

Универзитет у Београду
Технички факултет у Бору
Број: VI/4-15-3
Бор, 28. 03. 2014. године

На основу чл. 47. Статута Техничког факултета у Бору, Наставно научно веће Факултета, на седници одржаној 27. 03. 2014. године, донело је

ОДЛУКУ

I Усваја се Извештај Комисије за обезбеђење и унапређење квалитета о оцени НИР-а у 2013. години.

II Извештај Комисије за обезбеђење и унапређење квалитета о оцени НИР-а у 2013. години, саставни је део ове Одлуке.

Доставити:

- продекану за НИР
- председнику Комисије
- архиви

ПРЕДСЕДНИК
НАСТАВНО-НАУЧНОГ ВЕЋА



Проф. др Милан Антонијевић

ДЕКАН

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 2013 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 naučnoistraživački rad i međunarodnu saradnju Prof. dr Dragana Živković, prikupila je podatke od nastavnika i saradnika sa Fakulteta o rezultatima NIR-a u 2013. godini, i sačinila detaljan izveštaj o svim rezultatima i angažovanjima u oblasti NIR-a i međunarodne saradnje na Fakultetu tokom 2013. 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 2013. 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 poglavljau monografija mameđunarodnog 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. Publikovani radovi u medjunarodnim časopisima kategorije M10+M20:
2+81=83 radova

1.2. Publikovani radovi u nacionalnim časopisima kategorije M50: **51 rad**

1.3. Citiranost u 2013. godini: **112 radova citirano ukupno 274 puta**

1.4. Publikovane monografije, zbornici radova, udžbenici: **5** monografija nacionalnog značaja kategorije M40, **3** zbornika sa medjunarodnih naučnih skupova kategorije M30, **3** zbornika sa skupova nacionalnog značaja kategorije M60 i **5** udžbenika

1.5. Saopšteni radovi na medjunarodnim i nacionalnim skupovima: **174+44=218 radova**

2. Učešće u projektima

2.1. Međunarodni projekti: **8**

2.2. Projekti kod Ministarstva prosvete i nauke R. Srbije: **27** (4 III, 9 OI, 14 TR; od toga 5 projekata na kojima su rukovodioči istraživači sa TF Bor)

2.3. Projekti za privredu + veštacjenja: **19+2=21**

2.4. Ostali projekti (projekat finansiran od CPN RS): **1**

Nastavljen je trend ravnomernije prisutnosti autora iz različitih oblasti istraživanja u broju radova kategorija M20 i M50 u odnosu na period pre 2012. godine:

- *oblast rudarstva*: 12 radova M20 (*M21-1; M23-3; M24-8*) i 4 rada M50 (*M51-1; M52-3*)
- *oblast metalurgije*: 31 rad M20 (*M21-7; M22-9; M23-13; M24-2*) i 13 radova M50 (*M51-8; M52-5*)
- *oblast tehnologije*: 6 radova M20 (*M21-3; M22-2; M23-1*) i 7 radova M50 (*M51-5; M52-2*)
- *oblast inženjerskog menadžmenta*: 14 radova M20 (*M21-1; M23-10; M24-3*) i 20 radova M50 (*M51-14; M52-3, M53-3*)
- *oblast matematike, fizike, mašinstva, informatike i elektrotehnike*: 15 radova M20 (*M21-2; M22-1; M23-11; M24-1*) i 5 radova M50 (*M51-3; M52-2*)

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 2013. godine na Fakultetu mogu se oceniti kao izuzetno uspešni. Ovaj zaključak se nameće posebno kada se dobijene brojke izraze u odnosu na broj zaposlenih

nastavnika. Dobijeni rezultati su među najboljima u Srbiji. U publikaciji rangiranja NIO u Srbiji Tehnički fakultet u Boru rangiran je na 19 mestu, a u odnos na Tehničke fakultete BU nalazi se na drugom mestu.

2. Na dijagramima u prilogu 1 prikazan je trend broja publikovanih radova, ostvarenih citata i broj projekata koji se realizuju na TF u Boru u periodu od 2007. godine od kada se ovi rezultati mere na Fakultetu. Dobijeni rezultati pokazuju trend pozitivnog rasta. Ova činjenica ohrabruje zato što stvara osnovne prepostavke 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 , kao i radova u časopisima tipa TTEM i Metalurgija Internacional (9 radova) o kojima je Nacionalni savet za nauku zauzeo negativan stav, što može biti nepovoljno kod budućih izbora u zvanja s obzirom da se na BU o ovom problemu u novije vreme sve više razgovara , 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, marta 2014. godine

