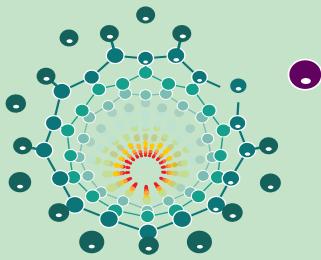


Univerzitet u Beogradu

**FAKULTET ZA
FIZICKU HEMIJU**

www.ffh.bg.ac.rs



IZVEŠTAJ O RADU FAKULTETA

za period šk. 2014/15 godina

Beograd, 2015

SADRŽAJ

1. IZVEŠTAJ O RADU UPRAVE ZA PERIOD ŠKOLSKA 2014/2015. GODINA	3
2. ORGANIZACIJA FAKULTETA	4
2.1. Uprava Fakulteta	4
2.2. Katedre Šef katedre	5
2.3. Biblioteka	5
2.4. Sekretarijat	5
2.5. Služba za finansijsko-materijalne poslove	6
2.6. Tehnička služba	6
3. STRUČNI ORGANI FAKULTETA. ZAPOSLENI NA FAKULTETU	6
3.1. Nastavno-naučno veće i Izborno veće	6
3.2. Zaposleni na Fakultetu	7
4. NASTAVA U PERIODU ŠK. 2014/2015. GODINA.....	9
4.1. Obaveze nastavnika i saradnika po predmetima	9
5. NAUČNA I STRUČNA AKTIVNOST ZA PERIOD ŠK. 2014/2015. GODINA	14

1. IZVEŠTAJ O RADU UPRAVE ZA PERIOD ŠKOLSKA 2014/2015. GODINA

1. Ključne fakultetske aktivnosti kao što su nastava i naučno-istraživački rad se obavljaju normalno. Da bi bile podignute na viši nivo neophodno je da država odvoji više novca po svim osnovama, ili da makar doznačuje iznose koji su planirani. Ovo se naročito odnosi na materijalne troškove. Takođe, značajan problem za oblast nučno-istrživačkog rada je i sporost, neaužurnost, a često i neupućenost JUP-a (Jedinice za upravljanje projektima). U domenu nabavke opreme i posebno materijalâ ova jedinica čak predstavlja kočnicu.
2. Finansijska pitanja - Fakultet je uredno i na vreme izvršavao sve svoje obaveze, uključujući i one za grejanje (prema *Beogradskim elektranama*), koje su obično predstavljale problem svih prethodnih godina.
3. Fakultet, u skladu sa svojim finansijskim mogućnostima, sređuje i adaptira prostorije. Posebno je važno istaći da je jedan deo novca (2 000 000 dinara) dobijen od Ministarstva za adaptaciju (dotrajalih) mokrih čvorova, što je obavljeno u toku letnjeg perioda. Takođe je, zajedno sa Fizičkim fakultetom, sređen i parking u dvorištu zgrade. Ipak, ostaje još značajan deo prostora koji bi trebalo dovesti u bolje stanje.
4. Sređena je serverska soba, raščišćena, okrećena i klimatizovana ugradnjom odgovarajućeg uređaja. Takođe, za potrebe informacionog sistema je dobijen jedan kvalitetan serverski računar (sa međunarodnog projekta), a iz sopstvenih sredstava je nabavljeni više neophodnih uređaja.
5. Sređen je »kavez«, raščišćen, okrećen i dat na upotrebu spremičicama.
6. Prva godina eksploatacije sistema toplotnih pumpi, koji je za blok C ugrađen u saradnji sa Hemijskim i Fizičkim fakultetom, pokazala je da je to bila veoma dobra investicija. Računi su znatno smanjeni, a sistem omogućuje ne samo grejanje hodnika već i njihovo hlađenje leti.
7. Zajedno sa Hemijskim i Fizičkim fakultetom urađena je zamena prozora duž stepeništâ prema Siminoj i prema Ulici braće Jugovića u bloku C. Korišćena su delimično sredstva dobijena za ove svrhe od Ministarstva (1 200 000 dinara). Zajedno sa drugima akcijama slične vrste, ovo doprinosi energetskoj efikasnosti zgrade.
8. Fakultet već niz godina ima problem naplate potraživanja od IOFH po osnovu računa za komunalne usluge. Dugovi su se gomilali, a Institut nije bio u stanju da ih alimentira, pa je Fakultet, polazeći od aktuelnog ugovora o korišćenju prostora koji ima sa IOFH, krajem 2013. godine pokrenuo potupak prinudne naplate. Tim postupkom su naplaćena sva potraživanja do momenta utuženja, uključujući i kamate. Međutim, problemi sa IOFH se nastavljaju jer on ne plaća novodospele račune uz primedbu da oni ne odgovaraju, po njima, realnom stanju, sa kojim su se, inače, saglasili navedenim ugovorom. Sada su među našim institucijama dva sudska spora s tim u vezi.
9. Producen je radni odnos za školsku 2015/2016. godinu sa tri redovna profesora koji su stekli uslove za odlazak u penziju.
10. Fakultet je, naročito kroz aktivnosti dekana, održavao veoma dobre odnose sa drugim fakultetima, sa Rektoratom, Ministarstvom, drugim univerzitetima, medijskim kućama, inostranim institucijama itd., sa uverenjem da je to važno za uspešno poslovanje i za predstavu koju drugi imaju o Fakultetu.
11. Nastava na Fakultetu je uspešno obavljana u skladu sa prethodno usvojenim kalendarom i rasporedima.

