishu Xuebao/Journal of Vacuum Science and Technology*, 32 (2012) 312-317.

W. Xie, Z. Li, C. Dang, X. Peng, Z. Shen, Thermodynamics approach for preparation of Mg-Sr alloy using vacuum carbothermic reduction, *Xiyou Jinshu/Chinese Journal of Rare Metals*, 36 (2012) 1-5.

Y. Wang, J. You, N. Feng, W. Hu, Influence of CaF<sub>2</sub> addition on vacuum aluminothermic reduction, *Zhenkong Kexue yu Jishu Xuebao/Journal of Vacuum Science and Technology*, 32 (2012) 889-895.

D. Fu, Y. Wang, J. Peng, Y. Di, S. Tao, N. Feng, Comparison of extracting magnesium by aluminothermic reduction and Pidgeon process, *Advanced Materials Research* (2012) 1779-1783.

J. Djokic, D. Minic, Z. Kamberovic, D. Petkovic, Impact analysis of airborne pollution due to magnesium slag deposit and climatic changes condition, *Ecological Chemistry and Engineering S*, 19 (2012) 439-450.

J. Djokic, D. Minic, Z. Kamberovic, Reuse of metallurgical slag from the silicothermic magnesium production and secondary lead metallurgy, *Metalurgia International*, 17 (2012) 46-52.

Y. Di, J. Peng, Y. Wang, N. Feng, Production of lithium from LiAlO<sub>2</sub> by vacuum aluminothermic reduction, *Zhenkong Kexue yu Jishu Xuebao/Journal of Vacuum Science and Technology*, 32 (2012) 588-592.

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

W. Wang, B. yuan, C. Zhou, Ternary interdiffusion coefficients in  $\alpha$  2 - phase Ti<sub>3</sub>Al/Nb system, *Journal of Mining and Metallurgy, Section B: Metallurgy*, 48 (2012) 283-290.

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

F. Xia, A. Pring, J. Brugger, Understanding the mechanism and kinetics of pentlandite oxidation in extractive pyrometallurgy of nickel, *Minerals Engineering*, 27-28 (2012) 11-19.

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

R.N. Singh, F. Sommer, Viscosity of liquid alloys: Generalization of Andrade's equation, Monatshefte für Chemie, 143 (2012) 1235-1242.

**L. Gomidželović, D. Živković, N. Talijan, D. Manasijević, V. Čosović, A. Grujić, Phase equilibria investigation and characterization of the Au-In-Sb system, Journal of Optoelectronics and Advanced Materials, 10 (2008) 455-460.**

S. Hassam, D. Boa, J. Rogez, Calorimetric investigations of Au-In, In-Sb and Au-In-Sb systems at 973 K, Journal of Alloys and Compounds, 520 (2012) 65-71.

**N. Talijan, V. Čosović, J. Stajić-Trošić, A. Grujić, D. Živković, E. Romanji, Microstructure and properties of silver based cadmium free electrical contact materials, Journal of Mining and Metallurgy, Section B: Metallurgy, 43 (2007) 171-177.**

R. Yamanoglu, E. Karakulak, M. Zeren, Mechanical and wear properties of pre-alloyed molybdenum P/M steels with nickel addition, Journal of Mining and Metallurgy, Section B: Metallurgy, 48 (2012) 251-258.

Lungu, M., Gavrilu, S., Enescu, E., Lucaci, M., Tsakiris, V., Rimbu, G., Properties enhancement of an eco-friendly electrical contact material by silver nanoparticles addition, Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 43 (12) (2012) 4464-4469.

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

J. Safarian, L. Kolbeinsen, M. Tangstad, Thermodynamic activities in silicon binary melts, Journal of Materials Science, 47 (2012) 5561-5580.

**D. Manasijević, J. Vřešťál, D. Minić, A. Kroupa, D. Živković, Ž. Živković, Phase equilibria and thermodynamics of the Bi-Sb-Sn ternary system, Journal of Alloys and Compounds, 438 (2007) 150-157.**

J. Liu, C. Guo, C. Li, Z. Du, Thermodynamic description of the Ag-Bi-Sb system, Thermochemica Acta, 539 (2012) 44-50.

**D. Živković, A. Milosavljević, A. Mitovski, B. Marjanović, Comparative thermodynamic study and characterization of ternary Ag-In-Sn alloys, Journal of Thermal Analysis and Calorimetry, 89 (2007) 137-142.**

D. Li, S. Delsante, A. Watson, G. Borzone, The effect of Sb addition on Sn-based alloys for high-temperature lead-free solders: An investigation of the Ag-Sb-Sn system, Journal of Electronic Materials, 41 (2012) 67-85.

**M. Hebbache, L. Stuparević, D. Živković, A new superhard material: Osmium diboride OsB<sub>2</sub>, Solid State Communications, 139 (2006) 227-231.**

A.L. Ivanovskii, Microhardness of osmium borides, carbides, and nitrides, Inorganic Materials: Applied Research, 3 (2012) 319-322.

A.L. Ivanovskii, Mechanical and electronic properties of diborides of transition 3d-5d metals from first principles: Toward search of novel ultra-incompressible and superhard materials, Progress in Materials Science, 57 (2012) 184-228.

M.B. Kanoun, P. Hermet, S. Goumri-Said, Structure, elastic stiffness, and hardness of Os<sub>1-x</sub>Ru<sub>x</sub>B<sub>2</sub> solid solution transition-metal diborides, *Journal of Physical Chemistry C*, 116 (2012) 11746-11751.

A. Kavner, M.B. Weinberger, A. Shahar, R.W. Cumberland, J.B. Levine, R.B. Kaner, S.H. Tolbert, Lattice strain of osmium diboride under high pressure and nonhydrostatic stress, *Journal of Applied Physics*, 112 (1) (2012) art.No.013526.

K. Li, P. Yang, D. Xue, Anisotropic hardness prediction of crystalline hard materials from the electronegativity, *Acta Materialia*, 60 (2012) 35-42.

Y. Tian, B. Xu, Z. Zhao, Microscopic theory of hardness and design of novel superhard crystals, *International Journal of Refractory Metals and Hard Materials*, 33 (2012) 93-106.

P. Yang, K. Li, D. Xue, Anisotropic hardness estimations of some inorganic functional materials, *Functional Materials Letters*, 5 (1) (2012) art.No.12500038.

M. Zhang, H. Yan, G. Zhang, Q. Wei, H. Wang, First-principles calculations on crystal structure and physical properties of rhenium dicarbide, *Solid State Communications*, 152 (2012) 1030-1035.

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

G. Qiu, S. Ma, Q. Deng, X. Lv, H. Wang, Study on the formation of Ti(C,N) between blast furnace hot metal and slag bearing high TiO<sub>2</sub>, *Metalurgia International*, 17 (2012) 102-107.

S. Ma, G. Qiu, Q. Deng, W. Hua, Formation of Ti(C,N) in blast furnace slag bearing high TiO<sub>2</sub>, *TMS Annual Meeting*, 2012, pp. 113-120.

X. Cheng, X.D. Sun, C. Yuan, N.R. Green, P.A. Withey, An investigation of a TiAlO based refractory slurry face coat system for the investment casting of Ti-Al alloys, *Intermetallics*, 29 (2012) 61-69.

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

R.N. Singh, F. Sommer, Viscosity of liquid alloys: Generalization of Andrade's equation, *Monatshefte fur Chemie*, 143 (2012) 1235-1242.

**L. Stuparević, D. Živković, Phase diagram investigation and thermodynamic study of Os-B system, Journal of Thermal Analysis and Calorimetry, 76 (2004) 975-983.**

Z.W. Ji, C.H. Hu, D.H. Wang, Y. Zhong, J. Yang, W.Q. Zhang, H.Y. Zhou, Mechanical properties and chemical bonding of the Os-B system: A first-principles study, *Acta Materialia*, 60 (2012) 4208-4217.

**Ž. Živković, D. Živković, D. Grujičić, Kinetics and mechanism of the thermal decomposition of M(NO<sub>3</sub>)<sub>2</sub>·nH<sub>2</sub>O (M=Cu, Co, Ni), Journal of Thermal Analysis and Calorimetry, 53 (1998) 617-623.**

M.M. Najafpour, F. Rahimi, M. Amini, S. Nayeri, M. Bagherzadeh, A very simple method to synthesize nano-sized manganese oxide: An efficient catalyst for water oxidation and epoxidation of olefins, *Dalton Transactions*, 41 (2012) 11026-11031.

Formus, D.V., Lyubavin, M.V., Pak, V.N., Formation of copper(II) oxide nanostructures in porous glass as revealed by electrical conductivity measurements, *Russian Journal of Applied Chemistry*, 85 (10) (2012) 1541-1543.

**D. Živković, Ž. Živković, Y.H. Liu, Comparative study of thermodynamic predicting methods applied to the Pb-Zn-Ag system, *Journal of Alloys and Compounds*, 265 (1998) 176-184.**

L. Zhang, X. Song, Y. Song, Z. Sun, Q. Li, L. Wang, A method to estimate the Gibbs free energy of non-equilibrium alloys by thermal analysis, *Journal of Thermal Analysis and Calorimetry*, 110 (2012) 1153-1160.

**V.Ćosović, N. Talijan, D. Živković, D. Minić, Ž. Živković, Comparison of properties of silver-metal oxide electrical contact materials, *Journal of Mining and Metallurgy, Section B: Metallurgy*, 48 (1) (2012) 131-141.**

Lungu, M., Gavrilu, S., Enescu, E., Lucaci, M., Tsakiris, V., Rimbu, G., Properties enhancement of an eco-friendly electrical contact material by silver nanoparticles addition, *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, 43 (12) (2012) 4464-4469.

**Rajčić-Vujasinovic, M., Nestorović, S., Grekulović, V., Marković, I., Stević, Z. Electrochemical behavior of sintered CuAg<sub>4</sub> at. pct alloy, (2010) *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, 41 (5), pp. 955-961.**

Mladenović, S., Ivanić, L., Marjanović, S., Ivanov, S., Gusković, D.  
Electrochemical and wetting behavior of as-cast Sn - Zn - Bi lead free solder alloys  
*Metalurgia International*, 17 (7) (2012), 125-129.

**Milan M. Antonijevic and Miroslava J. Maric, Determination of the content of heavy metals in pyrite contaminated soil and plants, *SENSORS* 8 (9) (2008) 5857-5865**

M. Manojlovic and B. R. Singh, Trace elements in soils and food chains of the Balkan region, *ACTA AGRICULTURAE SCANDINAVICA SECTION B-SOIL AND PLANT SCIENCE* 62 (8) (2012) 673-695

M. Frac, K. Oszust, J. Lipiec, Community level physiological profiles (CLPP), characterization and microbial activity of soil amended with dairy sewage, *SENSORS* 12 (3) (2012) 3253-3268

**Zoran A. Avramovic and Milan M. Antonijevic, Corrosion of cold-deformed brass in acid sulphate solution, *CORROSION SCIENCE* 46 (11) (2004) 2793-2802**

H. Gerengi, K. Schaefer and H. Sahin, Corrosion-inhibiting effect of Mimosa extract on brass-MM55 corrosion in 0.5 M H<sub>2</sub>SO<sub>4</sub> acidic media, *JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY* 18 (6) (2012) 2204-2210

**Z. P. Stevanovic, M. M. Antonijevic, R. Jonovic, Lj. Avramovic, R. Markovic, M. M. Bugarin, V. K. Trujic, 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**

Z. X. Liu, Z. L. Yin, H. P. Hu, Q. Y. Chen, Dissolution kinetics of malachite in ammonia/ammonium sulphate solution, *JOURNAL OF CENTRAL SOUTH UNIVERSITY OF TECHNOLOGY* 19 (4) (2012) 903-910



S. Panda, P. K. Parhi, N. Pradhan, U. B. Mohapatra, L. B. Sukla and K. H. Park, Extraction of copper from bacterial leach liquor of a low grade chalcopyrite test heap using LIX 984N-C, *HYDROMETALLURGY* 121 (2012) 116-119