Predsednik Komisije
Prof. dr Živan Živković

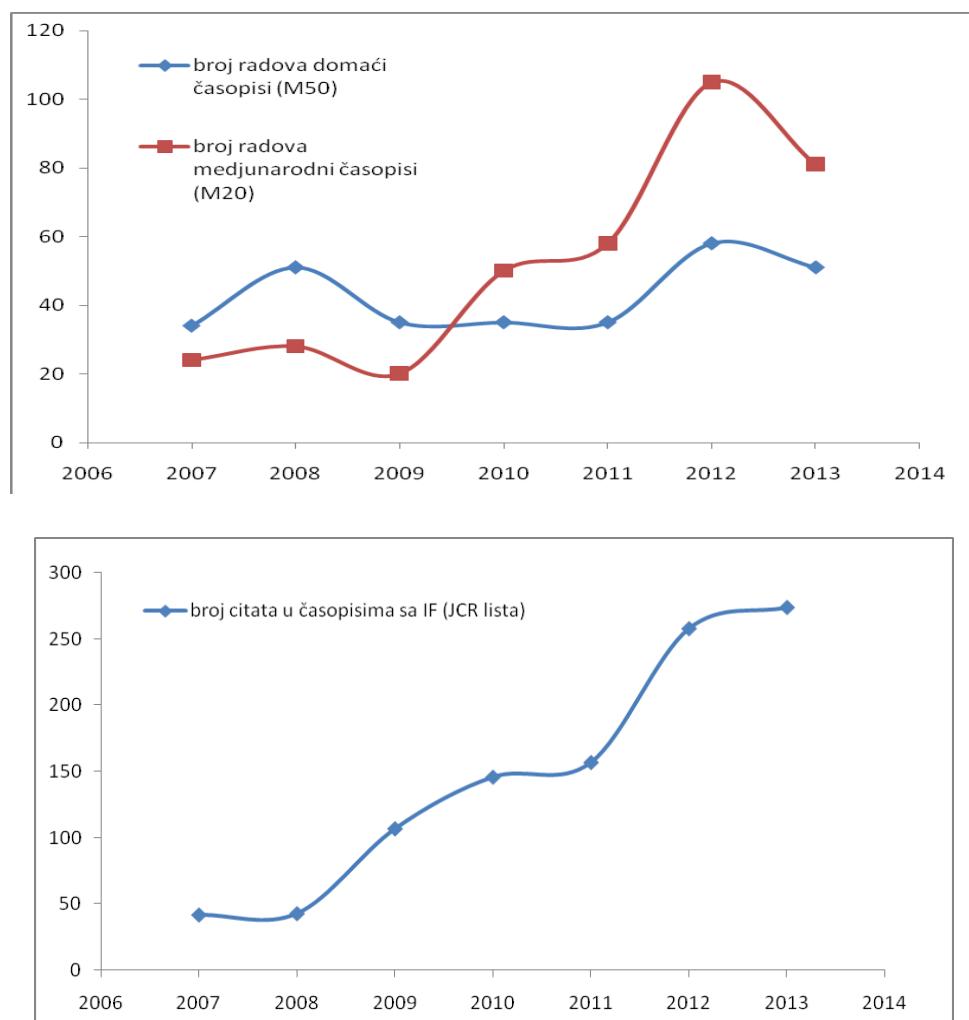
Prilog 1. Grafički prikaz rezultata

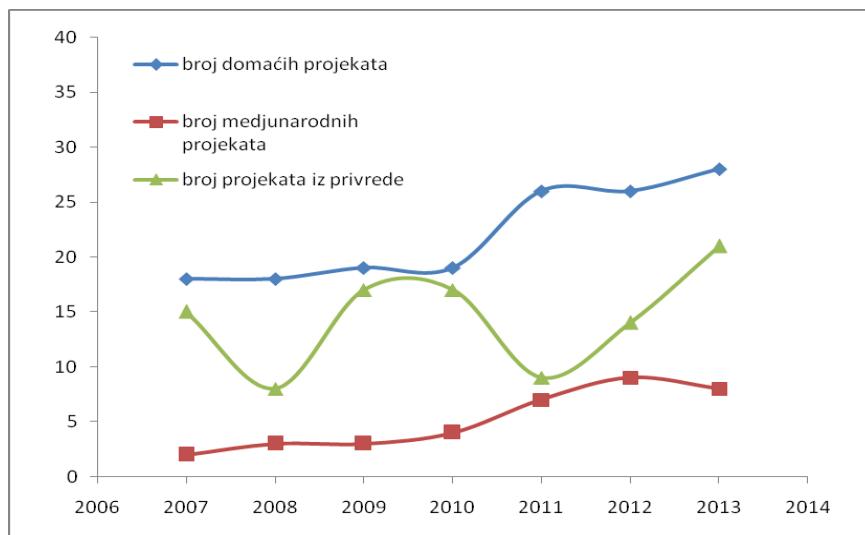
Prilog 2. Izveštaj Prodekanza za NIR i međunarodnu saradnju

Dostavljeno:

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

Prilog 1.





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ОДЛУКУ

I Усваја се Извештај о Научно истраживачком раду и међународној сарадњи у 2013. години.

II Извештај о Научно истраживачком раду и међународној сарадњи у 2013. години, саставни је део ове Одлуке.

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НАСТАВНО-НАУЧНОГ ВЕЋА

ДЕКАН

Проф. др Милан Антонијевић



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



**GODIŠNJI IZVEŠTAJ
O REZULTATIMA NIR-A**

2013. godina

**Bor,
1. marta 2014.**

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

2013. godina

OSNOVNI PODACI

Izveštaj o radu u oblasti NIR-a i medjunarodne saradnje na Tehničkom fakultetu u Boru za 2013. 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 medjunarodne saradnje Fakulteta
- Spisak naučnih skupova u organizaciji Fakulteta
- Spisak aktivnosti u izdavačkoj delatnosti Fakulteta
- Spisak ostalih aktivnosti Fakulteta od značaja za NIR I MS

Imajući u vidu elemente za ocenjivanje kvaliteta naučnog rada, na osnovu čl.7 *Pravilnika o vrednovanju rezultata naučnog rada nastavnika i saradnika Tehničkog fakulteta u Boru*, a prema uvidu u rezultate NIR-a na TF Bor tokom 2013. godine, predstavljenih u prilogu datom u produžetku ovog teksta, mogu se izvući *osnovni podaci*:

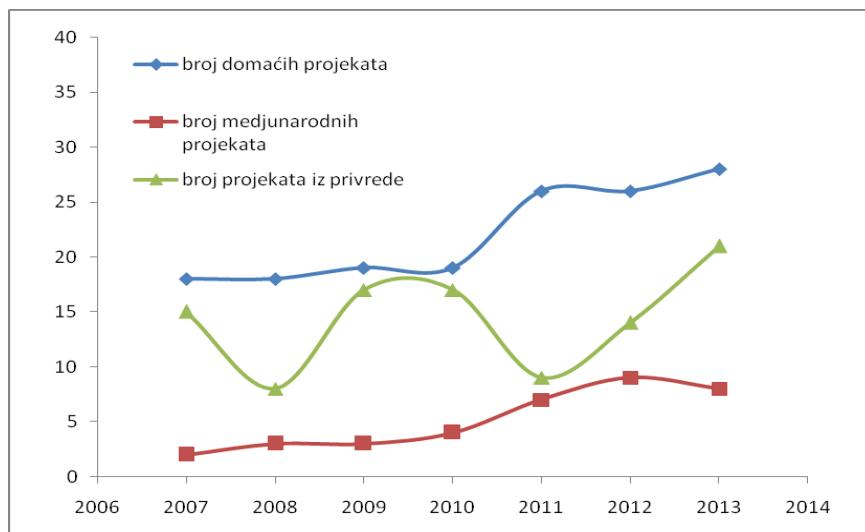
1. Publikovani radovi u medjunarodnim časopisima kategorije M10+M20: **2+81=83 radova**
2. Publikovani radovi u nacionalnim časopisima kategorije M50: **51 rad**
3. Citiranost u 2013. godini: **112 radova citirano ukupno 274 puta**
4. Publikovane monografije, zbornici radova, udžbenici: **5** monografija nacionalnog značaja kategorije M40, **3** zbornika sa medjunarodnih naučnih skupova kategorije M30, **3** zbornika sa skupova nacionalnog značaja kategorije M60 i **5** udžbenika
5. Saopšteni radovi na medjunarodnim i nacionalnim skupovima: **174+44=218 radova**
6. Angažovanje na projektima:
 - 6.1. Međunarodni projekti: **8**
 - 6.2. Projekti kod Ministarstva prosvete i nauke R. Srbije: **27** (4 III, 9 OI, 14 TR; od toga 5 projekata na kojima su rukovodioci istraživači sa TF Bor)
 - 6.3. Projekti za privredu + veštačenja: **19+2=21**
 - 6.4. Ostali projekti (projekat finansiran od CPN RS): **1**

Zbirni prikaz rezultata NIR-a za 2013. godinu dat je u Tab. 1.

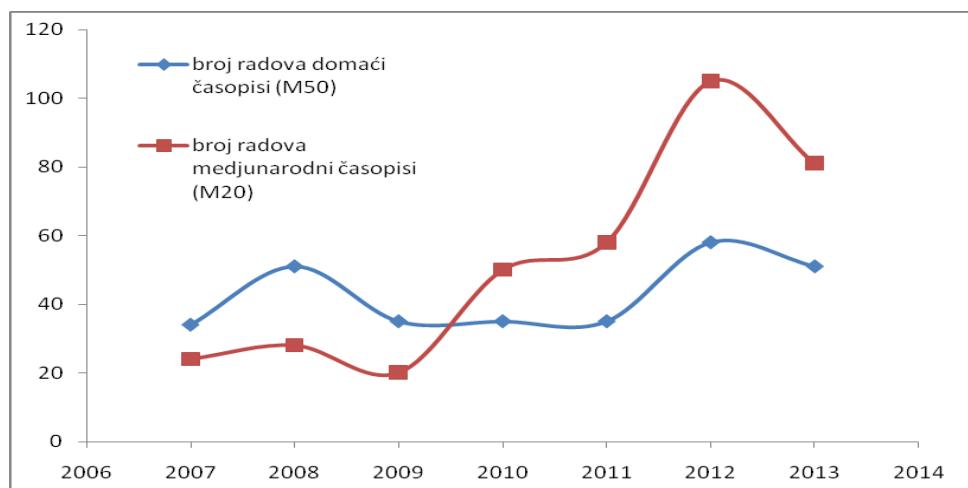
Tabela 1. Zbirni prikaz rezultata NIR & MS za UB, TFB – godina 2013.