12. U školsku 2015/2016. godinu je upisano 80 studenata finansiranih iz budžeta i 20 samofinansirajućih studenata, i to u prvom upisnom roku, što predstavlja punu kvotu odobrenu od strane Vlade.
13. Usvojen je kalendar nastave za školsku 2015/2016. godinu.
14. Pripremljeni su i od strane Saveta Fakulteta usvojeni *finansijski plan i plan javni nabavki* za budžetsku 2015. godinu.
15. Izvršen je redovni godišnji popis imovine i novčanih sredstava za fiskalnu 2014. godinu.
16. Fakultet se prijavio na *Javni poziv za prikupljanje predloga projekata za revitalizaciju i razvoj istraživanja i obrazovanja u javnom sektoru*, raspisan od strane Ministarstva prosvete, nauke i tehnološkog razvoja, sa predlogom projekta „Formiranje naučno-obrazovnog centra za materijale za konverziju energije“.
17. Fakultet se, zajedno sa fakultetima bivšeg PMF-a, prijavio na *Javni poziv za prikupljanje predlogâ projekata za revitalizaciju i razvoj istraživanja i obrazovanja u javnom sektoru* Ministarstva prosvete, nauke i tehnološkog razvoja, sa predlogom dva projekta – zamena svih prozora na zgradi, te ugradnja topotnih pumpi za celu zgradu i zamena svih radijatora savremenim telima. To su projekti iz energetske efikasnosti.
18. Fakultet kontinuirano radi na popularizaciji kako studija fizičke hemije tako i nauke uopšte i naučnog mišljenja, kroz različite vidove. Aktivan je učesnik *Festivala nauke* svake godine, suorganizator je manifestacije *Noć istraživača* u Beogradu, koju svake godine finansira Evropska zajednica, učestvuje na lokalnim sajmovima obrazovanja i nauke, organizuje sopstvenu manifestaciju te vrste pod nazivom *Nauka oko nas*, koja prerasta u tradiciju itd. Ovakve aktivnosti donose Fakultetu veću prepoznatljivost u javnosti, kao i znatno bolju upisnost đaka na naš Fakultet.
19. Izrađen je i pripremljen za postavljanje novi sajt Fakulteta, koji je inoviran estetski i funkcionalno, u skladu s najnovijim standardima u ovoj oblasti, kao važna baza za informisanje, kako studenata o svim detaljima studija, tako i nastavnika, a posebno onih koji planiraju da se upišu na naš Fakultet. Nažalost, sajt nije postavljen iz nepoznatih razloga.

2. ORGANIZACIJA FAKULTETA

2.1. Uprava Fakulteta

Dekan:	dr Šćepan Miljanić, red. prof.
Prodekan za nauku i doktorske studije:	dr Ljiljana Damjanović, v. prof.
Prodekan za nastavu:	dr Miroslav Kuzmanović, v. prof.
Prodekan za informisanje i organizaciju	dr Biljana Šljukić Paunković, docent

Savet (23 člana)

Predstavnici Nastavno-naučnog veća Fakulteta (12 članova)

1. dr Ivanka Holclajtner-Antunović, redovni profesor, predsednik Saveta
2. dr Dragomir Stanisljević, redovni profesor
3. dr Radmila Hercigonja, vanredni profesor
4. dr Nikola Vukelić, vanredni profesor

5. dr Goradana Ćirić-Marjanović, vanredni profesor
6. dr Ljubiša Ignjatović, vanredni profesor
7. dr Igor Pašti, docent
8. dr Ana Popović-Bijelić, docent
9. dr Radomir Ranković, docent
10. dr Nemanja Gavrilov, asistent
11. dr Aleksandra Rakić, asistent
12. Aleksandar Jović, asistent

Predstavnici nenastavnog osoblja (3 člana):

1. Vuk Jovanović, tehnički saradnik
2. Jelena Čubrović-Bajrami, referent u Službi za finansijsko –materijalne poslove
3. Stanija Ćokić, spremaćica

Predstavnici studenata (4 člana):

1. Tanja Đokić, student
2. Tamara Petrović, student
3. Anka Jevremović, student
4. Sanela Kalinović, student

Predstavnici osnivača (4 člana)

1. dr Dragoljub Uskoković, naučni savetnik u penziji
2. dr Branislav Nikolić, redovni profesor u penziji
3. Dragan Tešić
4. dr Jagoš Purić, redovni profesor u penziji

2.2. Katedre

Šef katedre

Katedra za opštu fizičku hemiju:	dr Ivanka Holclajtner-Antunović, prof.
Katedra za spektrohemiju i fizičku hemiju plazme:	dr Jasmina Dimitrić-Marković, prof.
Katedra za elektrohemiju i hemijsku kinetiku:	dr Nikola Cvjetićanin, v.prof.
Katedra za radiohemiju i nuklearnu hemiju:	dr Goran Bačić, prof.
Katedra za dinamiku i strukturu materije:	dr Borivoje Adnađević, prof.