Z. X. Liu, Z. L. Yin, H. P. Hu, Q. Y. Chen, catalytic-oxidative leaching of low-grade complex zinc ore by Cu (II) ions produced from copper ore in ammonia-ammonium sulfate solution, *METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE* 43 (5) (2012) 1019-1026

**Vinod K. Gupta, D. K. Chauhan, V. K. Saini, S. Agarwal, Milan M. Antonijevic and H. Lang, A porphyrin based potentiometric sensor for Zn<sup>2+</sup> determination, *SENSORS* 3 (7) (2003) 223-235**

P. Kumar, S. K. Mittal, S. K. A. Kumar, Neutral carrier-based zinc-selective electrode, *SENSOR LETTERS* 10 (3-4) (2012) 979-984

D. Vlascici, E. Fagadar-Cosma, I. Popa, V. Chiriac, M. Gil-Agusti, A novel sensor for monitoring of Iron (III) ions based on porphyrins, *SENSORS* 12 (6) (2012) 8193-8203

R. Ansari, A. F. Delaver and A. Mohammad-Khah, Solid-state ion selective electrode based on polypyrrole conducting polymer nanofilm as a new potentiometric sensor for Zn<sup>2+</sup> ion, *JOURNAL OF SOLID STATE ELECTROCHEMISTRY* 16 (10) (2012) 3315-3322

M. A. Abbasi, Z. H. Ibutoto, M. Hussain, Y. Khan, A. Khan, O. Nur, M. Willander, Potentiometric zinc ion sensor based on honeycomb-like NiO nanostructures, *SENSORS* 12 (11) (2012) 15424-15437

D. Wilson, J. M. Gutierrez, S. Alegret, M. del Valle, Simultaneous determination of Zn(II), Cu(II), Cd(II) and Pb(II) in soil samples employing an array of potentiometric sensors and an artificial neural network model, *ELECTROANALYSIS* 24 (12) (2012) 2249-2256

**Vinod K. Gupta, Milan M. Antonijevic, S. Chandra and S. Agarwai, Polystyrene based silver selective electrodes, *SENSORS* 2 (6) (2002) 233-243**

E. Lee, E. Jeong, S. Jeon, A potentiometric sensor of silver ions based on the Schiff base of diphenol, *JOURNAL OF SOLID STATE ELECTROCHEMISTRY* 16 (8) (2012) 2591-2596

**Gupta Vinod K., Jain Rajeev, Antonijevic Milan M., Khani Hadi, Siddiqui M. N. Dwivedi Ashish, Agarwal Shilpi, Assay of Nimodipine - an Anti Hypertensive drug, in Bulk Form and Pharmaceutical Formulations by Cathodic Adsorptive Stripping Voltammetry, *INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE*, 6 (2011), br. 1, str. 37-51**

Ghoneim M.M., Hassanein A. M. , Salahuddin N.A., El-Desoky H. S., Elfiky M. N., Adsorptive Stripping Voltammetry Determination of the Hormone Therapy Raloxifene HCl in Formulation and Human Serum, *JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY* 23 (9) (2012) 1594-1605.

**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**

S. Pintado, R. R. Amaro, M. Mayén, J. M. R. Mellado, Electrochemical determination of the glyphosate metabolite aminomethylphosphonic acid (AMPA) in drinking waters with an electrodeposited copper electrode, *International Journal of Electrochemical Science*, 7 (1) (2012) 305-312

M. T. Montañés, R. Sánchez-Tovar, J. Garcia-Antón, V. Pérez-Herranz, Effects of flow variations on the galvanic corrosion of the copper/AISI 304 stainless steel pair in lithium bromide using a zero-resistance ammeter, *International Journal of Electrochemical Science*, 7 (1) (2012) 747-759

El-Sayed M. Sherif, Electrochemical and gravimetric Study on the Corrosion and Corrosion Inhibition of Pure Copper in Sodium Chloride Solutions by Two Azole Derivatives, *International Journal of Electrochemical Science*, 7 (2) (2012) 1482-1495

K. Mrazová, T. Navrátil, D. Pelclová, Consequences of ingestions of potentially corrosive cleaning products, one-year follow-up, *International Journal of Electrochemical Science*, 7 (3) (2012) 1734-1748

El-Sayed M. Sherif, Corrosion Behavior of Copper in 0.50 M Hydrochloric Acid Pickling Solutions and its Inhibition by 3-Amino-1,2,4-triazole and 3-Amino-5-mercapto-1,2,4-triazole, *International Journal of Electrochemical Science*, 7 (3) (2012) 1884-1897

S. Pintado, M. R. Montoya, R. Rodriguez-Amaro, M. Mayén, J. M. R. Mellado, Electrochemical determination of glyphosate in waters using electrogenerated copper ions, *International Journal of Electrochemical Science*, 7 (3) (2012) 2523-2530

E.M. Sherif, Inhibition of copper corrosion reactions in neutral and acidic chloride solutions by 5-ethyl-1,3,4-thiadiazol-2-amine as a corrosion inhibitor, *International Journal of Electrochemical Science*, 7 (4) (2012) 2832-2845

**M.M. Antonijević, G.D. Bogdanović, M.B. Radovanović, M.B. Petrović, A.T. Stamenković, Influence of pH and Chloride Ions on Electrochemical Behavior of Brass in Alkaline Solution, *International Journal of Electrochemical Science*, 4 (5) (2009) 654-661**

M. T. Montañés, R. Sánchez-Tovar, J. Garcia-Antón, V. Pérez-Herranz, Effects of flow variations on the galvanic corrosion of the copper/AISI 304 stainless steel pair in lithium bromide using a zero-resistance ammeter, *International Journal of Electrochemical Science*, 7 (1) (2012) 747-759

K. Mrazová, T. Navrátil, D. Pelclová, Consequences of ingestions of potentially corrosive cleaning products, one-year follow-up, *International Journal of Electrochemical Science*, 7 (3) (2012) 1734-1748

**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**

El-Sayed M. Sherif, Electrochemical and gravimetric Study on the Corrosion and Corrosion Inhibition of Pure Copper in Sodium Chloride Solutions by Two Azole Derivatives, *International Journal of Electrochemical Science*, 7 (2) (2012) 1482-1495

K. Mrazová, T. Navrátil, D. Pelclová, Consequences of ingestions of potentially corrosive cleaning products, one-year follow-up, *International Journal of Electrochemical Science*, 7 (3) (2012) 1734-1748

El-Sayed M. Sherif, Corrosion Behavior of Copper in 0.50 M Hydrochloric Acid Pickling Solutions and its Inhibition by 3-Amino-1,2,4-triazole and 3-Amino-5-mercapto-1,2,4-triazole, *International Journal of Electrochemical Science*, 7 (3) (2012) 1884-1897

E.M. Sherif, Inhibition of copper corrosion reactions in neutral and acidic chloride solutions by 5-ethyl-1,3,4-thiadiazol-2-amine as a corrosion inhibitor, *International Journal of Electrochemical Science*, 7 (4) (2012) 2832-2845

**M.M. Antonijević, S.M. Milić, M.B. Radovanović, M.B. Petrović, A.T. Stamenković, Influence of pH and chlorides on electrochemical behavior of brass in presence of benzotriazole, *International Journal of Electrochemical Science*, 4 (12) (2009) 1719-1734**

K. Mrazová, T. Navrátil, D. Pelclová, Consequences of ingestions of potentially corrosive cleaning products, one-year follow-up, *International Journal of Electrochemical Science*, 7 (3) (2012) 1734-1748

M. Saleem, M. H. Chakrabarti, D.B. Hasan, M.S. Islam, R. Yussof, S.A. Hajimolana, M.A. Hussain, G.M.A. Khan, B.S. Ali, On site electrochemical production of sodium hypochlorite disinfectant for a power plant utilizing seawater, *International Journal of Electrochemical Science*, 7 (5) (2012) 3929-3938

**M.M. Antonijević and M. Petrović, Copper corrosion inhibitors. A review, *International Journal of Electrochemical Science*, 3 (2008) 1-28**

Fernando Isurika R., Jianrattanasawat Sarut, Daskalakis Nikos, Demadis Konstantinos D., Mezei Gellert, Mapping the supramolecular chemistry of pyrazole-4-sulfonate: layered inorganic-organic networks with  $Zn^{2+}$ ,  $Cd^{2+}$ ,  $Ag^+$ ,  $Na^+$  and  $NH_4^+$ , and their use in copper anticorrosion protective films, *CRYSTENGCOMM*, 14 (3) (2012) 908-919

Elia A., De Wael K., Dowsett M., Adriaens A., Electrochemical deposition of a copper carboxylate layer on copper as potential corrosion inhibitor, *Journal of Solid State Electrochemistry*, 16 (1) (2012) 143-148

Fan, H.Q.; Li, S.Y.; Shi, Z.C.; Lv, X.F.; Zhao, Z.C. Studies of the conversion coatings formed by combined use of lanthanum salt and benzotriazole on commercial brass, *Anti-corrosion Methods and Materials*, 59 (1) (2012) 32-38

Yanardag, T.; Ozbay, S.; Dincer, S.; Aksut, A.A., Corrosion Inhibition Efficiency of Benzimidazole and Benzimidazole Derivatives for Zinc, Copper and Brass, *Asian Journal of Chemistry*, 24 (1) (2012) 47-52

Biswas Brozendra Nath; Mollah M. Yousuf A.; Susan Md. Abu Bin Hasan, Potentiodynamic studies on corrosion of copper by chloride ions and its inhibition by inorganic and organic ions in aqueous buffer solution, *Ionics*, 18 (1-2) (2012) 189-195

El-Sayed M. Sherif, Corrosion Behavior of Copper in 0.50 M Hydrochloric Acid Pickling Solutions and its Inhibition by 3-Amino-1,2,4-triazole and 3-Amino-5-mercapto-1,2,4-triazole, *International Journal of Electrochemical Science*, 7 (3) (2012) 1884-1897

Hong, S.; Chen, W.; Luo, H.Q.; Li, N.B., Inhibition effect of 4-amino-antipyrine on the corrosion of copper in 3 wt.% NaCl solution, *Corrosion Science*, 57 (2012) 270-278

Levin M., Wiklund P., Leygraf C., Bioorganica compounds as copper corrosion inhibitors in hydrocarbon media, *Corrosion Science*, 58 (2012) 104-114

Contu F., Taylor S.R., Further insight into the mechanism of Re-Ni electrodeposition from concentrated aqueous citrate baths, *Electrochimica Acta*, 70 (2012) 34-41

Grekulovic, V., Rajcic-Vujasinovic M., Pesic, B., Stevic Z., Influence of BTA on electrochemical behavior of AgCu50 alloy, *International Journal of Electrochemical Science*, 7 (6) (2012) 5231-5245

Kazansky, L. P.; Selyaninov, I. A.; Kuznetsov, Yu. I., Adsorption of 2-mercaptobenzothiazole on copper surface from phosphate solutions, *Applied Surface Science*, 258 (18) (2012) 6807-6813

Chen W., Hong S., Li H.B., Luo H.Q., Li M., Li N.B., Protection of copper corrosion in 0.5 M NaCl solution by modification of 5-mercapto-3-phenyl-1,3,4-thiadiazole-2-thione potassium self-assembled monolayer, *Corrosion Science*, 61 (2012) 53-62

Wang W.H., Li Z., Sun Q., Du A.J., Li Y.L., Wang J., Bi S.W., Li P., Insights into the nature of the coupling interactions between uracil corrosion inhibitors and copper: A DFT and molecular dynamics study, *Corrosion Science*, 61 (2012) 101-110

Lokesh, K.S.; De Keersmaecker, M.; Elia, A.; Depla, D.; Dubruel, P.; Vandenabeele, P.; Van Vlierberghe, S.; Adriaens, A., Adsorption of cobalt (II) 5,10,15,20-tetrakis (2-aminophenyl)-porphyrin onto copper substrates: Characterization and impedance studies for corrosion inhibition, *Corrosion Science*, 62 (2012) 73-82

Ebadi, M.; Basirun, W.J.; Leng, S.Y.; Mahmoudian, M.R., Investigation of Corrosion Inhibition Properties of Caffeine on Nickel by Electrochemical Techniques, *International Journal of Electrochemical Science*, 7 (9) (2012) 8052-8063