NIR & MS rezultati 2013. PREGLED ZA UB, TF BOR		
Tip rezultata/kategorija prema MPN	Broj ostvarenih rezultata	UKUPNO
M13	1	
M15	1	M10 – 2
M21	14	
M22	12	
M23	38	M20 - 81
M24	14	
M28	3	
M33	143	
M34	31	M30 - 177
M36	3	
M42	2	
M44	3	M40 - 6
M45	1	
M51	31	
M52	15	M50 – 51
M53	3	
M55	1	
M56	1	
M63	20	
M64	24	M60 - 47
M66	3	
M71	5	M70 - 5
M82	3	
M83	3	M80 - 9
M84	1	
M85	2	
M93	1	M90 - 1
Udžbenici	5	5
Citiranost	112 radova citirano 274 puta	
Međunarodni projekti	8	
Projekti finansirani od MPN RS	27	
Projekti finansirani od privrede i ostali projekti	22	
Studijski boravci	sa TFB	12 nastavnika i saradnika / 8 poseta
	na TFB	14
Organizovani naučni skupovi	6 (4 medjunarodna i 2 nacionalna sa medjunarodnim učešćem)	
Publikovani časopisi	4	

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



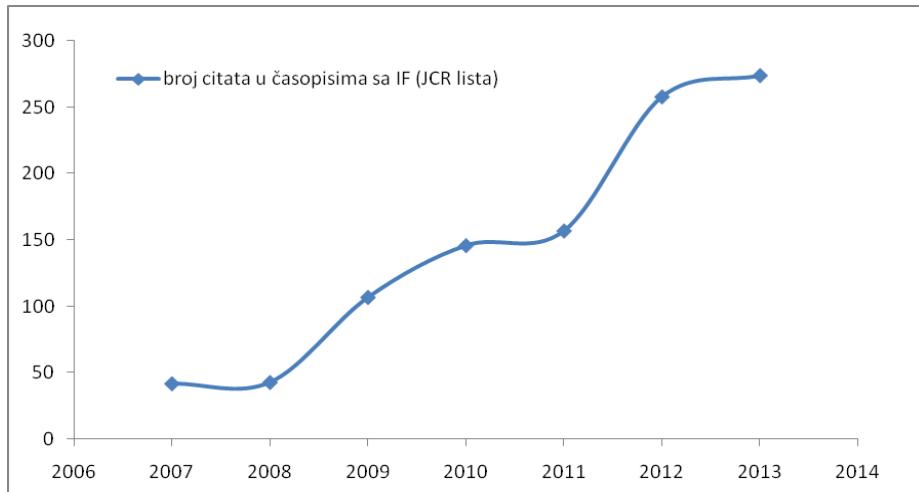
Sl.1. Komparativni prikaz broja projekata na TF Bor u periodu 2007. - 2013. god.



Sl.2. Komparativni prikaz broja radova (M20 i M50) na TF Bor u periodu 2007. - 2013. god.

Tabela 2. Komparativni prikaz broja rezultata kategorija M30, M60, M70 i M80 u periodu 2010. - 2013. god.

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



Sl.3. Komparativni prikaz broja citata na JCR listi - TF Bor, period 2007. - 2013. god.

Iako se prethodno predstavljen ukupni rezultat aktivnosti iz oblasti NIR-a i MS-a može smatrati zadovoljavajućim imajući u vidu opšte aktuelno stanje i postojeće probleme u nauci u Srbiji uopšte, realno sagledavanje situacije i poredjenje sa prethodnim periodom ukazuje na blagi kvantitativni pad rezultata, posebno u broju publikovanih radova kategorija M20 (2012.-97, 2013.-81) i M50 (2012.-58, 2013.-51) (Sl.2.). Značajno poboljšanje se uočava u povećanju broja projekata sa privredom (2012.-14, 2013.-21), broja saopštenja na skupovima medjunarodnog značaja (2012.- 161, 2013.-174) i citiranosti (2012.- 111 radova citirano 258 puta, 2013.-112 radova citirano 274 puta), a neznatno poboljšanje u broju tehničko-razvojnih rešenja (2012.-8, 2013.-9). Broj projekata TR, koje finansira MPNTR RS, uvećan je za jedan dodatni (TR 34024) u odnosu na spisak projekata na kojima su učestvovali istraživači sa TF Bor iz prethodne godine.

Nastavljen je trend ravnomernije prisutnosti autora iz različitih oblasti istraživanja u broju radova kategorija M20 i M50 u odnosu na period pre 2012. godine:

- oblast rударства: 12 radova M20 (*M21-1; M23-3; M24-8*) i 4 rada M50 (*M51-1; M52-3*)
- oblast metalurgije: 31 rad M20 (*M21-7; M22-9; M23-13; M24-2*) i 13 radova M50 (*M51-8; M52-5*)
- oblast tehnologije: 6 radova M20 (*M21-3; M22-2; M23-1*) i 7 radova M50 (*M51-5; M52-2*)
- oblast inženjerskog menadžmenta: 14 radova M20 (*M21-1; M23-10; M24-3*) i 20 radova M50 (*M51-14; M52-3; M53-3*)
- oblast matematike, fizike, mašinstva, informatike i elektrotehnike: 15 radova M20 (*M21-2; M22-1; M23-11; M24-1*) i 5 radova M50 (*M51-3; M52-2*)

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 2013. godinu, i to posebno: prof. dr Milan Antonijević – 32 rada citirano 110 puta (ukupni broj radova 62), prof. dr Dragana Živković – 46 radova citirano 75 puta (ukupni broj radova 171), i prof. dr Živan Živković – 27 radova citirano 37 puta (ukupni broj radova 141). (Navedeni podaci se odnose na citiranost bez autocitata.)

Obzirom na bitno povećan broj podmladjenog kadra u zadnjih par godina, realno je očekivati značajnije rezultate njihovih aktivnosti u oblasti NIR-a u odnosu na stanje dobijeno uvidom u rezultate iz 2013. godine. Ovo iz razloga što su rezultati za prethodnu 2012. godinu bilo bolji. Dakle, potrebno je aktivnije učešće mladih – asistenata, doktorskih studenata, i mladih docenata u ukupnom broju radova u narednom periodu.