2.3. Biblioteka

Aleksandar Marčićev
Vesna Ristić

2.4. Sekretarijat

Slavica Marković
Kristian Boaru
Radovan Georgijević
Nevenka Radivojević
Ivana Višnić
Gabrijela Vojnić-Purčar
Danica Stosić

2.5. Služba za finansijsko-materijalne poslove

Dragica Prijović
Jelena Čubrović-Bajrami

2.6. Tehnička služba

Bojan Vitnik
Predrag Vitanović

3. STRUČNI ORGANI FAKULTETA. ZAPOSLENI NA FAKULTETU

3.1. Nastavno-naučno veće i Izborne veće

U ovoj školskoj godini je održano 10 redovnih sednica Nastavno-naučnog veća, kao i 10 redovnih sednica i 1 vanredna sednica Nastavno-naučnog veća.

Stalne komisije Nastavno-naučnog veća Fakulteta za fizičku hemiju, za mandatni period od tri školske godine

Komisija za studentska pitanja

- 1) dr Miroslav Kuzmanović, v.prof., prodekan za nastavu
- 2) dr Ljubiša Ignjatović, v.prof.
- 3) dr Radmila Hercigonja, vanr. prof.
- 4) dr Nikola Cvetićanin, v.prof.

Komisija za nastavu i udžbenike

- 1) dr Dragica Minić, prof.
- 2) dr Jelena Radić-Perić, prof.
- 3) dr Igor Pašti, docent

Komisija za obezbeđenje i unapređenje kvaliteta

- 1) dr Stanka Jerosimić, docent
- 2) dr Ana Popović-Bjelić, docent
- 3) Aleksandra Rakić, asistent,
- 4) Predstavnik studenata
(imenovan od strane Studentskog parlamenta)
- 5) Slavica Marković, pravnik

Komisija za biblioteku

- 1) dr Milena Petković, v. prof.
- 2) dr Radomir Ranković, docent
- 3) Nemanja Gavrilov, asistent

Komisija za doktorske studije

- 1) dr Ivanka Holclajtner-Antunović, prof., prodekan za nauku i doktorske studije
- 2) dr Goran Bačić, prof.
- 3) dr Dragomir Stanisljev, prof.
- 4) dr Ljiljana Damjanović, v.prof., prodekan za nauku i doktorske studije

Komisija za naučno-istraživački rad

- 1) dr Vera Dondur, prof., rukovodilac projekta
- 2) dr Gordana Ćirić-Marjanović, v. prof rukovodilac projekta
- 3) dr Ljiljana Damjanović, v.prof., prodekan za nauku i doktorske studije

Komisija za praćenje i unapređenje

Komisija za popularizaciju fizičke hemije

- 1) dr Šćepan Milajnić, prof., dekan
- 2) dr Ljubiša Ignjatović, v.prof
- 3) dr Ljiljana Damjanović, v.prof
- 4) dr Miloš Mojović, v. prof.
- 5) dr Igor Pašti, docent
- 6) dr Bojana Nedić-Vasiljević, asistent

kvaliteta nastave

- 1) dr Dragomir Stanisavljev, prof.
- 2) dr Miroslav Kuzmanović, v. prof.
prodekan za nastavu
- 3) dr Ljubiša Ignjatović, v. prof
- 4) dr Miroslav Ristić, docent
- 5) Predstavnik studenata
(imenovan od strane Studentskog parlamenta)

Predstavnici Fakulteta u organima Univerziteta

Senat Univerziteta:

dr Šćepan Miljanić, prof., dekan

*Stručno veće za hemiju,
fizičku hemiju i biohemiju:*

dr Vera Dondur, prof.
dr Borivoj Adnađević, prof.
dr Ivanka Holclajtner-Antunović, prof.

3.2. Zaposleni na Fakultetu

Redovni profesori

1. dr Goran Bačić
2. dr Vera Dondur
3. dr Šćepan Miljanić
4. dr Ivanka Holclajtner-Antunović
5. dr Borivoj Adnađević
6. dr Dragomir Stanisavljev
7. dr Nikola Cvjetićanin
8. dr Jasmina Dimitrić-Marković
9. dr Gordana Ćirić-Marjanović

Vanredni profesori

10. dr Radmila Hercigonja
11. dr Nikola Vukelić
12. dr Miroslav Kuzmanović
13. dr Ljubiša Ignjatović
14. dr Ljiljana Damjanović
15. dr Milena Petković
16. dr Miloš Mojović
17. dr Stanka Jerosimić

Docenti

18. dr Biljana Šljukić Paunković
19. dr Igor Pašti
20. dr Ivana Stojković Simatović
21. dr Mihajlo Etinski

- 22. dr Marko Daković
- 23. dr Ana Popović-Bijelić
- 24. dr Radomir Ranković
- 25. dr Miroslav Ristić

Asistenti

- 26. dr Nada Bošnjaković-Pavlović
- 27. dr Bojan Janković
- 28. dr Bojana Nedić-Vasiljević
- 29. dr Maja Milojević-Rakić
- 30. dr Nemanja Gavrilov
- 31. dr Aleksandra Rakić
- 32. mr Aleksandra Đerić
- 33. mr Dragan Ranković
- 34. mr Aleksandar Ignjatović
- 35. Aleksandar Jović
- 36. Aleksandra Pavićević
- 37. Branislav Stanković
- 38. Vladimir Marković
- 39. Milan Milovanović
- 40. Isidora Bačić, nastavnik engleskog jezika