Carrillo, I.; Valdez, B.; Zlatev, R.; Stoytcheva, M.; Carrillo, M.; Bassler, R., Electrochemical Study of Oxyanions Effect on Galvanic Corrosion Inhibition, *International Journal of Electrochemical Science*, 7 (9) (2012) 8688-8701

Sun, S.Q.; Geng, Y.F.; Tian, L.; Chen, S.H.; Yan, Y.G.; Hu, S.Q., Density functional theory study of imidazole, benzimidazole and 2-mercaptobenzimidazole adsorption onto clean Cu(111) surface, *Corrosion Science*, 63 (2012) 140-147

Bostan, R.; Varvara, S.; Gaina, L.; Muresan, L.M., Evaluation of some phenothiazine derivatives as corrosion inhibitors for bronze in weakly acidic solution, *Corrosion Science*, 63 (2012) 275-286

Dang, Z.M.; Zhang, B.; Li, J.G.; Zha, J.W.; Hu, G.H., Copper particles/epoxy resin thermosetting conductive adhesive using polyamide resin as curing agent, *Journal of Applied Polymer Science*, 126 (3) (2012) 815-821

**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**

Fernando Isurika R., Jianrattanasawat Sarut, Daskalakis Nikos, Demadis Konstantinos D., Mezei Gellert, Mapping the supramolecular chemistry of pyrazole-4-sulfonate: layered inorganic-organic networks with  $Zn^{2+}$ ,  $Cd^{2+}$ ,  $Ag^+$ ,  $Na^+$  and  $NH_4^+$ , and their use in copper anticorrosion protective films, *CRYSTENGCOMM*, 14 (3) (2012) 908-919

Souto R.M., Socas B., Izquierdo J., Santana J.J., Gonzalez S., New opportunities for the study of organic films applied on metals for corrosion protection by means of alternating current scanning electrochemical microscopy, *Progress in Organic Coatings*, 74 (2) SI (2012) 371-375

Izquierdo J., Santana J.J., Gonzalez S., Souto R.M., Scanning microelectrochemical characterization of the anti-corrosion performance of inhibitor films formed by 2-mercaptobenzimidazole on copper, *Progress in Organic Coatings*, 74 (3) (2012) 526-533

Santana J.J., Pahler M., Schuhmann W., Souto R.M., Investigation of Copper Corrosion Inhibition with Frequency-Dependent Alternating-Current Scanning Electrochemical Microscopy, *CHEMPLUSCHEM*, 77 (8) SI (2012) 707-712

Chen Y., Chen S., Lei Y., Surface Structure and Anti-Corrosion Properties of Copper Treated by a Dopamine-Assisted 11-Mercaptoundecanoic Acid Film, *Corrosion*, 68 (8) (2012) 747-753

Cui G.J., Bi Q.L., Zhu S.Y., Yang J., Liu W.M., Tribological properties of bronze-graphite composites under sea water condition, *Tribology International*, 53 (2012) 76-86

Fernandez-Domene R.M., Blasco-Tamarit E., Garcia-Garcia D.M., Garcia-Anton J., Thermogalvanic effects on the corrosion of copper in heavy brine LiBr solutions, *Corrosion Science*, 63 (2012) 304-315

Obot I.B., Ebenso E.E., Obi-Egbedi N.O., Afolabi A.S., Gasem Z.M., Experimental and theoretical investigations of adsorption characteristics of itraconazole as green corrosion inhibitor at a mild steel/hydrochloric acid interface, *Research on Chemical Intermediates*, 38 (8) (2012) 1761-1779

Cui G.J., Bi Q.L., Zhu S.Y., Yang J., Liu W.M., Tribological behavior of Cu-6Sn-6Zn-3Pb under sea water, distilled water and dry-sliding conditions, *Tribology International*, 55 (2012) 126-134

**Milan M. Antonijevic and Snezana M. Milic, Electrochemical behavior of Cu<sub>24</sub>Zn<sub>5</sub>Al alloy in alkaline medium in the presence of chloride ions and benzotriazole, MATERIALS CHEMISTRY AND PHYSICS 118 (2-3) (2009) 385-391**

Y. Q. Wang, Y. W. Shao, G. Z. Meng, T. Zhang and F. H. Wang, Study on passivating treatment of Cu-Ni alloy in compound passivant containing benzotriazole, *ACTA METALLURGICA SINICA* 48 (6) (2012) 744-748

Z. Y. Chen, L. Huang, G. A. Zhang, Y. B. Qiu and X. P. Guo, Benzotriazole as a volatile corrosion inhibitor during the early stage of copper corrosion under adsorbed thin electrolyte layers, *CORROSION SCIENCE* 65 (2012) 214-222

**Serbula M. Snezana, Antonijevic M. Milan, Milosevic M. Novica, Milic M. Snezana, Ilic A. Ana, Concentrations of particulate matter and arsenic in Bor (Serbia), JOURNAL OF HAZARDOUS MATERIALS, 181 (1-3) (2010), 43-51.**

Kardel F., Wuyts K., Maher B. A., Samson R., Intra-urban spatial variation of magnetic particles: Monitoring via leaf saturation isothermal remanent magnetisation (SIRM), *ATMOSPHERIC ENVIRONMENT* 55 (2012) 111-120.

Yang G. S., Ma L. L., Xu D. D., Li J., He T. T., Liu L. Y., Jia H. L., Zhang Y. B., Chen Y., Chai Z. F., Levels and speciation of arsenic in the atmosphere in Beijing, China, *CHEMOSPHERE* 87 (8) (2012) 845-850.

Sanchez-Rodas D., de la Campa A. S., Oliveira V., de la Rosa J., Health implications of the distribution of arsenic species in airborne particulate matter, *JOURNAL OF INORGANIC BIOCHEMISTRY* 108 (2012) 112-114.

Fang G. C., Huang Y. L., Huang J. H., Liu C. K., Optimum particle size for prediction of ambient air arsenic dry deposition in central Taiwan, *ATMOSPHERIC RESEARCH*, 104 (2012) 255-263.

Fang G. C., Chang C. Y., Huang Y. L., Huang J. H., Atmospheric Arsenic (As) Concentrations in Different Countries During 2000-2011, *ENVIRONMENTAL FORENSICS*, 13 (1) (2012) 27-31

Tasić, V. , Milošević, N., Kovačević, R., Jovašević-Stojanović, M., Dimitrijević, M.; Indicative levels of PM in the ambient air in the surrounding villages of the Copper Smelter Complex Bor, Serbia, *CHEMICAL INDUSTRY AND CHEMICAL ENGINEERING QUARTERLY*, 2012, Volume 18, Issue 4 II, pp. 643-652. DOI: 10.2298/CICEQ111228109T

Fang G-C, Huang J-H, Liu C-K, Huang Y-L.; Measuring and modeling atmospheric arsenic pollutants, total As, As(III), and As(V), at five characteristic sampling sites. *AEROSOL AND AIR QUALITY RESEARCH*; 2012, Volume 12, Issue: 2, pp. 200-210. DOI: 10.4209/aaqr.2011.07.0111

Fang, G.-C., Huang, Y.-L., Huang, J.-H.; Atmospheric arsenic (As) study at five characteristic sampling sites in Taiwan; *ENVIRONMENTAL MONITORING AND ASSESSMENT*; 2012, Volume 184, Issue 2, pp. 729-740. DOI: 10.1007/s10661-011-1997-7

**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.**

Venkatesh R. P., Kwon T. Y., Prasad Y. N., Ramanathan S., Park J. G., Characterization of TMAH based cleaning solution for post Cu-CMP application, *MICROELECTRONIC ENGINEERING*, 102 (SI) (2013) 74-80.

Chen Z. Y., Huang L., Zhang G. A., Qiu Y. B., Guo X. P., Benzotriazole as a volatile corrosion inhibitor during the early stage of copper corrosion under adsorbed thin electrolyte layers, *CORROSION SCIENCE*, 65 (2012) 214-222.

Markevicius G., Chaudhri S., Bajracharya C., Rastogi R., Xiao J., Burnett C., Chastek T. Q., Polyoligomeric silsesquioxane (POSS)-hydrogenated polybutadiene polyurethane coatings for corrosion inhibition of AA2024, *PROGRESS IN ORGANIC COATINGS*, 75 (4) (2012) 319-327.

Liu S., Dong J., Guan W.W., Duan J. M. Jiang R. Y., Feng Z. P., Song W. J., The synergistic effect of Na<sub>3</sub>PO<sub>4</sub> and benzotriazole on the inhibition of copper corrosion in tetra-n-butylammonium bromide aerated aqueous solution, *MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION*, 63 (11) (2012) 1017-1025.

Simbeck T., Hammer M. M., Thomaier S., Stock C., Riedl E., Gores H. J., Kinetics of adsorption of poly(vinylimidazole) (PVI) onto copper surfaces investigated by quartz crystal microbalance studies, *JOURNAL OF SOLID STATE ELECTROCHEMISTRY*, 16 (11) (2012) 3467-3472.

Bostan R., Varvara S., Gaina L., Muresan L. M., Evaluation of some phenothiazine derivatives as corrosion inhibitors for bronze in weakly acidic solution, *CORROSION SCIENCE*, 63 (2012) 275-286.

Fernandez-Domene R. M., Blasco-Tamarit E., Garcia-Garcia D. M., Garcia-Anton J., Thermogalvanic effects on the corrosion of copper in heavy brine LiBr solutions, *CORROSION SCIENCE*, 63 (2012) 304-315.

Raj X. J., Rajendran N., Effect of Some Oxadiazole Derivatives on the Corrosion Inhibition of Brass in Natural Seawater, *JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE*, 21 (7) (2012) 1363-1373.

Grekulovic V., Rajcic-Vujasinovic M., Pesic B., Stevic Z., Influence of BTA on Electrochemical Behavior of AgCu50 Alloy, *INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE*, 7 (6) (2012) 5231-5245.

Yuan B. Y., Wang C., Li L., Chen S. H., Investigation of the effects of the magnetic field on the anodic dissolution of copper in NaCl solutions with holography, *CORROSION SCIENCE*, 58 (2012) 69-78.

Sherif E. M., Inhibition of Copper Corrosion Reactions in Neutral and Acidic Chloride Solutions by 5-Ethyl-1,3,4-thiadiazol-2-amine as a Corrosion Inhibitor, *INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE*, 7 (4) (2012) 2832-2845.

Al Kharafi F. M., Ghayad I. M., Abdullah R. M., Corrosion Inhibition of Copper in Non-polluted and Polluted Sea Water Using 5-phenyl-1-H-tetrazole, *INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE*, 7 (4) (2012) 3289-3298.

Sherif E. M., Corrosion Behavior of Copper in 0.50 M Hydrochloric Acid Pickling Solutions and its Inhibition by 3-Amino-1,2,4-triazole and 3-Amino-5-mercapto-1,2,4-triazole, *INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE*, 7 (3) (2012) 1884-1897.

Sherif E. M., Electrochemical and Gravimetric Study on the Corrosion and Corrosion Inhibition of Pure Copper in Sodium Chloride Solutions by Two Azole Derivatives, *INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE*, 7 (2) (2012) 1482-1495.

Grekulovic V., Rajcic-Vujasinovic M., Electrochemical Behavior of AgCu Alloy in Alkaline Medium in the Presence of Chloride Ions, *CORROSION*, 68 (2) (2012) DOI: 10.5006/1.3683225.