Vezano za tekući projektni ciklus kod MPNTR, i dalje su prisutni stalni materijalno-finansijski problemi. Sredstva za DMT su značajno kasnila - tek tokom marta 2013. godine je isplaćen zadnji deo materijalnih troškova za 2012. godinu, a prvi deo sredstava za tekuću godinu je stigao početkom jula meseca, što je otežalo adekvatno sprovodjenje aktivnosti iz NIR-a prema ranije utvrđenim planovima. Do novembra meseca su ipak, iako neurednim tempom, isplaćena sva sredstva za 2013. godinu. Kapitalna oprema koja je odobrena određenim projektima još uvek nije stigla, ali su i tokom ove godine stizali materijal za rad i sitna oprema nabavljeni preko JUP-a. Jasno je da ovakvi trendovi u aktuelnom projektnom ciklusu neće dovesti do maksimalno kvalitetnih rezultata, niti omogućiti adekvatno izvršenje predviđenih projektnih aktivnosti.

U oblasti saradnje sa privredom, koja je poboljšana tokom prošle godine, prevashodno se radi o tehničkim kontrolama rudarskih projekata. Tokom 2013. godine su nastavljene i započete akcije vezane za popularizaciju nauke kod mladih – kroz projekat finansiran od Centra za promociju nauke R.Srbije pod nazivom “KARAVAN NAUKE - Timočki naučni tornado TNT13” (učesnici na projektu pored TF Bor - Muzej rудarstva i metalurgije u Boru, OŠ Duško Radović Bor, Društvo mladih istraživača Bor, u saradnji sa OŠ Desanka Maksimović u Zaječaru i Narodnim muzejem u Zaječaru). U okviru projekta je organizovana i izložba autora sa TF Bor *Tajni svet metala i minerala*.

U okviru *Mreže tehnoloških brokeri Srbije*, dvojica mladih kolega (MSc. Ivica Nikolić i Doc.dr Ljubiša Balanović) su tokom 2013. godine dobili licence medju prvim srpskim tehnološkim brokerima.

TF Bor je i ove godine imao brojna dešavanja na planu medjunarodne saradnje. Kao i svake godine, potpisani su bilateralni sporazumi i ugovori o poslovno-tehničkoj saradnji sa relevantnim visokoškolskim organizacijama, naučnim institutima i drugim ustanovama iz srodnih oblasti iz Srbije i inostranstva; nastavljen je uspešan rad akademskih mreža u kojima je TF Bor aktivni partner (Resita Network, MetNet, EURAXESS mreža, a od 2013. TF Bor je i član Srpske nacionalne mreže tehnoloških brokeri), a kroz aktuelne medjunarodne projekte ostvareni su važni kontakti sa respektabilnim evropskim akademskim i naučnim institucijama, što stvara povoljnu klimu za razvoj daljih aktivnosti u smislu medjunarodne razmene studenata i nastavnog osoblja. Beleži se značajan broj organizovanih poseta doktorskih studenata i nastavnika TF Bor partnerskim fakultetima u inostranstvu, kao i poseta i predavanja nastavnika sa inostranih univerziteta (Kanada, Nemačka, Slovenija, Bugarska, Hrvatska, Makedonija, Albanija, Rumunija, BiH, Malezija, Rusija, Velika Britanija, etc.) na TF Bor, medju kojima i pojedinih uvaženih svetskih imena, što je opširnije opisano u samom pregledu rezultata. Ovo je trend koji i 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 (2012) = 1,435 (Metallurgy & Metallurgical Engineering 14/75), u odnosu na rezultate iz prethodnih godina (IF(2009)=0.548(29/70), IF(2010)=1.294(12/76), IF (2011) = 1,317). Tokom prošle godine je ovaj časopis po prvi put dobio i svoj petogodišnji impakt-faktor, koji iznosi IF(2007-2012)=1,309 (15/76). 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 2013. godini, finansiran od strane MPNTR RS) i *Journal of Mining and Metallurgy, Section A: Mining* (klasifikovan u kategoriju M51 prema MPNTR RS u 2013., što je poboljšana pozicija u odnosu na kategoriju M53 u 2012. godini) nastavljaju dalje dobrim tempom i očekuje se poboljšanje njihovih pozicija na listama kategorizacije časopisa, a četvrti časopis koji izdaje TF Bor - *Reciklaža i održivi razvoj*, i u 2013. godini je kategorisan kao M53. Treba napomenuti da finansijska situacija u oblasti publikovanja časopisa u 2013. godini nije bila nimalo zavidna, čak izuzetno teška, jer sredstva za časopise nisu bila uplaćena tokom cele godine (JMM-B, SJM, ...).

Tokom protekle godine, Fakultet je uspešno organizovao šest naučnih skupova:

- IX International May Conference on Strategic Management - MCSM2013 (Bor, maj 2013.) , u okviru koga je održan i studentski simpozijum na istu temu,
- XXI International Scientific and Professional Meeting "Ecological Truth" ECO-IST 2013 (B.Jezero, jun 2013.)
- VIII Simpozijum Reciklažne tehnologije i održivi razvoj - SRTOR2013 (B.Jezero, jul 2013.), u okviru koga je održan i studentski simpozijum na istu temu,
- 45th International October Conference on Mining and Metallurgy IOC 2013 (B.Jezero, oktobar 2013.)
- VI Simpozijum o termodinamici i faznim dijagramima – TDPM2013 (B. Jezero, oktobar, 2013.)

i učestvovao kao suorganizator jednog naučnog skupa:

- 3nd International Symposium on Environmental and Materials Flow Management – EMFM 2013 (Birkenfeld, Germany, jun 2013.)

Organizaciju prošlogodišnjih skupova pomogli su, pored generalnog sponzora MPNTR RS, i donatori – RTB Bor, Rakita Exploration doo. Bor, Avala Resources Ltd., SGS, Micromine, i drugi, sa kojima je ostvarena dobra saradnja, a sa navedenim firmama se očekuje i potpisivanje bilateralnog sporazuma o poslovno-tehničkoj saradnji u narednom periodu.

Takodje, u organizaciji TF Bor je održana i jedna naučna radionica u sklopu Resita Network (Bor, mart 2013.), a TF Bor je juna meseca 2013. godine bio i domaćin sastanka EU-HETIP projektnog tima.

TF Bor je tokom 2013. godine imao i živu sajamsku aktivnost - beleži se zapaženo učešće na tri sajma, i to na:

- 10. jubilarnom međunarodnom sajmu obrazovanja EDUfair 2013, u periodu od 8-9. marta 2013. godine
- 57. Međunarodnom sajmu tehnike i tehničkih dostignuća pod nazivom „Korak u budućnost,, u periodu od 13. do 17. maja 2013. godine (koordinator: Prof. dr Nada Šrbac)
- 58. Medjunarodnom beogradskom sajmu knjiga, u periodu od 20-27. oktobra 2013 (koordinator: Prof. dr Mirjana Rajčić Vujasinović)

Fakultet je tokom 2013. godine izvršio i izmenu svog dosadašnjeg logo-znaka.

I na kraju, treba pomenuti izuzetno važnu činjenicu: tokom 2013. godine je konačno završena realizacija javnih radova na adaptaciji i uredjivanju zgrade dekanata i stare zgrade TF Bor, kao prvi deo aktivnosti u okviru EU-HETIP projekta *Obnova nastavnih zgrada i nabavka nastavne i istraživačke opreme na Tehničkom fakultetu u Boru*, koji je započet 2010. godine (izvodjač radova je bila *Jugogradnja* iz Beograda). Očekuje se da u toku drugog dela aktivnosti na ovom projektu, tokom 2014. godine stigne i dugo očekivana oprema u vrednosti od 450.000EUR. Takodje, u okviru TEMPUS-MCHEM projekta biblioteka Fakulteta je tokom 2013. godine obogatila svoj fond sa 20 najnovijih knjiga vodećih svetskih izdavača na temu zaštite životne sredine i srodnih oblasti.