Samostalni saradnici

- 41. dr Danica Bajuk-Bogdanović
- 42. mr Zoran Nedić

Viši tehnički saradnici

- 43. Ružica Đurić
- 44. Ljubinka Jeremić

Tehnički saradnici

- 45. Ana Bartolov
- 46. Marko Brašnjević
- 47. Dejan Vučković
- 48. Vuk Jovanović
- 49. Nevenka Popović

Biblioteka

- 50. Aleksandar Marčićev, bibliotekar
- 51. Vesna Ristić, knjižničar

Služba za pravno-administrativne poslove

- 52. Slavica Marković, pravni referent
- 53. Radovan Georgijević, referent za javne nabavke
- 54. Kristian Boaru, administrativni referent

Služba za studentske poslove

55. Gabrijela Vojnić-Purčar, rukovodilac službe
56. Danica Stošić, referent

Služba za finansijsko-materijalne poslove

57. Dragica Prijović, šef službe
58. Ivana Višnić, referent u kabinetu dekana
59. Jelena Čubrović-Bajrami, referent za finansijsko-materijalne poslove

Tehnička služba

60. Bojan Vitnik, sistem administrator i administrator mreže
61. Predrag Vitanović, domar-hauzmajstor

Služba za održavanje čistocene

62. Radmila Glišić, spremaćica
63. Mirjana Gašić, spremaćica
64. Milica Đokić, spremaćica
65. Stanija Đokić, spremaćica
66. Vesna Đurić, spremaćica
67. Tatjana Kostić, spremaćica

Zaposleni – Projekti Ministarstva prosvete, nauke i tehnološkog razvoja

68. dr Jelena Jovanović, naučni savetnik
69. Milica Vučković, istraživač-saradnik
70. Jelena Maksimović, istraživač-saradnik
71. Maja Milenković, istraživač-saradnik
72. Ljiljana Stojanović, istraživač-saradnik
73. Stevan Maćešić, istraživač-pripravnik
74. Milica Vasić, istraživač-pripravnik
75. Tatjana Đajić, istraživač-pripravnik
76. Itana Nuša Bubanja, istraživač-pripravnik
77. Ivan Stoševski, istraživač-pripravnik

4. NASTAVA U PERIODU ŠK. 2014/2015. GODINA

4.1. Obaveze nastavnika i saradnika po predmetima

Predavanja

Nastavnici

dr Vera Dondur, prof.

dr Ivanka Holclajtner-
-Antunović, prof.

dr Šćepan Miljanić, prof.

dr Borivoj Adnađević, prof.

Predmeti

Hemiska kinetika

Koloidi

Opšti kurs fizičke hemije I

Radiohemija i nuklearna hemija

Fizička hemija čvrstog stanja

dr Dragomir Stanisavljev, prof.	Koloidi
dr Nikola Cvjetićanin, prof.	Fizička hemija za biohemičare
dr Radomir Ranković, docent	Hemijska termodinamika
dr Jasmina Dimitrić-Marković, v.prof.	Uvod u laboratorijski rad
dr Radmila Hercigonja, v. prof.	Atomistika
dr Nikola Vukelić, v.prof.	Uvod u strukturu materije
dr Gordana Ćirić-Marjanović,v.prof. fakulteta	Molekulska spektrohemija
dr Miroslav Kuzmanović, v.prof.	Opšta fizička hemija za studente molekularne biologije
dr Ljiljana Damjanović, v.prof.	Matematičke metode u fizičkoj hemiji
dr Ljubiša Ignjatović, v.prof.	Praktikum iz matematike za fizikohemičare
dr Miloš Mojović, v.prof.	Fizička hemija 2 za studente Hemijskog fakulteta
dr Milena Petković, v.prof.	Fizička hemija makromolekula
dr Stanka Jerosimić, docent	Atomska spektrohemija
dr Biljana Šljukić Paunković, docent	Hromatografija i separacione metode
dr Igor Pašti, docent	Fizička hemija plazme
dr Mihajlo Etinski, docent	Fizičkohemijske metode analize
dr Ivana Stojković Simatović, docent	Fizička hemija 2 za studente Hemijskog fakulteta
dr Ana Popović-Bijelić, docent	Uvod u fizičku hemiju životne sredine
dr Miroslav Ristić, docent	Primena računara u fizičkoj hemiji
	Praktikum iz korišćenja računara
	Opšti kurs fizičke hemije II
	Fizička hemija fluida
	Kvantna hemija
	Fizička hemija 1 za studente Hemijskog fakulteta
	Forenzička fizička hemija
	Elektrohemija
	Statistička termodinamika
	Fizička hemija 1 za studente Hemijskog fakulteta
	Biofizička hemija 1
	Hromatografija i separacione metode

Vežbe

Asistenti

dr Nada Bošnjaković-Pavlović

dr Marko Daković

Predmeti

Fizička hemija za studente molekularne biologije
Fizičkohemijska analiza
Forenzička fizičkohemijska analiza