**M.M. Antonijević, G.D. Bogdanović, S.M. Šerbula, S.M. Milić, Influence of grain size on chalcopyrite ore leaching in acidic medium, *Journal of the Serbian Chemical Society*, 72 (8-9) (2007) 911-919**

Markovic R., Stevanovic J., Avramovic L., Nedeljkovic D., Jugovic B., Stajic-Trosic J., Gvozdenovic M., Copper-sulfate pentahydrate as a product of the waste sulfuric acid solution treatment, *Metallurgical and Materials Transactions B-Process Metallurgy and Materials Processing Science*, 43 (6) (2012) 1388-1392

**Antonijevic, M.M., Dimitrijevic M.D., Serbula S.M., Dimitrijevic V.LJ., Bogdanovic G.D., Milic S.M., Influence of inorganic anions on electrochemical behaviour of pyrite, *Electrochimica Acta*, 50 (20) (2005) 4160-4167**

Markovic R., Stevanovic J., Avramovic L., Nedeljkovic D., Jugovic B., Stajic-Trosic J., Gvozdenovic M., Copper-sulfate pentahydrate as a product of the waste sulfuric acid solution treatment, *Metallurgical and Materials Transactions B-Process Metallurgy and Materials Processing Science*, 43 (6) (2012) 1388-1392

Wang, N., Yi, X.-Y., Dang, Z., Liu, Y., Investigation on mechanism of pyrite oxidation in acidic solutions, *Huanjing Kexue/Environmental Science*, 33 (11) (2012) 3916-3921

**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 (18) (2005) 3693-3701**

Simbeck, T. ; Hammer, M.M. ; Thomaier, S.; Stock, C.; Riedl, E.; Gores, HJ., Kinetics of adsorption of poly(vinylimidazole) (PVI) onto copper surfaces investigated by quartz crystal microbalance studies, *Journal of Solid State Electrochemistry*, 16 (11 SI) (2012) 3467-3472

Wang, Y.Q.; Shao, Y.W.; Meng, G.Z.; Zhang, T.; Wang, F.H., study on passivating treatment of Cu-Ni alloy in compound passivant containing benzotriazole, *Acta Metallurgica Sinica*, 48 (6) (2012) 744-748

Grekulovic V., Rajcic-Vujasinovic M., Electrochemical Behavior of AgCu Alloy in Alkaline Medium in the Presence of Chloride Ions, *Corrosion*, 68 (2) (2012) Article Number: 025003 DOI: 10.5006/1.3683225

**Antonijevic M.M., Jankovic Z.D., Dimitrijevic M.D., Kinetics of chalcopyrite dissolution by hydrogen peroxide in sulphuric acid, *Hydrometallurgy*, 71(3-4) (2004) 393-334**

Liu, Z.X.; Yin, Z.L.; Hu, H.P.; Chen, Q.Y., Leaching kinetics of low-grade copper ore containing calcium-magnesium carbonate in ammonia-ammonium sulfate solution with persulfate, *Transactions of Nonferrous Metals Society of China*, 22 (11) (2012) 2822-2830

Dakubo, F.; Baygents, J.C.; Farrell, J., Peroxodisulfate assisted leaching of chalcopyrite, *Hydrometallurgy*, 121 (2012) 68-73

Zhou, X.J.; Wei, C.; Xia, W.T.; Li, M.T.; Li, C.X.; Deng, Z.G.; Xu, H.S., Dissolution kinetics and thermodynamic analysis of vanadium trioxide during pressure oxidation, *Rare Metals*, 31 (3) (2012) 296-302

Xian, Y.J.; Wen, S.M.; Deng, J.S.; Liu, J.; Nie, Q., Leaching chalcopyrite with sodium chlorate in hydrochloric acid solution, *Canadian Metallurgical Quarterly*, 51 (2) (2012) 133-140

Deng, J.S.; Wen, S.M.; Xian, Y.J.; Liu, J.; Liu, D., Spectroscopic Characterization of Dissolubility and Surface Properties of Chalcopyrite in Aqueous Solution, *Spectroscopy and Spectral Analysis*, 32 (2) (2012) 519-524

Hong, J.; Yin, W.Z.; Ma, Y.Q.; Kim, C., Catalytic Oxidation Pretreatment of Sulfide-rich Arsenic-Bearing Refractory Gold Concentrate by Hydrogen Peroxide in Sulfuric Acid in Tongling, China, *Powder Technology & Applications, IV Book Series: Advanced Materials Research*, 454 (2012) 162-167

Pedroza, F.R.C.; Aguilar, M.D.S.; Trevino, T.P.; Luevanos, A.M.; Castillo, M.S., Treatment of sulfide minerals by oxidative leaching with ozone, *Mineral Processing And Extractive Metallurgy Review*, 33 (4) (2012) 269-279

Barik, S.P.; Park, K.H.; Parhi, P.K.; Park, J.T., Direct leaching of molybdenum and cobalt from spent hydrodesulphurization catalyst with sulphuric acid, *Hydrometallurgy*, 111 (2012) 46-51

Solis-Marcial, O.J. and Lapidus, G.T. (2012) Leaching of Chalcopyrite Concentrate with Organic Ligand Compounds, in T.T. Chen Honorary Symposium on Hydrometallurgy, Electrometallurgy and Materials Characterization (eds S. Wang, J. E. Dutrizac, M. L. Free, J. Y. Hwang and D. Kim), John Wiley & Sons, Inc., Hoboken, NJ, USA. doi: 10.1002/9781118364833.ch55



**Mihajlovic, L.V.; Mihajlovic, R.P.; Antonijevic, M.M.; Vukanovic, B.V., Natural monocrystalline pyrite as a sensor in non-aqueous solution - Part 1: Potentiometric titration of weak acids in, N,N-dimethylformamide, methylpyrrolidone and pyridine, *Talanta*, 64 (4) (2004) 879-886**

Stanic, Zorka; Dimic, Tijana; Simic, Zoran, Noble Metal Oxides Electrodes and Analytical Application Thereof for Acid-Base Titrations in Non-Aqueous Solvents, *Journal of the Electrochemical Society*, 159 (5) (2012) J168-J175

**S. Milić, N. Colović, M. Antonijević, F. Gaál, A Thermoanalytical Study of the Solid State Reactions in the  $K_2CO_3$ - $M_xO_y$  Systems. Evidence for a kinetic compensation effect, *Journal of Thermal Analysis and Calorimetry*, 61 (1) (2000) 229-238**

Gu, H.M.; Shen, L.H.; Xiao, J.; Zhang, S.W.; Song, T.; Chen, D.Q., Iron ore as oxygen carrier improved with potassium for chemical looping combustion of anthracite coal, *Combustion and Flame*, 159 (7) (2012) 2480-2490

**Antonijevic M.M., Dimitrijevic M.D., Stevanovic Z.O., Serbula S.M., Bogdanovic G.D. Investigation of the possibility of copper recovery from the flotation tailings by acid leaching, (2008) *Journal of Hazardous Materials*, 158 (1) , 23-34.**

Liu, Z.-X., Yin, Z.-L., Hu, H.-P., Chen, Q.-Y., Dissolution kinetics of malachite in ammonia/ammonium sulphate solution, *Journal of Central South University of Technology (English Edition)* 19 (4) , 2012, 903-910

Ou, L.-M., Yin, B.-Y., A flotation technique for a sulfide-oxidized Cu-Co mixed ore, *Advanced Materials Research* 402 , 2012, pp. 564-571

Liu, Z.-X., Yin, Z.-L., Hu, H.-P., Chen, Q.-Y. Leaching kinetics of low-grade copper ore with high-alkalinity gangues in ammonia-ammonium sulphate solution, *Journal of Central South University of Technology (English Edition)* 19 (1) , 2012, 77-84

Markovic, Radmila; Stevanovic, Jasmina; Avramovic, Ljiljana; et al. Copper-Sulfate Pentahydrate as a Product of the Waste Sulfuric Acid Solution Treatment, *METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE*, 43, (6) 2012, 1388-1392, DOI: 10.1007/s11663-012-9721-8

**M.M.Antonijević, G.D.Bogdanović, Investigation of the leaching of chalcopyritic ore in acidic solutions, *Hydrometallurgy* (ISSN 0304-386X), 73(2004), 245-256.**

Qin, W., Jiao, F., Sun, W. et al. Selective Flotation of Chalcopyrite and Marmatite by MBT and Electrochemical Analysis, *Industrial & Engineering Chemistry Research*, 51 (35) (2012),11538-11546.

Carrillo , P., Francisco, R., Soria, A., Maria de Jesus; Pecina Trevino, T. et al. Treatment Of Sulfide Minerals By Oxidative Leaching With Ozone, *Mineral Processing And Extractive Metallurgy Review*, 33 (4)(2012), 269-279.

Wu, A.-X., Wang, S.-Y., Yin, S.-H., Yan, J.-L. Chemical precipitation and control in process of heap leaching of high-alkali oxide copper ore, *Zhongnan Daxue Xuebao (Ziran Kexue Ban)/Journal of Central South University (Science and Technology)* 43 (5)(2012),1851-1857.

**S.M.Milić, M.M.Antonijević, S.M., Šerbula, G.D.,Bogdanović, Influence of benzotriazole on corrosion behaviour of CuAlNiSi alloy in alkaline medium, Corrosion Engineering Science and Technology (ISSN 1478-422X), 43 (1)(2008) 30-37.**

M.B.Petrovic, A. T.Simonovic, M.B.Radovanovic, et al., Influence of purine on copper behavior in neutral and alkaline sulfate solutions, *CHEMICAL PAPERS*, 66 ( 7 ) (2012) 664-676 .

**D.Božić, V. Stanković, M. Gorgievski, G. Bogdanović, R. Kovačević, Adsorption of heavy metal ions by sawdust of deciduous trees, Journal of Hazardous Materials (ISSN 0304-3894), Volume 171, Issues 1-3, (2009) 684-692.**

Bouziane, L., Bendebane, F., Ismail, F.; et al., Removal of zinc and cadmium from an aqueous solution using sawdust as a low-cost adsorbent: application of Plackett-Burman design, *Desalination And Water Treatment* Volume, 49 (1-3)(2012),189-199.

Kamsonlian, S., Suresh, S., Ramanaiah, V. et al., Biosorptive behaviour of mango leaf powder and rice husk for arsenic(III) from aqueous solutions, *International Journal Of Environmental Science And Technology*, 9( 3) (2012), 565-578.

Dlamini, D. S.; Mishra, A. K.; Mamba, B. B., Adsorption Behaviour of Ethylene Vinyl Acetate and Polycaprolactone-Bentonite Composites for Pb<sup>2+</sup> Uptake, *Journal Of Inorganic And Organometallic Polymers And Materials*, 22 ( 2 ) (2012) 342-351.

Kwak, N-S., Baek, Y., Hwang, T. S., The synthesis of poly(vinylphosphonic acid-co-methacrylic acid) microbeads by suspension polymerization and the characterization of their indium adsorption properties, *Journal Of Hazardous Materials*, 203 (2012), 213-220.

**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 (ISSN 0304-3894), Volume 170, Issues 2-3, ( 2009) 716-721.**

Orescanin, V., Kollar, R. A combined CaO/electrochemical treatment of the acid mine drainage from the "Robule" Lake, *Journal Of Environmental Science And Health Part A-Toxic/Hazardous Substances & Environmental Engineering*, 47(8)(2012), 1186-1191

**V. Stanković, D. Božić, M. Gorgievski, G. Bogdanović, Heavy metal ions adsorption from mine waters by sawdust, Chemical Industry and Chemical Engineering (ISSN 1451-9372), 15 (4) (2009), 237–249.**

Bajpai, S. K., Bajpai, M., Rai, N. Sorptive removal of ciprofloxacin hydrochloride from simulated wastewater using sawdust: Kinetic study and effect of pH. *WATER SA*, 38 (5) (2012), 673-682.

**Djokovic, Jelena M. ; Nikolic, Ruzica R. ; Dzindo, Emina S. ; et al., ESTIMATE OF A POWER DISTRIBUTOR LIFE SPAN BASED ON THE FRACTURE MECHANICS CRITERIA, TEHNICKI VJESNIK-TECHNICAL GAZETTE, 18 (1) 2011, 103-108.**

Camagic, Ivica; Vasic, Nemanja; Burzic, Zijah; et al., INFLUENCE OF TESTING TEMPERATURE AND CRACK POSITIONING ON BEHAVIOUR OF WELDED JOINT SUBMITTED TO IMPACT LOAD, TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM, 7 (2) 2012, 622-630.

**Urošević S., Fedajev A., Nikolić R., SIGNIFICANCE AND PERSPECTIVES OF TEXTILE INDUSTRY IN REPUBLIC OF SERBIA IN TRANSITIONAL ENVIRONMENT, *Industria tekstila, Romania, ISSN 1222-5347, Vol.62, No 3, 3/2011, pp. 134-140.***

Završnik, B., Potočan, V. Development of the Slovenian textile and clothing industry (2012) *Industria Textila*, vol. 63, No. 4, pp. 204-207.