Iz datog izveštaja se može uočiti da su rezultati na TF Bor u oblasti NIR-a i medjunarodne saradnje za 2013. godinu, iako zadovoljavajući, nešto slabiji u odnosu na prethodnu 2012. godinu (imajući u vidu elemente za ocenjivanje kvaliteta naučnog rada, na osnovu čl.7 *Pravilnika o vrednovanju rezultata naučnog rada nastavnika i saradnika Tehničkog fakulteta u Boru*), pa treba zaključiti da je neophodno raditi na njihovom poboljšanju i stvaranju uslova za unapredjenje aktivnosti u ovoj oblasti u narednom periodu.

Podnositelj izveštaja:



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

U Boru,
1. marta 2014. 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 podataka relevantnih za izveštaj, kao i da se zahvalim svim kolegama na saradnji i promptnosti u slanju izveštaja vezano za rezultate NIR-a u 2013. godini.

1. Publikovani radovi u medjunarodnim časopisima i ostali rezultati iz kategorije M20:

$\Sigma = 81$

M21 – 14

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2. M. Antonijević, Urednik, Zaštita materijala (ISSN 0351-9465) (kategorija M24 za 2013. godinu)
3. I. Mihajlović, Editor-in-Chief – Serbian Journal of Management (ISSN 1452-4864) (kategorija M24 za 2013. godinu)

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$\Sigma = 51$

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M56 - 1

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$\Sigma = 13$

M13 - 1

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M15 - 1

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M34 - 31

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4. **M. Arsić**, Modelovanje procesa stvaranja prizemnog ozona i njegove distribucije u urbanim sredinama, , 2013, Tehnički fakultet u Boru, Univerzitet u Beogradu. Mentor: Prof. dr Živan Živković, Tehnički fakultet u Boru, Univerzitet u Beogradu.
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$\Sigma = 10$

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9. Učešće na medjunarodnim projektima:

$\Sigma = 8$

1. TEMPUS projekat (tip: Joint Project) - 511044-TEMPUS-1-2010-1 Modernisation of Post-Graduate Studies in Chemistry and Chemistry Related Programmes – MCHEM, 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 Petrović, Milan Radovanović, Snežana Milic, Ljubiša Balanović, Ačleksandra Mitovski, Grozdanka Bogdanović, Ivana Marković

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 2013-2014. – Uporedno termodinamičko ispitivanje i karakterizacija naprednih ekoloških legura sa pamćenjem oblika, rukovodilac Dragana Živković, istraživači sa Fakulteta: Dragan Manasijević, Ljubiša Balanović, Aleksandra Mitovski

4. DAAD projekat - Academic Reconstruction South Eastern Europe programme: Resita Network - Innovation and Entrepreneurship, 2013., učesница projekta sa Fakulteta: Dragana Živković, Živan Živković, Ivan Mihajlović, Djordje Nikolić

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), 2013., rukovodilac projekta Tamara Holjevac Grgurić, MF Sisak, koordinatori: Dragana Živković TF Bor i Diana Ćubela 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 učenici: Milan Antonijevic, Dragana Zivkovic, Snežana Milic, Desimir Markovic, M.Trumić, M.Ćiprijanovic, M.Žikić

8. Projekat razvoja nacionalnog programa tehnoloških brokera - Integrated Innovation Support Programme, Project Funded by the European Union, učesnici: I.Nikolić, Lj.Balanović, D.Živković)

10. Učešće na projektima MPNTR:

Σ = 27

Red. broj	Naziv projekta	Istraživači	Oblast	Broj projekta	Nosilac Koordinator	Rukovodilac
1.	``Razvoj tehnologija flotacijske prerade ruda bakra i plemenitih metala radi postizanja boljih tehnoloških rezultata``	Zoran Marković, Zoran Širbanović	TR	33023 (225/275)	Institut za rudarstvo i metalurgiju Bor	dr Dragan Milanović, naučni saradnik
2.	``Monitoring elektromagnetskih zračenja mobilnih telekomunikacionih sistema u životnoj sredini, analiza molekularnih mehanizama i biomarkera oštećenja kod hronične izloženosti sa razvojem modela za procenu rizika i metoda za zaštitu od zračenja``	Čedomir Maluckov	III	43012 (24/110)	Medicinski fakultet u Nišu	dr Dušan Sokolović, docent
3.	``Zajednička istraživanja i uticaja jonizujućeg i UV zračenja u oblasti medicine i zaštite životne sredine``	Čedomir Maluckov	III	43011 (58/110)	Elektronski fakultet u Nišu	dr Goran Ristić, red. profesor
4.	``Magmatizam i geodinamika balkanskog poluostrva od mezozoika do danas: značaj za obrazovanje metaličnih i nemetaličnih rudnih ležišta``	Miodrag Banješević	OI	176016 (130/395)	Rudarsko-geološki fakultet u Beogradu	dr Vladica Cvetković, redovni profesor
5.	``Virtuelni koštano zglobni sistem čoveka i njegova primena u predkliničkoj i kliničkoj praksi``	Dejan Tanikić, Dalibor Đenadić	III	41017 (69/110)	Mašinski fakultet u Nišu	dr Miroslav Trajanović, redovni profesor

6.	``Minerali Srbije: Sastav, geneza, primena i doprinos održavanju životne sredine``	Mira Cocić,	OI	176010 (387/395)	Rudarsko-geološki fakultet u Beogradu	dr Mihovil Logar, red. profesor
7.	``Nov pristup dizajniranju materijala za konverziju i skladištenje energije``	Mirjana Rajčić – Vujasinović, Zoran Stević, Vesna Grekulović,	OI	172060 (38/395)	Institut za hemiju, tehnologiju i metalurgiju u Beogradu	dr Amalija Tripković, naučni savetnik
8.	``Uticaj rudarskog otpada iz RTB-a Bor na zagađenje vodotokova sa predlogom mera i postupaka za smanjenje štetnog dejstva na životnu sredinu``	Dejan Antić,	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``	Darko Brodić, Vladimir Despotović	TR	33037 (163/275)	Institut za rudarstvo i metalurgiju Bor	dr Dragan Milivojević, naučni saradnik
10.	``Funkcionalna analiza, stohastička analiza i primene``	Ivana Đolović, I. Radojević	OI	174007 (146/395)	Prirodno matematički fakultet u Nišu	dr Dragan Đorđević, redovni profesor
11.	``Razvoj naprednih materijala i tehnologija za multifunkcionalnu primenu zasnovanih na ekološkom znanju``	Vladimir Despotović, Dejan Tanikić,	TR	34005 (128/275)	Institut za rudarstvo i metalurgiju Bor	dr Ana Kostov naučni savetnik
12.	``Razvoj tehnoloških procesa prerade nestandardnih koncentrata bakra u cilju optimizacije emisije zagađujućih materijala``	Nada Šrbac, Ivan Mihajlović, Milovan Vučović, Dejan Bogdanović, Aleksandra Mitovski, Milica Arsić, Đorđe Nikolić, Ivan Jovanović, Isidora Đurić	TR	34023 (50/275)	Tehnički fakultet u Boru	dr Nada Šrbac, redovni profesor
13.	``Razvoj novih i unapređenje postojećih tehnoloških postupaka proizvodnje tehničkih tekstilnih materijala``	Snežana Urošević	TR	34020 (188/275)	Tehnološki fakultet u Leskovcu	dr Miodrag Stamenković, prof.
14.	``Neki aspekti rastvaranja metala i prirodnih minerala``	Milan Antonijević, Snežana Milić, Grozdanka Bogdanović, Mile Dimitrijević, Marija Petrović, Milan Radovanović, Ana Stamenković,	OI	172031 (184/110)	Tehnički fakultet u Boru	dr Milan Antonijević, redovni profesor