Hemijska termodinamika

Miroslav Ristić	Opšti kurs fizičke hemije 1 Opšti kurs fizičke hemije 2
dr Bojan Janković	Uvod u laboratorijski rad Fizička hemija za biohemičare Fizička hemija čvrstog stanja Fizička hemija 2
mr Aleksandra Đerić	Molekulska spektrohemija Fizička hemija čvrstog stanja Fizička hemija 1
mr Aleksandar Ignjatović	Radiohemija i nuklearna hemija Primena računara u fizičkoj hemiji Praktikum iz korišćenja računara
dr Aleksandra Rakić	Matematičke metode u fizičkoj hemiji Praktikum iz matematike za fizikohemičare Fizička hemija 2 Fizička hemija makromolekula
mr Dragan Ranković	Atomska spektrohemija Opšti kurs fizičke hemije 2 Hromatografija i separacijske metode
dr Nemanja Gavrilov	Elektrohemija Fizička hemija za biohemičare Uvod u Laboratorijski rad
Aleksandar Jović	Uvod u laboratorijski rad Koloidi Metode i metodologija fizičkohemijских istraživanja - master Hemisiska kinetika Hemisiska termodinamika
Milan Milovanović	Atomistika Kvantna hemija Fizička hemija fluida Instrumentalna analiza Uvod u strukturu materije
Branislav Stankovic	Statistička termodinamika Fizička hemija čvrstog stanja
Aleksandra Pavićević	Hemisiska termodinamika Biofizička hemija 1

Spisak diplomiranih studenata

00FFHOS

1. Radulović (Mirko) Dijana 1996/0087 2122014 08.10.2014.
2. Kujović (Milovan) Dragiša 1995/0009 2132014 08.10.2014.
3. Ratković (Obrad) Dragana 2001/0089 2142014 09.10.2014.
4. Kadijević (Svetlana) Rastko 2005/0069 2152014 09.10.2014.
5. Kostić (Mihailo) Marijana 2001/0027 2162014 15.10.2014.
6. Antanasijević (Zoran) Tanja 2003/0005 2182014 29.12.2014.
7. Saičić (Danilo) Biljana 1999/0088 2192014 29.12.2014.
8. Šorgić (Sretko) Saša 2005/0016 212015 16.01.2015.
9. Aničijević (Jovica) Vladan 2005/0008 232015 11.03.2015.
10. Janjić (Radosav) Marko 2005/0013 242015 27.03.2015.

06FFHOS

1. Rakić (Milovan) Tamara 2006/0048 3399600 10.11.2014.
2. Kovačević (Milojko) Ana 2006/0013 3399700 26.11.2014.

07FFHOS

1. Ognjanović (Radoslav) Miloš 2009/0027 3399300 15.10.2014.
2. Mitić (Ljubica) Marko 2010/0017 3399200 15.10.2014.
3. Marković (Radenko) Aleksandra 2010/0007 3399100 15.10.2014.
4. Vidoeški (Aleksandar) Bojan 2010/0004 3399400 28.10.2014.
5. Kojić (Verko) Marko 2010/0051 3399500 28.10.2014.
6. Pantić (Bratislav) Tijana 2009/0050 3733800 29.12.2014.
7. Nikolić (Goran) Nikola 2009/0056 3733700 27.02.2015.
8. Radusin (Tomislav) Božidar 2010/0044 4000000 08.05.2015.
9. Markićević (Dragan) Nevena 2009/0014 3999900 15.05.2015.
10. Nešović (Miomir) Milica 2007/0067 4108500 05.06.2015.
11. Golo (Nikola) Dušanka 2009/0026 4108400 05.06.2015.
12. Kocić (Srđan) Stefan 2011/0046 4214600 20.07.2015.
13. Marić (Milivoje) Tijana 2011/0090 4341100 11.09.2015.
14. Kalinović (Ljubiša) Sanelia 2011/0064 28.09.2015.
15. Nasradin (Petar) Nemanja 2011/0044 30.09.2015.
16. Ćirić (Vladan) Dragan 2011/0012 30.09.2015.

Spisak studenata koji stekli diplomu master fizikohemičar

06FFHMS

1. Bratić (Jovo) Milan 2013/0234 3398400 17.10.2014.
2. Bundža (Milena) Viktorija 2012/0224 3454000 22.10.2014.
3. Cvetanović (Ljubomir) Katarina 2013/0232 3398600 22.10.2014.
4. Miličić (Radomir) Ljiljana 2012/0238 3454100 24.10.2014.
5. Ješić (Dragan) Dragana 2013/0236 3398700 03.11.2014.
6. Bilaković (Milorad) Danica 2013/0241 3398800 25.11.2014.
7. Stojanović (Nenad) Nemanja 2013/0243 3552800 19.01.2015.
8. Mićić (Milić) Marijana 2013/0255 3552500 05.02.2015.
9. Tomašević (Dragan) Tijana 2011/0211 3682500 05.03.2015.
10. Periz (Jovo) Ruža 2013/0252 3733600 13.03.2015.
11. Popović (Nada) Dušan 2013/0257 4161500 16.06.2015.
12. Stojanović (Radovan) Sofija 2013/0256 4161600 08.07.2015.