**Urošević S., Stamatović M., ROLE OF SMALL AND MEDIUM-SIZED ENTERPRISES IN ENHANCEMENT OF THE SERBIAN TEXTILE INDUSTRY IN TIMES OF CRISIS, *Fibres & Textiles in Eastern Europe, ISSN 1230-3666, Issue 4 (87) /2011, pages 14–19.***

Završnik, B., Potočan, V. Development of the Slovenian textile and clothing industry (2012) *Industria Textila*, vol. 63, No. 4, pp. 204-207.

**Arsić M., Nikolić Đ, Živković Ž., Urošević S., Mihajlović I., THE EFFECT OF TQM ON EMPLOYEE LOYALTY IN TRANSITION ECONOMY, SERBIA, *Total Quality Management and Business Excellence, ISSN, 1478-3363, Volume 23, No. 5-6, p. 719-729.***

Ueno, A. Which HRM practices contribute to service culture? (2012) *Total Quality Management and Business Excellence*, Vol. 23, No. 11-12, p.1227-1239.

**Djuric I., Djordjevic P., Mihajlovic I., Nikolic D., Zivkovic Z., Prediction of Al 2O 3 leaching recovery in the Bayer process using statistical multilinear regression analysis2010, *Journal of Mining and Metallurgy, Section B: Metallurgy, (2) 161-169***

Optimizacija režima starenja legura na aluminijumskoj osnovi | [Optimization of the aging regime of Al-based alloys], Ivanov, S.L., Ivanić, L.S., Gusković, D.M., Mladenović, S.A., 2012., *Hemijska Industrija* 66 (4) , pp. 601-607

**Zivkovic Z., Mihajlovic I., Djuric I., Strbac N., Statistical modeling of the industrial sodium aluminate solutions decomposition process, 2010, *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, (5) 1116-1122***

Ivanov, S.L., Ivanić, L.S., Gusković, D.M., Mladenović, S.A., Optimizacija režima starenja legura na aluminijumskoj osnovi | [Optimization of the aging regime of Al-based alloys], 2012., *Hemijska Industrija* 66 (4) , pp. 601-607

Palaneeswaran, E., Brooks, G., Xu, X.B., Neural-net-based predictive modeling of spout eye size in steelmaking, 2012., *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science* 43 (3) , pp. 571-577

Li, M., Wu, Y. ,Dynamic simulation of periodic attenuation in seeded precipitation of sodium aluminate solution; 2012., *Hydrometallurgy* 113-114 , pp. 91-97

**Prvulovic, S, Tolmac, D. , Nikolic, D., Matic, M., (2012). Possibilities of application of multicriteria decision making for the selection of irrigation systems. *Metalurgia International* 17 (4), 2012, 151-156.**

Vasovic, J.V., Radojicic, M., Vasovic, S., (2012). Selection of investment projects in industry by application of multi-criteria decision making methods. *Metalurgia International* 17 (6): 118-124.

Radojicic, M., Nestic, Z., (2012). One approach to implementation of computer support in the analysis of results in multi-criteria optimization. *Metalurgia International* 17 (5): 60-65.

**Nikolić, Dj. , Milošević, N., Živković, Z., Mihajlović, I., Kovačević, R., Petrović, N., (2011). Multi-criteria analysis of soil pollution by heavy metals in the vicinity of the Copper Smelting Plant in Bor (Serbia). Journal of the Serbian Chemical Society, 76 (4): 625-641.**

Gonçalves, T.J.M., Belderrain, M.C.N., (2012). Performance evaluation with PROMETHEE GDSS and GAIA: A study on the ita-SAT satellite project. *Journal of Aerospace Technology and Management* 4 (3): 381-392.

**Živković, Ž., Mitevska, N., Mihajlović, I. , Nikolić, Dj., (2010). Copper losses in sulfide concentrate smelting slag are dependent on slag composition. Minerals and Metallurgical Processing 27 (3): 141-147.**

Fernández-Caliani, J.C., Ríos, G., Martínez, J., Jiménez, F., (2012). Occurrence and speciation of copper in slags obtained during the pyrometallurgical processing of chalcopyrite concentrates at the Huelva smelter (Spain). *Journal of Mining and Metallurgy, Section B: Metallurgy* 48 (2): 161-171.

**Živković, Ž., Mitevska, N., Mihajlović, I., Nikolić, Dj., (2009). 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): 23-34.**

Wang, L.J., Liu, Q.Y., Chou, K.C., (2012). Estimating sulfide capacities for ternary systems with limited solubility. *Journal of Mining and Metallurgy, Section B: Metallurgy*, 48 (2): 219-226.

Ivanov, S.L., Ivanić, L.S., Gusković, D.M., Mladenović, S.A., (2012). Optimizacija režima starenja legura na aluminijumskoj osnovi | [Optimization of the aging regime of Al-based alloys]. *Hemijska Industrija* 66 (4): 601-607.

Rüßen, A., Geveci, A., Topkaya, Y.A., (2012). Minimization of copper losses to slag in matte smelting by colemanite addition. *Solid State Sciences*, 14 (11-12): 1702-1704.

Rušen, A., Geveci, A., Topkaya, Y.A., Derin, B., (2012). Investigation of effect of colemanite addition on copper losses in matte smelting slag. *Canadian Metallurgical Quarterly* 51 (2): 157-169.

**Dorđe Nikolić, Ivan Jovanović, Ivan Mihajlović, Živan Živković, 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.**

Vetschera, R., De Almeida, A.T., (2012). A PROMETHEE-based approach to portfolio selection problems. *Computers and Operations Research* 39 (5): 1010-1020.

**Brodic, D. Methodology for the Evaluation of the Algorithms for Text Line Segmentation Based on Extended Binary Classification, 2011, Measurement Science Review 11 (3) , pp. 71-78**

Hsieh, C.W., Chen, C.Y., Jong, T.L., Liu, T.C., Chiu, C.H. Automatic segmentation of phalanx and epiphyseal/metaphyseal region by gamma parameter enhancement algorithm, 2012, *Measurement Science Review* 12 (1) , pp. 21-27.

Xu, G., Li, X., Su, J., Chen, R., Liu, J. A method for the estimation of the square size in the chessboard image using gray-level co-occurrence matrix, 2012, *Measurement Science Review* 12 (2) , pp. 68-73.

**Brodic, Darko. Comparison of the CMOS and BiCMOS simple architecture operational amplifier, 1992, 6th Mediterranean Electrotechnical Conference , pp. 299-302.**

Wu, C., Li, Z. A 0.18 $\mu$ m CMOS up-conversion mixer for wireless sensor networks application, 2011, 2011 International Conference on Wireless Communications and Signal Processing, WCSP 2011 , art. no. 6096764.

**I. Djolović, E.Malkowsky, A Note on Compact Operators on Matrix Domains, Journal of Mathematical Analysis and Applications, 340(2008), No.1, 291-303**

Basarir M.; Kara E. E., On compact operators on the Riesz B-m-difference sequence space, IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, 35( A4), 2012, 279-285.

Basarir Metin; Kara Emrah Evren, On the B-difference sequence space derived by generalized weighted mean and compact operators, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 391, (1) 2012, 67-81, DOI: 10.1016/j.jmaa.2012.02.031

Malkowsky Eberhard, Compact and Fredholm Operators on Matrix Domains of Triangles in the Space of Null Sequences, Conference: 1st International Conference on Analysis and Applied Mathematics (ICAAM), Gumushane, TURKEY, OCT 18-21, 2012 AIP Conference Proceedings, Vol.1470, 110-113, DOI: 10.1063/1.4747652, Sci & Technol Res Council Turkey (TUBITAK); Gumushane Univ; Fatih Univ

Malkowsky Eberhard; Ozger Faruk, Compact Operators on Spaces of Sequences of Weighted Means, 1st International Conference on Analysis and Applied Mathematics (ICAAM), Gumushane, TURKEY, OCT 18-21, 2012, AIP Conference Proceedings Vol. 1470, 179-182, DOI: 10.1063/1.4747669, Sci & Technol Res Council Turkey (TUBITAK); Gumushane Univ; Fatih Univ

Mursaleen M.; Noman Abdullah K., Compactness of matrix operators on some new difference sequence spaces, LINEAR ALGEBRA AND ITS APPLICATIONS 436 (1) 2012, 41-52, DOI: 10.1016/j.laa.2011.06.014

**I. Djolović, Compact Operators on the Spaces  $a'_0(\Delta)$  and  $a'_c(\Delta)$ , Journal of Mathematical Analysis and Applications, 318(2) 2006, 658-666.**

Malkowsky Eberhard; Ozger Faruk, Compact Operators on Spaces of Sequences of Weighted Means, 1st International Conference on Analysis and Applied Mathematics (ICAAM), Gumushane, TURKEY OCT 18-21, 2012, AIP Conference Proceedings 1470, 179-182, DOI: 10.1063/1.4747669, Sci & Technol Res Council Turkey (TUBITAK); Gumushane Univ; Fatih Univ.

Mursaleen M.; Noman Abdullah K., Compactness of matrix operators on some new difference sequence spaces, LINEAR ALGEBRA AND ITS APPLICATIONS, 436 (1) 2012, 41-52, DOI: 10.1016/j.laa.2011.06.014.

**I. Djolović, E.Malkowsky, The Hausdorff Measure of Noncompactness of Operators on the Matrix Domains of Triangles in the Spaces of Strongly  $C_1$  Summable and Bounded Sequences, Applied Mathematics and Computation, 216(2010), 1122-1130**

Mursaleen M.; Alotaibi Abdullah, Infinite System of Differential Equations in Some BK Spaces\_ ABSTRACT AND APPLIED ANALYSIS Article No. 863483, 2012, DOI: 10.1155/2012/863483

**I. Djolović, E.Malkowsky, A Note on Fredholm Operators on  $(c_0)_T$ , Applied Mathematics Letters, 22(11) 2009, 1734-1739.**

Mursaleen M.; Noman Abdullah K., Compactness of matrix operators on some new difference sequence spaces, LINEAR ALGEBRA AND ITS APPLICATIONS, 436 (1) 2012, 41-52 DOI: 10.1016/j.laa.2011.06.014

**I. Djolović, E.Malkowsky, Characterizations of Compact Operators on Some Euler Spaces of Difference Sequences of Order  $m$ , Acta Mathematica Scientia, 31(4) 2011, 1465-1474.**

Chen Aihong; Li Ronglu, CHARACTERIZATIONS OF SOME MATRIX CLASSES OF QUASI-HOMOGENEOUS OPERATORS\_ ACTA MATHEMATICA SCIENTIA 32 (6) 2012, 2285-2294.

Et Mikail; Isik Mahmut, On  $p$  alpha-dual spaces of generalized difference sequence spaces APPLIED MATHEMATICS LETTERS, 25 (10) 2012, 1486-1489 DOI: 10.1016/j.aml.2011.12.032.

Mursaleen M.; Alotaibi Abdullah, Infinite System of Differential Equations in Some BK Spaces, ABSTRACT AND APPLIED ANALYSIS Article Number: 863483, 2012, DOI: 10.1155/2012/863483.

**I. Djolović, *On Compact Operators on Some Spaces Related to Matrix  $B(r,s)$* , Filomat, 24(2) 2010, 41-51.**

Ozger, Faruk; Basar, Feyzi, Domain of the Double Sequential Band Matrix  $B(\tilde{r}, \tilde{s})$  on Some Maddox's Spaces, 1st International Conference on Analysis and Applied Mathematics (ICAAM), Gumushane, TURKEY Date: OCT 18-21, 2012, AIP Conference Proceedings, 1470, 152-155, DOI: 10.1063/1.4747662, Sci & Technol Res Council Turkey (TUBITAK); Gumushane Univ; Fatih Univ

**I. Djolović, *On the space of bounded Euler difference sequences and some classes of compact operators*, Applied Mathematics and Computation, 182 (2) 2006, 1803-1811.**

Demiriz, Serkan; Cakan, Celal, Some new paranormed difference sequence spaces and weighted core, COMPUTERS & MATHEMATICS WITH APPLICATIONS, 64 (6) 2012, 1726-1739, DOI: 10.1016/j.camwa.2012.01.050.