		Maja Trumić,				
15.	``Razvoj novih inkapsulacionih i enzimskih tehnologija za proizvodnju biokatalizatora i biološko aktivnih supstanci hrane u cilju povećanja njene konkurentnosti, kvaliteta i bezbednosti``	Snežana Šerbula, Nenad Vušović, Slađana Alagić, Snežana Urošević, Ana Ilić, Tanja Kalinović, Jelena Strojić, Milan Gorgievski	III	46010 (13/110)	Tehnološko metalurški fakultet u Beogradu Tehnički fakultet u Boru	dr Branko Bugarski, red.prof.
16.	``Implementacija savremenijih tehničko-tehnoloških i ekoloških rešenja u postojećim proizvodnim sistemima Rudnika bakra Bor i Rudnika bakra Majdanpek``	Rodoljub Stanojlović, Zoran Marković, Milan Trumić, Jovica Sokolović, Zoran Štirbanović	TR	33007 (200/275)	Institut za tehnologiju nuklearnih i drugih mineralnih sirovina Beograd	dr Vladan Milošević, naučni saradnik
17.	``Savremeni višekomponentni metalni sistemi i nanostrukturalni materijali sa različitim funkcionalnim svojstvima``	Dragana Živković, Živan Živković, Dragan Manasijević, Ljubiša Balanović	OI	172037 (4/395)	Tehnički fakultet u Boru	dr Dragana Živković, redovni profesor
18.	``Dinamika hibridnih sistema``	Jelena Đoković	OI	174001 (268/395)	Matematički institut SANU Beograd	dr Katica (Stevanović) Hedrih, naučni savetnik
19.	``Razvoj tehnologije proizvodnje Rd katalizatora-hvatača za smanjenje gubitaka platine u visoko temperaturnim procesima katalize``	Saša Marjanović	TR	34029 (274/275)	Institut za rударство i metalurgiju Bor	dr Biserka Trumić, viši naučni saradnik
20.	``Osvajanje proizvodnje livenih legura Cu-Au,Cu-Ag,Cu-Pt,Cu-Pd,Cu-Rh poboljšanih svojstava primenom mehanizma ojačavanja žarenjem``	Svetlana Nestorović, Desimir Marković, Dragoslav Gusković, Ljubica Ivanić, Svetlana Ivanov, Ivana Marković, Saša Marjanović, Vesna Grekulović, Bata Marjanović	TR	34003 (192/275)	Tehnički fakultet u Boru	dr Svetlana Nestorović, redovni profesor
21.	``Razvoj ekoloških i energetski efikasnijih tehnologija za proizvodnju obojenih i plemenitih metala kombinacijom bioluženja, solventne ekstrakcije i elektrolitičke rafinacije``	Svetlana Ivanov	TR	34004 (257/275)	Institut za rudarstvo i metalurgiju Bor Tehnički fakultet u Boru	dr Vladimir Cvetkovski, naučni saradnik

22.	``Istraživanje i praćenje promena naponsko – deformacionog stanja u stenskom masivu ``IN SITU'' oko podzemnih prostorija sa izradom modela sa posebnim osvrtom na tunel kriveljske reke i jame Bor``	Vitomir Milić	TR	33021 (265/275)	Institut za rударство i metalurgiju Bor Tehnički fakultet u Boru	dr Milenko Ljubojev, naučni savetnik
23.	``Problemi nelinearne analize, teorije operato-ra, topologije i primene``	Darko Kocev	OI	174025 (197/395)	Prirodno matematički fakultet u Nišu Tehnički fakultet u Boru	dr Vladimir Rakočević, redovni profesor
24.	“Usavršavanje tehnologije eksploracije i prerade rude bakra sa monitoringom životne i radne sredine u RTB Bor-Grupa“	Radoje Pantović, Nenad Vušović Vitomir Milić Miodrag Žikić, Radmilo Nikolić Rodoljub Stanojlović Snežana Šerbula, Miodrag Denić, Miodrag Banješević, Saša Stojadinović, Igor Svrkota, Jovica Sokolović, Dejan Petrović, Ana Ilić, Tanja Kalinović, Jelena Strojić	TR	33038 (208/275)	Tehnički fakultet u Boru	dr Nenad Vušović, redovni profesor
25.	„Istraživanje mogućnosti primene AT (Advanced technology) viseće podgrade u rudnicima u cilju povećanja bezbednosti rada i efikasnosti proizvodnje“	Miodrag Denić	TR	33025 (23/275)	Rudarsko-geološki fakultet u Beogradu Tehnički fakultet u Boru	dr Vojin Čokorilo, red. profesor
26.	„Održivost identiteta Srba i nacionalnih manjina u pograničnim opštinama Istočne i Jugoistočne Srbije „,	Milovan Vuković, Danijela Voza	OI	179013 (131/395)	Mašinski fakultet u Nišu Tehnički fakultet u Boru	dr Dragoljub Đorđević, red.prof.
27.	Razvoj tehnologije za reciklažu plamenitih, retkih i pratećih metala iz čvrstog otpada Srbije do visokokvalitetnih proizvoda	Milan Gorgievski	TR	34024	IRM Bor	dr Vlastimir Trujić

Projekti finansirani od strane Centra za promociju nauke R.Srbije - 1:

1. *Karavan nauke "Timočki Naučni Tornado" - TNT13*; period: 10.10.2013 - 31.12.2013, Centar za promociju nauke Beograd, rukovodilac projekta: prof. dr Dragana Živković, realizatori projekta: Tehnički fakultet u Boru Univerziteta u Beogradu, OŠ Dušan Radović Bor, Muzej rударства i metalurgije u Boru i Društvo mlađih istraživača Bor. (A. Mitovski, I. Marković, V. Grekulović, Ž. Tasić, Z. Štirbanović, A. Radojević, T. Kalinović, Lj. Balanović, S. Nestorović, M. Gorgievski, J. Sokolović)

Saradnja sa privredom - 19:

1. Tehničko-ekonomska ocena za potrebe kompletiranja Elaborata o rezervama bora u ležištu „Piskanja“ kod Baljevca na Ibru. Investitor: BALKAN GOLD d.o.o. Izvršilac: Tehnički fakultet u Boru. Rukovodilac tima: dr Saša Stojadinović. Ostali članovi: dr Miodrag Žikić, dr Radoje Pantović, mr Igor Svrkota, Dejan Petrović, Aleksandar Budelan.
2. R. Pantović, M. Žikić, S. Stojadinović, Z. Damnjanović, Uprošćeni rudarski projekat monitoringa uticaja seizmičkih potresa pri izvođenju miniranja na površinskom kopu Veliki Krivelj na objekte u selu Veliki Krivelj, investitor Rudnici bakra Bor
3. R. Pantović, M. Žikić, S. Stojadinović, Uprošćeni rudarski projekat otkopavanja rude i raskrivke na južnom delu Severnog Revira u zoni transportnog sistema 2, investitor Rudnik bakra Majdanpek
4. V. Veličković, R. Pantović, S. Tričković, M. Žikić, S. Stojadinović, Glavni projekat zaštite od požara za skladište eksploziva na lokaciji Svračkovci kod Gornjeg Milanovca, investitor EXPLODAR DOO Surčin.
5. R. Pantović, D. Tanikić, M. Žikić, S. Stojadinović, S. Tričković, ELABORAT ZA ODOBRENJE LOKACIJE SKLADIŠTA EKSPLOZIVA (bivši vojni objekat na lokaciji Svračkovci kod Gornjeg Milanovca), investitor EXPLODAR DOO Surčin, Tehnički fakultet je projektant, radna grupa 2013.
6. R. Pantović, I. Svrkota, J. Sokolović, M. Voza, D. Trujić, Studija o geomehaničkim ispitivanjima uzoraka gline za Rudnik i flotaciju Rudnik - Rudnik, investitor Rudnik i flotacija Rudnik, Rudnik
7. R. Pantović, Studija godišnje provere stabilnosti kosina površinskog kopa krečnjaka „Plana“, investitor Srpska fabrika stakla – Paraćin
8. R. Pantović, D. Tanikić, M. Žikić, S. Stojadinović, S. Tričković, Elaborat za odobrenje lokacije skladišta eksploziva na lokaciji Svračkovci kod Gornjeg Milanovca, investitor EXPLODAR DOO Surčin
9. V. Milić, R. Pantović, Tehnička kontrola „DRP izmenjene metode otkopavanja rudnog tela“ Čoka Marin-1“, I faza otkopavanja“ i „Elaborata o geotehničkim uslovima eksplatacije rude i osiguranja podzemnog otkopa u rudnom telu „Čoka Marin-1“, investitor Rudnik bakra Majdanpek

10. M. Žikić, V. Milić, Tehnička kontrola: „Godišnjeg operativnog plana rudnika bakra Majdanpek za 2013. godinu”. Bor, 2013. godine.
11. M. Žikić, V. Milić, Tehnička kontrola: „Godišnjih operativnih planova za 2013. godinu za pogone rudnika bakra Bor doo”. Bor, 2013. godine.
12. V. Milić, Tehničke kontrole u toku izrade: „Dopunskog rudarskog projekta izmenjene metode otkopavanja rudnog tela „Čoka Marin-1” i Elaborata o geotehničkim uslovima eksploatacije rude i osiguranja podzemnog otkopa u rudnom telu „Čoka Marin-1”, koji je podloga DRP-a. Bor, 2013. godine.
13. V. Milić, Tehnička kontrola: „Rudarskog projekta za izradu istražnih prostorija i komora za istraživanje rudnog tela „D” u jami Bor”, Bor 2013.
14. Z. Marković, M. Žikić, M. Tasić, Tehnička kontrola tehničkog rudarskog projekta odlaganja flotacijske jalovine pri preradi rude iz rudnog tela „Čoka Marin-1”, investitor Rudnik bakra Majdanpek, Tehnički fakultet je vršilac tehničke kontrole, 2013.
15. V. Milić, Tehnička kontrola: „Dopunskog rudarskog projekta II faze otvaranja I horizonta istočnog krila centralnog polja RMU „Soko”- Sokobanja”. Tehnički rudarski projekat izmene trase glavne ventilacione prostorije i horizonta istočnog polja RMU „Soko”- Sokobanja. Bor, 2013. godine.
16. V. Milić, Tehnička kontrola u toku izrade: „Dopunskog rudarskog projekta zapunjavanja otkopanog prostora u rudnom telu „T” u jami Bor”. Bor, 2013. godine.
17. V. Milić, Tehnička kontrola u toku izrade: „Dopunskog rudarskog projekta eksploatacije preostalih rudnih rezervi u rudnim telima „Tilva Roš” i „P2A” . Bor, 2013. godine
18. M. Žikić, R. Pantović, S. Stojadinović i M. Trumić, Tehnička kontrola tehničkog rudarskog projekta otkopavanja i pripreme karbonatne sirovine kao tehničko-građevinskog kamena na ležištu Čokoće-Novi Popovac, investitor Institut za rudarstvo i metalurgiju Bor iz Bora, Tehnički fakultet je vršilac tehničke kontrole, 2013.
19. Mihajlović, Đ. Nikolić – Projekat: Primena interaktivnih studija slučaja u savremenom obrazovanju – edukacija nastavnika srednjih škola, finansiran od strane kompanije Rudarsko Topioničarski Basen u Boru, organizator projekta: Univerzitet u Beogradu, Tehnički fakultet u Boru.

Veštačenja - 2:

1. S. Stojadinović, D. Petrović, I. Svrkota, Veštačenje za potrebe Osnovnog suda u Paraćinu, po predmetu 4K.br.1934/10.
2. M. Žikić, R. Pantović i S. Stojadinović, Mišljenje o materijalnoj i formalno pravnoj validnosti uprošćenog rudarskog projekta otkopavanja dolomita i dolomitičnih krečnjaka na ležištu krečnjaka Čokoće od K+310 do K+270, investitor HOLCIM Srbija DOO iz Popovca Tehnički fakultet je izradio mišljenje, 2013.

11. Studijski boravci ili posete drugim univerzitetima u inostranstvu

$\Sigma = 12$

1-2. A. Fedajev, T. Rajić - Studijski boravak u Nemačkoj, Univerzitet Worms, period boravka: 05.01.2013 – 28.01.2013., Međunarodna akademska mreža RESITA (Academic Entrepreneurship and Innovation Network of South Eastern European Universities)

3. D. Medić - MCHEM project (511044-TEMPUS-1-2010-1-UK-TEMPUS-JPCR “Modernisation of Post-Graduate Studies in Chemistry and Chemistry Related Programmes”), University of Greenwich, London, 07.04.-05.05.2013.

4. S.Ivanov - Poseta Swiss Federal Institute of Technology – EPFL u Lozani, Švajcarska tokom šk. 2012 / 2013. godine (15.05.2013. – 22.05.2013.).

5. M. Petrović - Poseta Mašinskom fakultetu u Skoplju, Univerzitet Sv. Kiril i Metodij u Skoplju, Republika Makedonija, radi učešća na seminaru u okviru međunarodnog projekta - TEMPUS Development of Environment and Resources Engineering Learning - DEREL, pod nazivom: Water and Wastewater Treatment, u period od 25. do 27. aprila 2013 godine.

6-7. M. Savić, I. Nikolić, Tamara Rajić, Internacionalna letnja škola u Ohridu (Makedonija) „Summer School – Social Entrepreneurship – Social Business Models“, (u organizaciji American College Skopje, u okviru aktivnosti RESITA akademske mreže) – 26.–31.05.2013. godine

8. Đ. Nikolić, U okviru akademske mreže “Resita Network” u Monschau (Ahen region-Nemačka), učešće na “Team Teaching” seminaru u periodu od 04 do 07. novembra 2013.godine.