07FFHMS

1. Novaković (Dragan) Jovana 2012/0235 3398300 09.10.2014.
2. Ignjatović (Branimir) Nada 2012/0214 3682400 29.01.2015.

13FFHMS

1. Obradović (Momčilo) Tatjana 2013/0226 3398200 03.10.2014.
2. Zdolšek (Nenad) Nikola 2013/0208 3398500 20.10.2014.
3. Babić (Vlado) Nikolina 2013/0214 3682300 29.12.2014.
4. Bartolić (Dragan) Dragana 2013/0247 3552300 29.12.2014.
5. Rajčić (Milorad) Boris 2013/0229 3552700 16.01.2015.
6. Tešić (Dobrivoje) Ivana 2013/0222 3552900 20.01.2015.
7. Grozdanić (Stevan) Marija 2013/0204 3733500 27.03.2015.
8. Joksimović (Dragiša) Ivana 2014/0210 4161300 27.05.2015.
9. Marković (Radenko) Aleksandra 2014/0207 4108200 29.05.2015.
10. Kalić (Ratka) Karolina 2014/0206 4108100 02.06.2015.
11. Uzelac (Duško) Biljana 2014/0202 4108300 10.06.2015.
12. Mitić (Ljubica) Marko 2014/0201 4161400 29.06.2015.
13. Kojić (Verko) Marko 2014/0225 4340900 29.06.2015.
14. Petrović (Boško) Danica 2013/0251 4341000 06.07.2015.
15. Brkić (Branko) Ivana 2013/0215 4214400 10.07.2015.
16. Jeftović (Blagoje) Zlatko 2014/0205 4340800 22.07.2015.
17. Radojičić (Dajana) Ana 2013/0231 4214500 24.07.2015.
18. Rakanović (Mira) Kristina 2013/0210 24.09.2015.
19. Momčilović (Nada) Dragica 2013/0228 25.09.2015.
20. Marković (Borivoje) Anja 2013/0218 25.09.2015.
21. Garaj (Andrej) Andrej 2014/0209 28.09.2015.
22. Mandić-Kovačević (Željko) Nebojša 2013/0213 30.09.2015.
23. Vidoeski (Aleksandar) Bojan 2014/0224 30.09.2015.
24. Jović (Milenko) Marijana 2014/0221 30.09.2015.

Spisak studenata koji su odbranili specijalistički rad

1. Stanković Nemanja 2013/408
2. Novaković Jelena 2012/406
3. Mirić Milena 2012/405
4. Mitić Milica 2012/411
5. Šćepanović Biljana 2012/403

Spisak studenata koji su odbranili doktorsku disertaciju

07ФФХДС

1. Pavlović (Dragomir) Aleksandar 2010/0308 4214000 03.10.2014.
2. Momčilović (Dragan) Miloš 2007/0302 4213900 10.10.2014.
3. Maćešić (Radovan) Stevan 2010/0317 4213400 05.12.2014.
4. Lukić (Jovan) Miodrag 2008/0321 4213300 29.12.2014.
5. Vasić Aničijević (Dragan) Dragana 2011/0310 4212400 16.01.2015.
6. Mićić (Mijodrag) Maja 2007/0317 4213800 23.01.2015.
7. Vranješ (Radovan) Mila 2009/0316 4212500 08.05.2015.
8. Milanović (Vojislav) Igor 2011/0312 4213500 10.07.2015.

Doktorske studije po starom

1. ANA (Vojislav) STANKOVIĆ iz Beograda, Republika Srbija, dana 03. oktobra 2014. godine odbranila doktorsku disertaciju pod naslovom: "Korelacija funkcionalnih i fizičko-hemijskih stojstava prahova ZnO dobijenih različitim metodama sinteze"
2. STEVAN (Nikola) BLAGOJEVIĆ iz Beograda, Republika Srbija, dana 10. oktobra 2015. godine odbranio doktorsku disertaciju pod naslovom: "Jednodimenzionalne mape kompleksnih i haotičnih oscilacija reakcije Bray-Liebhafsky"
3. ALEKSANDRE (Acika) RAKIĆ iz Beograda, Republika Srbija, dana 04. novembra 2014. godine odbranila doktorsku disertaciju pod naslovom: "Nanostrukture polianilina sintetisane oksidativnom polimerizacijom anilina u sistemima bez dodatka kiseline"
4. MILUTIN (Milorad) JEVREMOVIĆ iz Beograda, Republika Srbija, dana 05. novembra 2014. godine odbranio doktorsku disertaciju pod naslovom: "Fizičkohemijska karakterizacija polianilina sintetisanog u mikrotalasnem polju"
5. ZORICA (Zoran) BAROŠ iz Beograda, Republika Srbija, dana 12. decembra 2014. godine odbranila doktorsku disertaciju pod naslovom: "Kinetika izotermne nukleacije i rasta titan-okso-alkoksi klastera"
6. VLADISLAV (Aleksandar) RAC iz Beograda, Republika Srbija, dana 02. februara 2015. godine odbranio doktorsku disertaciju pod naslovom: "Adsorpzione i katalitičke sposobnosti mezoporoznih zeolita tipa MFI, BEA i FAU"
7. VLADIMIR (Emil) TANASKOVIĆ iz Beograda, Republika Srbija, dana 03. aprila 2015. godine odbranio doktorsku disertaciju pod naslovom: "Ispitivanje redukcije kiseonika na polikristalnoj platinскоj elektrodi u tečnim sistemima voda-aprotični rastvarač"
8. NEBOJŠA (Nikola) BEGOVIĆ iz Beograda, Republika Srbija, dana 01. juna 2015. godine odbranio doktorsku disertaciju pod naslovom: "Korelacija termohemijskih merenja i kvantnohemih izračunavanja termički indukovanih strukturnih transformacija polinuklearnih kompleksa [(en)(H₂O)₃Ni-(pyr)-Ni(H₂O₃)(en)]₄H₂O i [Cd(N-Boc-gly)₂(H₂O)₂]_n"

5. NAUČNA I STRUČNA AKTIVNOST ZA PERIOD ŠK. 2014/2015. GODINA

Udžbenik (R91)

1. S. Mentus, Lj. Damjanović, Fizičkohemijska analiza, Univerzitet u Beogradu -Fakultet za fizičku hemiju, Beograd, 2015. ISBN 978-86-82139-50-8.
2. G. Ćirić-Marjanović, Fizička hemija makromolekula, Fakultet za fizičku hemiju, Univerzitet u Beogradu, 2015, ISBN 978-86-82139-51-5.