**E. Malkowsky, I. Djolović, *Compact Operators Into the Spaces of Strongly  $C_1$  Summable and Bounded Sequences*, Nonlinear Analysis: Theory Methods and Applications, 74(2011), 3736-3750.**

Mursaleen M.; Alotaibi Abdullah, Infinite System of Differential Equations in Some BK Spaces, ABSTRACT AND APPLIED ANALYSIS Article Number: 863483, 2012, DOI: 10.1155/2012/863483

**M. K. Radović, O. M. Stepanović and Č. A. Maluckov, “On the complex structure of the breakdown time-delay distribution in neon-filled diode at 4 mbar pressure”, J. Phys. D: Appl. Phys., Vol. 31 (1998) pp. 1206-1211.**

Given, Martin J.; Wilson, Mark P.; Timoshkin, Igor V.; et al., The Triggered Behavior of a Controlled Corona Stabilized Cascade Switch , IEEE TRANSACTIONS ON PLASMA SCIENCE 40 (10) 2012, Special Issue, 2470-2479.

**M. K. Radović and Č. A. Maluckov, “Statistical analysis of the dynamic voltage electrical breakdown in nitrogen”, IEEE Transaction on Plasma Science, 29 (5) 2001 pp. 832-836.**

Pejović, M.M., Nešić, N.T. , Pejović, M.M., Bogdanović, N.J., “Investigation of memory effect by measurement of time delay of electrical breakdown in commercial gas-filled surge arresters” (Conference Paper), Proceedings Paper of MIPRO 2012 - 35th International Convention on Information and Communication Technology, Electronics and Microelectronics, 2012, Article number 6240608, 27-30 (konferencija)

Todorovic Miomir; Vasovic Nikola D.; Ristic Goran S., “A system for gas electrical breakdown time delay measurements based on a microcontroller“, MEASUREMENT SCIENCE & TECHNOLOGY, 23 (1) 2012 Article Number: 015901

**I. V. Spasić, M. K. Radović, M. M. Pejović and Č. A. Maluckov, “The statistical time-delay and the breakdown formative time contributions to the memory effect in Ne at 7 mbar pressure”, J. Phys. D: Appl. Phys., 36 (2003), 2515-2520.**

Milanovic Zvonimir; Stankovic Kovicljka; Vujisic Milos; et al., "Calculation of Impulse Characteristics for Gas-insulated Systems with Homogenous Electric Field ",IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, 19 (2) 2012, 648-659.

**Č. A. Maluckov, J. P. Karamarković and M. K. Radović, "Statistical analysis of electrical breakdown time delay distributions in neon tube at 13.3 mbar", IEEE Transaction on Plasma Science, 31 (5) 2003, 1344-1348.**

Given, Martin J.; Wilson, Mark P.; Timoshkin, Igor V.; et al., , The Triggered Behavior of a Controlled Corona Stabilized Cascade Switch, IEEE TRANSACTIONS ON PLASMA SCIENCE, 40 (10) 2012, Special Issue, 2470-2479.

**Č. A. Maluckov, J. P. Karamarković, M. K. Radović and M. M. Pejović, "The application of convolution-based statistical model on the electrical breakdown time delay distributions in neon under  $\gamma$  and UV radiation", IEEE Transaction on Plasma Science, 34 (1) 2006, 2-6.**

Given, Martin J.; Wilson, Mark P.; Timoshkin, Igor V.; et al., , The Triggered Behavior of a Controlled Corona Stabilized Cascade Switch, IEEE TRANSACTIONS ON PLASMA SCIENCE, 40 (10) 2012, Special Issue, 2470-2479.

**Č. A. Maluckov, J. P. Karamarković, M. K. Radović and M. M. Pejović, "Statistical analysis of the electrical breakdown time delay distributions in krypton", Physics of Plasmas, 13 (11) 2006, 083502 (9 pages).**

Markovic, V. Lj.; Jovanovic, A. P.; Stamenkovic, S. N.; et al., "From binomial distribution of electron occurrence to Gauss and Gauss-exponential distribution of the statistical time delay: Analytical transition and simulations", EPL (Europhysics Letters), 100 (4) 2012, Article Number: 45002, DOI: 10.1209/0295-5075/100/45002.

Todorovic Miomir; Vasovic Nikola D.; Ristic Goran S., "A system for gas electrical breakdown time delay measurements based on a microcontroller ", MEASUREMENT SCIENCE & TECHNOLOGY Vol. 23 No 1 (2012) Article Number: 015901

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

Padilla, R., Aracena, A., Ruiz, M.C., Reaction mechanism and kinetics of enargite oxidation at roasting temperatures, *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science* 43 (5) (2012), pp. 1119-1126.

Gow, R.N., Young, C., Huang, H., Hope, G., Takasaki, Y., Electrochemistry of enargite: Reactivity in alkaline solutions, *TMS Annual Meeting* (2012), pp. 217-225.

Awe, S.A., Khoshkhoo, M., Kruger, P., Sandström, A., Modelling and process optimisation of antimony removal from a complex copper concentrate, *Transactions of Nonferrous Metals Society of China (English Edition)* 22 (3) (2012), pp. 675-685.

**J. Šesták, A. Kozmidis-Petrović, Ž. Živković, 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 (2011) 229-239.**

A.A. Joraid, S.N. Alamri, A.A. Abu-Sehly, M. Benganem, Nonisothermal crystallisation kinetics of amorphous selenium prepared by high-energy ball milling: A comparison with the melt-quenching and thin-film techniques, *Journal of Non-Crystalline Solids*, 358 (2012) 1268-1273.

A. Kozmidis-Petrovic, J. Šesták, Forty years of the Hrubý glass-forming coefficient via DTA when comparing other criteria in relation to the glass stability and vitrification ability, *Journal of Thermal Analysis and Calorimetry*, 110 (2012) 997-1004.

N. Mitrović, S. Kane, S. Roth, A. Kalezić-Glišović, C. Mickel, J. Eckert, The precipitation of nanocrystalline structure in The Joule heated Fe 72Al 5Ga 2P 11C 6B 4 metallic Glasses, *Journal of Mining and Metallurgy, Section B: Metallurgy*, 48 (2012) 319-324.

Q. Zheng, M.M. Smedskjaer, R.E. Youngman, M. Potuzak, J.C. Mauro, Y. Yue, Influence of aluminum speciation on the stability of aluminosilicate glasses against crystallization, *Applied Physics Letters*, 101 (2012).

**Ž.D. Živković, J. Šesták, Kinetics and mechanism of the oxidation of molybdenum sulphide, *Journal of Thermal Analysis and Calorimetry*, 53 (1998) 263-267.**

M. Koca, A. Kurt, C. Kirilmis, Y. Aydogdu, Synthesis, characterization, and thermal degradation of novel poly(2-(5-bromo benzofuran-2-yl)-2-oxoethyl methacrylate), *Polymer Engineering and Science*, 52 (2012) 323-330.

A. Kurt, K. Demirelli, Graft copolymerization of poly(methyl methacrylate) with some alkyl methacrylates by atom transfer radical polymerization method and thermal properties, *Journal of Applied Polymer Science*, 125 (2012) 1855-1866.

**V.K. Trujić, Ž.D. Živković, Influence of addition of anthracite with different particle size on reduction kinetics of magnetite pellets, *Materials Transactions, JIM*, 39 (1998) 1012-1016.**

H. Niu, Y. Li, Y. Lei, L. Zhang, J. Peng, S. Guo, Microwave Drying of Anthracite: A Parameter Optimized by Response Surface Methodology, *Arabian Journal for Science and Engineering*, 37 (2012) 65-73.

**D. Prodanović, Ž.D. Živković, M. Dumić, The kinetics of dehydroxylation and mullitization of zettlitz kaolin in the presence of calcium(II) as an ingredient, *Thermochimica Acta*, 156 (1989) 61-67.**

F. Sahnoune, N. Saheb, B. Khamel, Z. Takkouk, Thermal analysis of dehydroxylation of Algerian kaolinite, *Journal of Thermal Analysis and Calorimetry*, 107 (2012) 1067-1072.

**Z.D. Živković, B. Dobovišek, Kinetics of aluminium hydroxide dehydration, *Journal of Thermal Analysis*, 12 (1977) 207-215.**

Z. Su, W. Zhou, F. Jiang, M. Hong, Anodic formation of nanoporous and nanotubular metal oxides, *Journal of Materials Chemistry*, 22 (2012) 535-544.

**I. Djolović, E. Malkowsky, *Matrix transformations and compact operators on some new mth-order difference sequences, Applied Mathematics and Computation*, 198(2008), No.2, 700-714.**

Basarir M.; Kara E. E., On compact operators on the Riesz B-m-difference sequence space, *IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE*, 35, (A4) 2012, 279-285.



Basarir Metin; Kara Emrah Evren, On the B-difference sequence space derived by generalized weighted mean and compact operators, *JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS*, 391(1) 2012, 67-81, DOI: 10.1016/j.jmaa.2012.02.031.

Mursaleen M.; Noman Abdullah K., Compactness of matrix operators on some new difference sequence spaces, *LINEAR ALGEBRA AND ITS APPLICATIONS*, 436 (1) 2012, 41-52 DOI: 10.1016/j.laa.2011.06.014

**D. Kocev, „Almost Menger and related spaces”, *Matematički Vesnik* 61 (2009), 173-180. [ISSN: 0025-5165, M52]**

L. Babinkostova, B.A. Pansera, M. Scheepers, „Weak covering properties and infinite games”, *Topology and its Applications* 159 (2012), 3644-3657.

B.A. Pansera, „Weaker forms of the Menger property”, *Questiones Mathematicae* 35:2 (2012), 161-169.

**Živković, D., Sokić, M., Živković, Z., Manasijević, D., Balanović, Lj., Štrbac, N., Čosović, V., Boyanov, B., Thermal study and mechanism of Ag<sub>2</sub>S oxidation in air, *Journal of Thermal Analysis and Calorimetry* (DOI: 10.1007/s10973-012-2300-z)**

Kukkola, J. , Mohl, M. , Leino, A.-R., Inkjet-printed gas sensors: Metal decorated WO<sub>3</sub> nanoparticles and their gas sensing properties, *Journal of Materials Chemistry*, 22 (34) (2012), pp. 17878-17886.

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## **9. Učešće na međunarodnim projektima:**

**Σ = 9**

**1. TEMPUS projekat (tip: Joint Project) - 511044-TEMPUS-1-2010-1 Modernisation of Post-Graduate Studies in Chemistry and Chemistry Related Programmes – MCHM**, coordinator: Prof. Steven Leharne, University of Greenwich, School of Science (UK), učesnici na projektu: Univerzitet u BGD, Univerzitet Niš, Univerzitet NS, Univerzitet KG, RWTH Aachen University (Germany), Brno University of Technology (Czech Republic), University of Nova Gorica (Slovenia), University Lower Danube in Galati (Romania), koordinatori ispred TF Bor – Dragana Živković, Milan Antonijević; učesnici: Marija Petrovic, Milan Radovanovic, Snežana Milic, Ljubiša Balanovic, Aleksandra Mitovski, Grozdanka Bogdanovic, Ivana Markovic

**2. TEMPUS projekat (tip: Joint Project) - 511001-TEMPUS-1-2010-3375/001-001 Development of Environment and Resources Engineering Learning (DEREL)**, coordinator: Prof. Stefano Manetti, Università degli Studi di Firenze – Facoltà di Ingegneria, UNIFI (Italy), koordinatori ispred TF Bor – Milan Trumić, Milan Antonijević, učesnici: Maja Trumić i dr.