9-10. M. Arsić, I. Nikolić, Internacionalna letnja škola u Sambata de Sus (Rumunija), okviru akademske mreže “Resita Network”–10–15. 09. 2013. godine.

11-12. D. Živković, I. Nikolić, Summer School Aachen (Nemačka), u okviru aktivnosti RESITA akademske mreže – 25-30. 11. 2013.

12. Studijski boravci ili posete sa drugih univerziteta iz inostranstvu

$\Sigma = 14$

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

1. Dr Florian Congoli, Flogen Technologies Inc., USA-Canada
2. Prof. dr Michael Graef, Worms University, Germany
3. Prof. dr Boyan Boyanov, Plovdiv University, Bulgaria
4. Prof. dr Jožef Medved, Univerzitet u Ljubljani, Slovenia
5. Prof. dr Mirko Gojić, Doc.dr Tamara Holjevac Grgurić, Univerzitet u Zagrebu, Hrvatska
6. Doc.dr Natalija Dolić Univerzitet u Zagrebu, Hrvatska
7. Doc.dr Tamara Holjevac Grgurić
8. Prof. dr Jakob Lamut, Univerzitet u Ljubljani, Slovenija
9. Prof. dr L.-S. Beh, University of Malaya, Kuala Lumpur, Malezija
10. Prof. dr A.Udovsky, Moskovski univerzitet, Rusija

11. Prof. dr Vladimir Krstić, Kvins univerzitet, Kanada
12. Prof. dr Jasmin Halebić, Univerzitet u Zenici, BiH
13. Prof. dr Vasilika Kume, Univerzitet u Tirani, Albanija
14. Prof. dr Jaka Vadnjal, GEA College, Slovenija

13. Predavanja gostiju iz zemlje i inostranstva

$\Sigma = 2$

- Poseta i predavanje Dr Nadežde Talijan (IHTM, Beograd) u organizaciji TF Bor i Podružnice SHD u Boru - 7. juna 2013. godine, na temu: *VISOKOENERGETSKI NANOKRISTALNI Nd-Fe-B magnetni materijali – sinteza, karakterizacija i primena.*
- Poseta i predavanje prof. dr Vladimira Krstića (Queen's University, Canada) u organizaciji TF Bor i Podružnice SHD u Boru - 28. maja 2013. Godine, na temu: *Osobine i primena savremene industrijske keramike*

(Ostala predavanja po pozivu organizovana su u sklopu naučnih skupova koje je Fakultet organizovao u 2013.)

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

$\Sigma = 2$

- naučna radionica u sklopu Resita Network (Bor, mart 2013.)
- sastanak EU-HETIP projektnog tima (Bor, jun 2013.)

15. Časopisi koje izdaje TF Bor

$\Sigma = 4$

- **JMM - Section A: Mining** - U 2013. godini svrstan je prema MPNTR RS u kategoriju M51 za 2013. godinu.
- **JMM - Section B: Metallurgy** - JMM-B je zabeležio dalji napredak na JCR listi ostvarivši IF(2012)=1.435 i mesto 12/76 u oblasti Metallurgical Engineering, kao i prvi petogodišnji IF(2007-2012)=1.309 i mesto 15/76 u pomenutoj oblasti. Prema kategorizaciji MPNTR RS, nastavlja sa klasifikacijom časopisa ranga M21 - vodeći međunarodni časopis (od 2010. godine), prema WOS se nalazi na drugom mestu po ostvarenom impakt faktoru medju časopisima koji se publikuju u Srbiji (poboljšanje u odnosu na prošlu godinu, kada se nalazio na trećem mestu), i nalazi se na prvom mestu liste priznatih srpskih časopisa u oblasti materijali i hemijske tehnologije prema CEON-u za 2013. godinu.
- **SJM** - Svrstan je prema MPNTR RS u kategoriju M24 za 2013. godinu.
- **ROR** - Svrstan je prema MPNTR RS u kategoriju M53 za 2013. godinu.

16. Naučni skupovi koje je organizovao TF Bor tokom 2013. godine

$\Sigma = 6$

- *kao organizator:*
 - IX International May Conference on Strategic Management - MCSM2013 (Bor, maj 2013.) , u okviru koga je održan i studentski simpozijum na istu temu
 - XXI International Scientific and Professional Meeting "Ecological Truth" ECO-IST 2013 (B.Jezero, jun 2013.)

- VIII Simpozijum Reciklažne tehnologije i održivi razvoj - SRTOR2013 (B.Jezero, jul 2013.), u okviru koga je održan i studentski simpozijum na istu temu,
 - 45th International October Conference on Mining and Metallurgy IOC 2013 (B.Jezero, oktobar 2013.)
 - VI Simpozijum o termodinamici i faznim dijagramima – TDPD2013 (B. Jezero, oktobar, 2013.)
- kao suorganizator:
 - 3nd International Symposium on Environmental and Materials Flow Management – EMFM 2013 (Birkenfeld, Germany, jun 2013.)

17. Javni radovi i nabavka opreme i knjiga tokom 2013. godine

Σ = 1

- Tokom 2013. godine je konačno završena realizacija javnih radova na adaptaciji i uredjivanju zgrade dekanata i stare zgrade TF Bor, kao prvi deo aktivnosti u okviru EU-HETIP projekta *Obnova nastavnih zgrada i nabavka nastavne i istraživačke opreme na Tehničkom fakultetu u Boru*, koji je započet 2010. godine (izvodjač radova je bila Jugogradnja iz Beograda).
- Prema planu aktivnosti, očekuje se da tokom 2014. godine, u toku drugog dela aktivnosti na projektu EU-HETIP, stigne i dugo očekivana oprema u vrednosti od 450.000EUR.
- U okviru projekta 511044-TEMPUS-1-2010-1 - *Modernization of Post-Graduate Studies in Chemistry and Chemistry Related Programmes* (TEMPUS-MCHEM) biblioteka Fakulteta je obogatila svoj fond sa 20 najnovijih knjiga vodećih svetskih izdavača na temu zaštite životne sredine i srodnih oblasti.
- Odobrena oprema koja se očekuje prema projektima MPNTR još uvek je na stand by – nije stigla ni tokom 2013.

18. Učešće na sajmovima tokom 2013. godine

Σ = 3

- *Tehnički fakultet u Boru* prvi put na 57. Međunarodnom sajmu tehnike u Beogradu:

Pod okriljem Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije, Tehnički fakultet u Boru je u Beogradu, u periodu od 13. do 17. maja 2013. godine, po prvi put učestvovao na 57. Međunarodnom sajmu tehnike i tehničkih dostignuća pod nazivom „Korak u budućnost“, i imao zapažen nastup.

- *Učešće Tehničkog fakulteta u Boru* na 10th EDUfair 2013

U hotelu Metropol u Beogradu 8. i 9. marta 2013. godine, održan je 10. jubilarni međunarodni sajam obrazovanja EDUfair. Na ovoj tradicionalnoj manifestaciji, zapažen nastup ostvarili su i fakulteti Univerziteta u Beogradu – izmedju ostalih i naš fakultet.

- *Učešće Tehničkog fakulteta u Boru* na 58. Međunarodnom beogradskom sajmu knjiga

Fakultet je učestvovao I kao izlagač sa svojim izdanjima i na 58. Međunarodnom beogradskom sajmu knjiga u periodu od 20-27. oktobra 2013., koji je održan pod sloganom "Prostori slobode".