Poglavlje u istaknutoj monografiji međunarodnog značaja M13

1. G. Ćirić-Marjanović, Progress in Polyaniline Composites with Transition Metal Oxides, Chapter 2 in Fundamentals of Conjugated Polymer Blends, Copolymers and Composites, Ed. P. Saini, Wiley-Scrivener, 2015, pp. 119–161, Print ISBN: 978-1-118-54949-0.

2. Bojan Ž. Janković, The Pyrolysis Behavior of Lignins: Contemporary Kinetics Overview. Chapter 13 in LIGNIN Structural Analysis, Applications in Biomaterials and Ecological Significance. Biochemistry Research Trends, pp. 329-374, NOVA Science Publishers, Inc. New York, Fachuang Lu, Editor, (2014) ISBN: 978-1-63117-465-0.
3. Bojan Ž. Janković, Marija M. Janković, Knetic Studies on Pyrolysis of Beech Wood Biomass. Chapter 5 in Energy Science and Technology, Multi Volume Set, Volume 7, Bioenergy, Eds. Ram Prasad, Sri Sivakumar, Umesh Chandra Sharma, J. N. Govil, pp. 102-123, Studium Press LLC, U.S.A. (2015) ISBN: 1-62699-068-9.
4. Bojan Ž. Janković, Application of Bayesian Statistics in Interpretation of Wood Pyrolysis Data under Isothermal Conditions. Pyrolytic Behavior of Cellulose. Chapter 16 in Cellulose and Cellulose Composites: Modification, Characterization and Applications, NOVA Science Publishers, Inc. New York, Ibrahim H. Mondal, Editor, (2015) ISBN: 978-1-63483-553-4 in publish.
5. César A.C. Sequeira, Biljana Šljukić, Milica Vujković, Ivana Stojković Simatović, Luis Amaral, Diogo M.F. Santos, Developments in secondary batteries, (Ch. 12) in FUEL CELLS AND BATTERIES (Vol. 10) of the Series ENERGY SCIENCE & TECHNOLOGY (12 VOL.), Volume Eds. U. C. Sharma, R. Prasad, S. Sivakumar, Executive Ed. J.N. Govil, Studium Press LLC, USA, 2015.ISBN of Series 1-62699-061-1, ISBN of Volume 1-62699-071-9

Radovi objavljeni u vrhunskim naučnim časopisima međunarodnog značaja M21

1. M. Momcilovic, M. Kuzmanovic, D. Rankovic, J. Ciganovic, M. Stoilkovic, J. Savovic, M. Trtica, "Optical emission studies of Cu plasma induced by IR TEA CO₂ laser pulses", Applied Spectroscopy (2015), (2015) vol. 69 419-429.
2. Perić, M., Jerosimić, S., Mitić, M., Milovanović, M. & Ranković, R. Underlying theory of a model for the Renner–Teller effect in tetra-atomic molecules: X₂Π_u electronic state of C₂H₂⁺, J. Chem. Phys. 142, 174306 (2015).
3. Milica M. Vasić, Pavla Roupcova, Nadežda Pizurova, Sanja Stevanović, Vladimir A. Blagojević, Tomaš Žak, Dragica Minić, Thermally induced structural transformations of Fe₄₀Ni₄₀P₁₄B₆ amorphous alloy, Metallurgical and Materials Transactions A, DOI: 10.1007/s11661-015-3226-4
4. Stevan Maćešić, Željko Čupić, Slobodan Anić, Ljiljana Kolar-Anić, AUTOCATALATOR AS THE SOURCE OF INSTABILITY IN THE COMPLEX NON-LINEAR NEUROENDOCRINE MODEL, International Journal of Non-Linear Mechanics 73, 25-30 (2015). doi 10.1007/s13738-014-0447-1. Izdavač: Pergamon, ISSN 0020-7462, <http://dx.doi.org/10.1016/j.ijnonlinmec.2014.11.008>
5. Stevan R. Maćešić, Željko D. Čupić, Slavica M. Blagojević, Nataša D. Pejić, Slobodan R. Anić and Ljiljana Z. Kolar-Anić, CURRENT RATES AND REACTION RATES IN THE STOICHIOMETRIC NETWORK ANALYSIS (SNA), Open Chem. (Central European Journal of Chemistry), 13 (2015) 591–599. Izdavač: Springer, ISSN 1895-1066, DOI: 10.1515/chem-2015-0077