**3. Program bilateralne saradnje Srbije i Kine za period 2011-2012. – Thermodynamic investigation of Zn-Al-Me (Me=Ni,Ge,Fe) systems via comparative approach – first-principles calculation, CALPHAD and key experiments**, istraživači sa Fakulteta: Dragana Živković, rukovodilac, Živan Živković, Dragan Manasijević, Ljubiša Balanović, Aleksandra Mitovski

**4. DAAD projekat - Academic Reconstruction South Eastern Europe programme: Resita Network - Innovation and Entrepreneurship**, 2012., istraživači sa Fakulteta: Dragana Živković, Živan Živković, Ivan Mihajlović, Djordje Nikolić

**5. Isis Project No 78013, Isis Project No 78013 - Single Low Cost System to Replace Multiple Laboratory Instruments** – coordinator University of Oxford, 2012., istraživači sa Fakulteta: Zoran Stević, Mirjana Rajčić Vujasinović

**6. 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 (BiH), 2012., rukovodilac projekta Tamara Holjevac Grgurić, MF Sisak, koordinatori: Dragana Živković TF Bor i Diana Čubela FMM Zenica, učesnici: Dragan Manasijević, Ljubiša Balanović, Aleksandra Mitovski

**7. IPA-HETIP Infrastrukturni program za visoko obrazovanje – Obnova nastavnih zgrada i nabavka nastavne i istraživačke opreme na Tehničkom fakultetu u Boru:** aktivnosti u okviru ovog projekta traju od 2010. godine i još uvek su u toku učenicima: Milan Antonijević, Dragana Živković, Snežana Milić, Desimir Marković, M.Trumić, M.Čiprijanović, M.Žikić

**8. Оптико-електронные системи для биоинформативных фотомедицинских технологий EP-06, № государственной. регистрации: 0111U001237, Национальный университет «Львівська політехніка» (NU "LP"), г. Львов, Украина, 2012, учесник: Zoran Stević**

**9. Projekat ECO NET** u organizaciji Kultur kontakta - austrijske kancelarije za projekte u oblasti nauke i obrazovanja, završna faza, 2012., učesnik Mara Manžalović

**10. Učešće na projektima MPNTR:**

**Σ = 26**

Red. broj	Naziv projekta	Istraživači	Oblast	Broj projekta	Nosilac Koordinator	Rukovodilac
1.	``Razvoj tehnologija flotacijske prerade ruda bakra i plemenitih metala radi postizanja boljih tehnoloških rezultata``	dr Zoran Marković, red. profesor mr Zoran Štirbanović, asistent	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``	dr Čedomir Maluckov, docent	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``	dr Čedomir Maluckov, docent	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 nemetaličnih rudnih ležišta``	dr Miodrag Banješević, docent	OI	176016 (130/395)	Rudarsko-geološki fakultet u Beogradu	dr Vladica Cvetković, redovni profesor
5.	``Virtuelni koštano zglojni sistem čoveka i njegova primena u predkliničkoj i kliničkoj praksi``	dr Dejan Tanikić, docent Dalibor Đenadić,	III	41017 (69/110)	Mašinski fakultet u Nišu	dr Miroslav Trajanović, redovni profesor

		asistent				
6.	``Minerali Srbije: Sastav, geneza, primena i doprinos održavanju životne sredine``	mr Mira Cocić, asistent	OI	176010 (387/395)	Rudarsko-geološki fakultet u Beogradu	dr Mihovil Logar, red. profesor
7.	``Nov pristup dizajniranju materijala za konverziju i skladištenje energije``	dr Mirjana Rajčić – Vujasinović, red. profesor dr Zoran Stević, van. profesor mr Vesna Grekulović, asistent	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``	mr Dejan Antić, asistent	TP	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``	mr Darko Brodić, asistent mr Vladimir Despotović, asistent	TR	33037 (163/275)	Institut za rudarstvo i metalurgiju Bor	dr Dragan Milivojević, naučni saradnik
10.	``Funkcionalna analiza, stohastička analiza i primene``	Dr Ivana Đolović, docent	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, asistent dr Dejan Tanikić, docent	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``	dr Nada Štrbac, redovni profesor dr Ivan Mihajlović, docent dr Milovan Vuković, vanredni profesor dr Dejan Bogdanović, docent Aleksandra Mitovski, asistent Milica Arsić, asist. Đorđe Nikolić, asist. Ivan Jovanović, asist. Isidora Đurić, asist.	TR	34023 (50/275)	<b>Tehnički fakultet u Boru</b>	<b>dr Nada Štrbac, redovni profesor</b>
13.	``Razvoj novih i unapređenje postojećih tehnoloških postupaka``	dr Snežana Urošević,	TR	34020 (188/275)	Tehnološki fakultet u	dr Miodrag Stamenković,

	proizvodnje tehničkih tekstilnih materijala``	docent			Leskovcu	prof.
14.	``Neki aspekti rastvaranja metala i prirodnih minerala``	dr Milan Antonijević, red. prof. dr Snežana Milić, docent dr Grozdanka Bogdanović, docent dr Mile Dimitrijević, docent Marija Petrović, asistent Milan Radovanović, asistent Ana Stamenković, asistent Maja Trumić, asistent	OI	172031 (184/110)	<b>Tehnički fakultet u Boru</b>	<b>dr Milan Antonijević, redovni profesor</b>
15.	``Razvoj novih inkapsulacionih i enzimskih tehnologija za proizvodnju biokatalizatora i biološko aktivnih supstanci hrane u cilju povećanja njene konkurentnosti, kvaliteta i bezbednosti``	dr Snežana Šerbula, vanredni profesor dr Nenad Vušović, redovni profesor dr Slađana Alagić, docent dr Snežana Urošević, docent Ana Ilić, saradnik u nastavi Tanja Kalinović, saradnik u nastavi Jelena Strojčić, saradnik u nastavi	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``	dr Rodoljub Stanojlović, red. prof. dr Zoran Marković, red.prof. dr Milan Trumić, vanr. prof. mr Jovica Sokolović, asistent Zoran Štirbanović, asistent	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``	dr Dragana Živković, redovni profesor dr Živan Živković, redovni profesor dr Dragan Manasijević, docent	OI	172037 (4/395)	<b>Tehnički fakultet u Boru</b>	<b>dr Dragana Živković, redovni profesor</b>

		Ljubiša Balanović, asistent				
18.	``Dinamika hibridnih sistema``	dr Jelena Đoković, docent	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``	dr Saša Marjanović, asistent	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``	dr Svetlana Nestorović, red.prof. dr Desimir Marković, red.prof. dr Dragoslav Gusković, red.prof. dr Ljubica Ivanić, red. prof. dr Svetlana Ivanov, van.prof. mr Ivana Marković, asistent mr. Saša Marjanović, asistent mr Vesna Grekulović, asistent mr Bata Marjanović, asistent	TR	34003 (192/275)	<b>Tehnički fakultet u Boru</b>	<b>dr Svetlana Nestorović, redovni profesor</b>
21.	``Razvoj ekoloških i energetski efikasnijih tehnologija za proizvodnju obojenih i plemenitih metala kombinacijom bioluženja, solventne ekstrakcije i elektrolitičke rafinacije``	dr Svetlana Ivanov, vanr. profesor	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``	dr Vitomir Milić, redovni profesor	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``	mr Darko Kocev, asistent	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	dr Radoje Pantović, vanredni profesor dr Nenad Vušović	TR	33038 (208/275)	<b>Tehnički fakultet u</b>	<b>dr Nenad Vušović, redovni profesor</b>

	RTB Bor-Grupa“	redovni profesor dr Vitomir Milić redovni profesor dr Miodrag Žikić, vanredni profesor dr Radmilo Nikolić redovni profesor dr Rodoljub Stanojlović redovni profesor dr Snežana Šerbula, vanredni profesor dr Miodrag Denić, docent dr Miodrag Banješević, docent mr Saša Stojadinović, asistent mr Igor Svrkota, asistent-pripravnik mr Jovica Sokolović, asistent mr Dejan Petrović, asistent Ana Ilić, saradnik u nastavi Tanja Kalinović, saradnik u nastavi Jelena Strojčić, saradnik u nastavi			<b>Boru</b>	
25.	„Istraživanje mogućnosti primene AT (Advanced technology) viseće podgrade u rudnicima u cilju povećanja bezbednosti rada i efikasnosti proizvodnje“	dr Miodrag Denić, docent	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 pograničnim opštinama Istočne i Jugoistočne Srbije „	dr Milovan Vuković, vanredni profesor Danijela Voza, asistent	OI	179013 (131/395)	Mašinski fakultet u Nišu Tehnički fakultet u Boru	dr Dragoljub Đorđević, red.prof.

**10. Učešće na projektima koje finansiraju ostali subjekti (privreda, druga ministarstva, itd.)**

**Σ = 14**

**1. Tehnička kontrola (revizija) tehničkog projekta** zamene sistema zaštite mreže 3x400/230V, 50Hz, TN-C/S, sa zaštitnim uzemljenjem IT sistemom, u jami rudnika Lece, Medveđa koji je izradio Idea Engineering, Bor (Farmakom MB Rudnik Lece d.o.o.)

2. a) Izrada **uprošćenog rudnog projekta** kontrole seizmičkih potresa pri otkopavanju rude bakra u rudnom telu T u Jami Bor, kao sastavni deo tehničkog projekta osiguranja stabilnosti podzemnog otkopa pri eksploataciji rudnog tela T u Jami Bor, b) Vršenje seizmičkih merenja u rudnom telu T, v) Izrada izveštaja o izvršenim seizmičkim merenjima

3. **Uprošćeni rudarski projekat** kontrolisanog miniranja u zoni drobiličnog postrojenja T.S. 2 na površinskom kopu Severni revir, R. Pantović, M. Žikić, S. Stojadinović, Tehnički fakultet u Boru, Bor 2012. Investitor: RTB Bor Grupa, Nosilac projekta: Tehnički fakultet u Boru

4. **Tehnička kontrola GLAVNOG RUDARSKOG PROJEKTA EKSPLOATACIJE LEŽIŠTA KVARCNOG PESKA „BOŠNJANE“**, investitor Holcim (Srbija) d.o.o iz Popovca, projektant Institut za rudarstvo i metalurgiju Bor iz Bora, 2012. (Ukupnu tehničku dokumentaciju čini i posebna knjiga člji je naslov Projekat rekultivacije degradiranih površina površinskog kopa „Bošnjane“-Novi Popovac)

5. **Tehnička kontrola dopunskog rudarskog projekta** eksploatacije uglja u OP-u od K.-60 do raseda R'10 u jami RMU Soko, Sokobanja

6. **Tehnička kontrola DOPUNSKOG RUDARSKOG PROJEKTA EKSPLOATACIJE SIROVINE ZA PROIZVODNJU CEMENTA U EKSPLOATACIONOM POLJU „ČOKOĆE“ NOVI POPOVAC**, investitor Holcim (Srbija) d.o.o iz Popovca, projektant Institut za rudarstvo i metalurgiju Bor iz Bora, 2012. (Ukupnu tehničku dokumentaciju čini i posebna knjiga člji je naslov Projekat rekultivacije degradiranih površina površinskog kopa „Čokoće“-Novi Popovac)

7. **Tehnička kontrola DOPUNSKOG RUDARSKOG PROJEKTA EKSPLOATACIJE SIROVINE ZA PROIZVODNJU CEMENTA NA POVRŠINSKOM KOPU „TREŠNJA“ NOVI POPOVAC**, investitor Holcim (Srbija) d.o.o iz Popovca, projektant Institut za rudarstvo i metalurgiju Bor iz Bora, 2012. (Ukupnu tehničku dokumentaciju čini i posebna knjiga člji je naslov Projekat rekultivacije degradiranih površina PK Trešnja-Novu Popovac)

8. **Tehnička kontrola RUDARSKOG PROJEKTA IZGRADNJE TUNELA/KOLEKTORA U ZONI FLOTACIJSKOG JALoviŠTA VELIKI KRIVELJ VAN EKSPLOATACIONOG POLJA**, investitor Republika Srbija, Ministarstvo životne sredine, rudarstva i prostornog planiranja, projektant konzorcijum Euroestudios, Madrid iz Španije i IK Consulting Engineers, Beograd, 2012.

9. **Tehnička kontrola DOPUNSKOG RUDARSKOG PROJEKTA IZMEŠTANJA I DOGRADNJE KLASIRNICE UGLJA U RUM „JASENOVAC“ KREPOLJIN**, investitor RUM JASENOVAC iz Krepoljina, projektant JP PEU-u restrukturiranju Resavica, Sektor za investicije, projektovanje i tehnološki razvoj JP PEU, Biro za projektovanje i razvoj iz Beograda, 2012.

10. Centar za promociju nauke MPN RS: **Adaptacija kurikuluma za primenu HP LIFE programa za promociju omladinskog preduzetništva**, rukovodilac projekta: Prof. dr Ivan Mihajlović, učesnici: Živan Živković, Djordje Nikolić, 2012.

11. Centar za transfer tehnologije UB, projekat A01: **Jedinstveni sistem komjuterizovanih laboratorijskih instrumenata**, istraživači sa Fakulteta: Zoran Stević, Mirjana Rajčić Vujasinović, Dejan Antić (Inovacioni centar Elektrotehničkog fakulteta BU I TF Bor) 2012.

12. **Prvi festival nauke NAUČNI TORNADO**, - U organizaciji Društva Mladih istraživača Bor i Osnovne škole "Dušan Radović" u Boru, kao predstavnici Tehničkog fakulteta u Boru, učesnici: A. Mitovski, D. Živković, A. Ilić, Lj. Balanović, Z. Štirbanović, T.Kalinović, M.Cocić

**13. Program: Rehabilitacija sistema daljinskog grejanja u Srbiji** - Faza IV, Coordinator of KfWProgramm, *Rehabilitation of the District Heating Systems in Serbia (KfW Phase IV)*, Ministarstvoenergetike, razvoja i zaštite životne sredine, JKP TOPLANA BOR, učesnici: Z. Damjanović

**14. Projekat razvoja nacionalnog programa tehnoloških brokera** (Integrated Innovation Support Programme, Project Funded by the European Union, učesnici: I.Nikolić, P.Djordjević, D.Živković)

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### **11. Studijski boravci ili posete drugim univerzitetima u inostranstvu**

**Σ = 11**

**1. Marija Petrović** - U okviru TEMPUS projekta Modernisation of Post-Graduate Studies in Chemistry and Chemistry Related Programmes (MCHEM) poseta Univerzitetu u Novoj Gorici, Slovenija 08.-13.01.2012.

**2. Marija Petrović** - U okviru TEMPUS projekta Modernisation of Post-Graduate Studies in Chemistry and Chemistry Related Programmes (MCHEM) poseta Univerzitetu u Ahenu, Nemačka 26.02.-02.03.2012.

**3. Snežana Šerbula** – poseta Metalurpkom fakultetu u Sisku, Univerzitet u zagrebu, Hrvatska Sisak, od 19.11.2012. do 24.11.2012.godine.

**4. N. Milijić** - Resita Network, University “Eftimie Murgu”, Resita, Romania, 21.-26.10.2012.

**5. P. Đorđević, M. Savić** – *The Day and Night of the Entrepreneurship*, 13. – 15. septembar 2012., Ruse (Bugarska), u okviru RESITA Network.

**6. P. Đorđević, M. Savić** - *Summer School – Business Plan 2012*, 22. – 26. oktobar 2012., Ljubljana (Slovenija), u organizaciji GEA College (Fakulteta za podjetništvo) iz Ljubljane, u okviru RESITA Network.

**7. I.Mihajlović, Dj.Nikolić, D.Živković**, Master Meeting, Resita Network, Resita (Romania) 20-22. januar 2012.

**8. Dj.Nikolić, D.Živković, I.Mihajlović**, Master Meeting, Resita Network, Skopje (Macedonia) 15-18. mart 2012.

**9. D.Živković, I.Mihajlović, Dj.Nikolić**, Summer Academy, Resita Network, Tirana (Albania) 7-9. jun 2012.

**10. M. Kostić, I. Nikolić**, Resita Network, Summer School, Vlora (Albania) 16-21.09.2012.

**11. D.Živković**, Resita Network, Master Meeting, University of Wormes, Wormes, Germany

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### **12. Studijski boravci ili posete sa drugih univerziteta iz inostranstvu**

**Σ = 9**

TF Bor su tokom prethodne školske godine posetili i održali predavanja sledeći istaknuti naučnici iz inostranstva:

1. Prof. dr Polonca Trebše - University of Nova Gorica, Slovenia
2. Prof. dr Colin Hills - University of Greenwich, UK
3. Dr Florian Congoli, Flogen Technologies Inc., USA-Canada
4. Prof. dr Michael Graef, Worms University, Germany
5. Prof. dr Boyan Boyanov, Plovdiv University, Bulgaria
6. Prof. dr Jožef Medved, Univerzitet u Ljubljani, Slovenia
7. Prof. dr Mirko Gojić, Doc.dr Tamara Holjevac Grgurić, Univerzitet u Zagrebu, Hrvatska



8. Doc.dr Natalija Dolić Univerzitet u Zagrebu, Hrvatska
9. Yaru Wang, Chong Chen, Central South University, Changsha, China

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### 13. Predavanja gostiju iz zemlje i inostranstva

$\Sigma = 5$

1. Prof. dr Polonca Trebše - University of Nova Gorica, SLO  
**SLOVENIA APPLICATION OF DIFFERENT AOP FOR PESTICIDE REMOVAL**, 04.04.2012.
2. Prof. dr Colin Hills - University of Greenwich, UK  
**INTRODUCTION TO STABILISATION/SOLIDIFICATION FOR THE TREATMENT OF CONTAMINATED LAND AND WASTE**, 05.04.2012.
3. *Pavle Ivetić* (Sektor za medjuuniverzitetsku i medjunarodnu saradnju Univerziteta u Beogradu):  
**MOGUĆNOSTI ZA MOBILNOST I RAZMENU STUDENATA I NASTAVNIKA** (*Erasmus Mundus i druge stipendije; kako što bolje pripremiti prijavu*), 17. maja 2012. TF Bor
4. *Prof. dr Šćepan Miljanić*, fakultet za fizičku hemiju Univerziteta u Beogradu '**RADIOAKTIVNO ZRAČENJE U ČOVEKOVOM OKRUŽENJU**', 15. jun 2012. (u saradnji sa Podružnicom SHD)
5. *Snežana Mijatović*: **GLOBAL UGRAD PROGRAM RAZMENE 2013/2014**, 4.decembar 2012. godine

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### 14. Organizacija workshop-ova, letnjih škola i predavanja:

$\Sigma = 3$

- *Workshop TEMPUS-MCHEM projekta - REMEDIATION*: održan je u Boru od 4-6. aprila 2012. godine u organizaciji TF Bor, coordinator Prof. dr Dragana Živković. Učesnici: Prof. dr Colin Hills (UoG, UK), Prof. dr Polonca Trebše (UNG, SLO), Prof. dr Aleksandar Bojic (UNI), Mr Vesna Marjanovic (HTSU), Prof. dr Dragana Živković, Prof. dr Milan Antonijević, Marija Petrović, Aleksandra Mitovski, Milan Radovanović, Ljubiša Balanović.
- *International Summer School: Strategic Management for Entrepreneurs* održana je od 26-31. maja 2012. godine u Hotelu Albo u Boru, u organizaciji Odseka za menadžment TF Bor i Resita Network. Glavni predavač na letnjoj školi bio je Prof. dr Michael Graef, sa Univerziteta Worms iz Nemačke, glavni organizator ispred TF Bor – Prof. dr Ivan Mihajlović, a učesnici škole bili su studenti osnovnih i master studija sa fakulteta - partnera u okviru Resita mreže: Univerzitet Ruse - Bugarska, Univerzitet Worms - Nemačka, American College - Makedonija, Univerzitet u Podgorici - Crna Gora, Univerzitet u Zenici - Bosna i Hercegovina, Univerzitet Resita - Rumunija, Tehnički fakultet u Boru - Srbija i GEA College - Slovenija. U okviru grupe studenata Worms univerziteta iz Nemačke, učestvovali su i studenti iz USA, Meksika, Francuske i Rusije
- *1<sup>st</sup> Winter School - Renewable Energy Systems and Green Nanotechnologies for a Clean Environment*, u organizaciji University of Craiova, University of Bucharest, University of Pisa, University of Palermo I koorganizaciji sa TF Bor, 14-16 December 2012, Drobeta-Turnu Severin, Romaniac učesnici: Dragana Živković, Ljubiša Balanović, Aleksandra Mitovski, Ana Ilić

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### 15. Časopisi koje izdaje TF Bor

$\Sigma = 4$

- **JMM - Section A: Mining** - U 2012. godini svrstan je u kategoriju M53 prema MPNTR RS. Tokom 2012. promenjen je gl.odg. urednik – aktuelni je Prof. dr Milan Trumić.

- **JMM - Section B: Metallurgy** - JMM-B je zabeležio dalji napredak na JCR listi ostvarivši IF=1.317 za 2011. godinu i mesto 14/75 u oblasti Metallurgical Engineering. Prema kategorizaciji MPN RS, nastavlja sa klasifikacijom časopisa ranga M21 - vodeći medjunarodni časopis (od 2010. godine), prema WOS se nalazi na trećem mestu po

ostvarenom impakt faktoru medju časopisima koji se publikuju u Srbiji, i nalazi se na prvom mestu liste priznatih srpskih časopisa u oblasti materijali i hemijske tehnologije prema CEON-u za 2012. godinu. Tokom 2012. promenjen je gl.odg. urednik – aktuelni je Prof. dr Dragana Živković.

- **SJM** - Svrstan je prema MPNTR RS u kategoriju M24 za 2012. godinu. Tokom 2012. promenjen je gl.odg. urednik – aktuelni je Prof. dr Ivan Mihajlović.

- **ROR** - Tokom 2012. godine svrstan je u kategoriju M53 prema predlogu MPN RS. Gl. i.odg. urednik je Prof. dr Milan Trumić.

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## **16. Naučni skupovi koje je organizovao TF Bor tokom 2012. godine**

**Σ = 5**

1. **VIII Majska konferencija o strategijskom menadžmentu – MKSM12**, 25-27.05.2012., Bor (Srbija), Zbornik radova (Urednik: Ž.Živković i I.Mihajlović), Grafomed Bor, 2012. ISBN 978-86-80987-96-5

2. **XX International Scientific and Professional Meeting Ecological Truth ECO-IST'12**, 30 May-02 June 2012, Zaječar (Serbia), Proceedings (Ed. Z.Marković), Grafomed Bor, 2012. ISBN 978-86-80987-98-9

3. **VII Simpozijum Reciklažne tehnologije i održivi razvoj – RTOR12**, 5-7. septembar 2012., Sokobanja, Zbornik radova (Urednici: G. Bogdanović i M.Trumić), Grafomed Bor, 2012. ISBN 978-86-80987-97-2

- naučni skupovi na kojima je TF Bor bio suorganizator:

4. **44<sup>th</sup> International Octover Conference on Mining and Metallurgy – IOC12**, 1-3.October 2012, Bor (Serbia), Proceedings (Ed. A.Kostov and M.Ljubojev), Grafomed Bor, 2012. ISBN 978-86-7827-042-0  
(glavni organizator ovog puta je bio Institut za rudarstvo i metalurgiju, a TF Bor je bio koorganizator skupa)

5. **2<sup>nd</sup> International Symposium on Environmental and Flow Materials Management - EMFM12**, 7-9 June 2012, Zenica (BiH), Proceedings (Edited by Šefket Goletić and Dragana Živković), pp. 1-409, ISBN 978-9958-617-46-1, COBISS.BH-ID 19619334  
(glavni organizator ovog puta je bio Mašinski fakultet Univerziteta u Zenici, BiH, a TF Bor i Campus Birkenfeld Univeristy of Applied Sciences Trier, Germany su bili koorganizatori skupa)

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## **17. Nabavka opreme tokom 2012. godine**

- Tokom 2012. godine je završena i nabavka predviđjene opreme iz okvira TEMPUS MCHM projekta, i to: 4 interaktivne table, 4 digitalna voice recordera, 1 digitalni kamkoder, 1 digitalna kamera i 4 eksterne memorije.
- Odobrena oprema koja se očekuje prema projektima MPNTR još uvek je na stand by – nije stigla tokom 2012. - čeka se i dalje, dok su komadi opreme manje vrednosti (do 1000EUR), koji su naručeni preko projekata, stigli na TF Bor.