6. S. N. Blagojević, Ž. Čupić, A. Ivanović-Šašić and Lj. Kolar-Anić, MIXED-MODE OSCILLATIONS AND CHAOS IN RETURN MAPS OF AN OSCILLATORY CHEMICAL REACTION, Russ. J. Phys. Chem. A, 13 (2015) 2349-2358. Izdavač: M A I K Nauka - Interperiodica, ISSN 0036-0244, DOI 10.1134/S0036024415130063
7. N. Đorđević, M. Q. Y. Tay, S. Muthaiah, R. Ganguly, D. Dimić, D. Vidović, "C-F Bond Activation by Transient Phosphonium Dications", Inorg. Chem., 2015, 54 (9), pp: 4180-4182, DOI: 10.1021/ic5031125.
8. C. Gurnani, N. Đorđević, S. Muthaiah, D. Dimić, R. Ganguly, M. Petković, D. Vidović, "Extending the chemistry of carbones: P-N bond cleavage via an S_N2'-like mechanism", Chem. Commun, 2015, 51, pp:10762-10764, DOI: 10.1039/C5CC03194J
9. D. Dimić, A. G.Mercader, E. A. Castro, "Chalcone derivatives cytotoxicity activity against MCF-7 human breast cancer cells QSAR study, Chemometrics and Intelligent Laboratory Systems, 2015, 146, pp: 378-384, DOI: 10.1016/j.chemlab.2015.06.011
10. D. Vidović, G. Ilić, R. Ganguly, M. Petković,Oxidation of a P-C bond under mild conditions, Chem. Eur. J. (2015) in press
11. Mihajlo Etinski, Milena Petković, Miroslav M. Ristić, and Christel M. Marian Electron–Vibrational Coupling and Fluorescence Spectra of Tetra-, Penta-, and Hexacoordinated Chlorophylls c1 and c2 J. Phys. Chem. B, 119 (32) (2015) 10156–10169
12. M. Vujković, M. Mitrić, S. Mentus, High-rate intercalation capability of NaTi₂(PO₄)₃/C, J. Power Sources, 288 (2015) 176-186. IF: 6.217 (2014)
13. B. Šljukić, M. Vujković, L. Amaral, D.M.F. Santos, R.P. Rocha, C.A.C. Sequeira, J.L. Figueiredo, Carbon-supported Mo₂C electrocatalysis for hydrogen evolution reaction, J. Mater. Chem. A. 2 (2015) 15505-15512. IF: 7.443 (2014).
14. M. Vujković, I. Pašti, Ivana Stojković Simatović, Biljana Šljukić, S. Mentus, The influence of intercalated ions on cyclic stability of V₂O₅/ grahite composite in aqueous electrolytic solutions: experimental and theoretical approach, Electrochim. Acta, 176 (2015) 130-140. IF: 4.504 (2014)
15. Bojan Janković, Milena Marinović-Cincović, Marija Janković, Isoconversional kinetic study and accurate determination of lifetime properties for thermal and thermo-oxidative degradation processes of Aronia melanocarpa. Innovative Food Science & Emerging Technologies, Online publication complete: 12-NOV-2015 ISSN: 1466-8564 Elsevier
16. DOI information: 10.1016/j.ifset.2015.10.016
17. Bojan Janković, The pyrolysis of coffee paper cup waste samples using non-isothermal thermo-analytical techniques. The use of combined kinetic and statistical analysis in the interpretation of mechanistic features of the process, Energy Conversion and Management, 85, 2014, 33-49.
18. Bojan Janković, Srećko Stopić, Jelena Bogović, Bernd Friedrich, Kinetic and thermodynamic investigations of non-isothermal decomposition process of a commercial silver nitrate in an argon atmosphere used as the precursors for ultrasonic spray pyrolysis

- (USP): The mechanistic approach, Chemical Engineering and Processing, 82, 2014, 71-87.
19. Bojan Janković , Milena Marinović-Cincović, Miroslav D. Dramićanin, Study of non-isothermal crystallization of Eu³⁺ doped Zn₂SiO₄ powders through the application of various macrokinetic models, Journal of Alloys and Compounds, 587, 2014, 398-414.
20. Bojan Janković, The pyrolysis process of wood biomass samples under isothermal experimental conditions—energy density considerations: application of the distributed apparent activation energy model with a mixture of distribution functions, Cellulose, 21, 2014, 2285-2314.
21. Bojan Janković, Isothermal thermo-analytical study and decomposition kinetics of non-activated and mechanically activated indium tin oxide (ITO) scrap powders treated by alkaline solution, Trans. Nonferrous Met. Soc. China, 25 (2015) 1657–1676.
22. Bojan Janković, Devolatilization kinetics of swine manure solid pyrolysis using deconvolution procedure. Determination of the bio-oil/liquid yields and char gasification, Fuel Processing Technology, 138 (2015) 1–13.
23. Bojan Janković, Estimation of the distribution of reactivity for powdered cellulose pyrolysis in isothermal experimental conditions using the Bayesian inference, Cellulose, 22 (2015) 2283-2303
24. Mudrinic Tihana M, Mojovic Zorica D, Milutinovic-Nikolic Aleksandra D, Bankovic Predrag T, Dojcinovic Biljana P, Vukelic Nikola S, Jovanovic Dusan M, “Beneficial effect of Ni in pillared bentonite based electrodes on the electrochemical oxidation of phenol”, Electrochimica Acta, (2014), vol. 144 br. , str. 92-99
25. Djukic Andjelka B, Kumric Ksenija, Vukelic Nikola, Dimitrijevic Milena, Bascarevic Zvezdana, Kurko Sandra, Matovic Ljiljana , „Simultaneous removal of Pb²⁺, Cu²⁺, Zn²⁺ and Cd²⁺ from highly acidic solutions using mechanochemically synthesized montmorillonite-kaolinite/TiO₂ composite“ Applied Clay Science, (2015), vol. 103 br. , str. 20-27
26. Djukic Andjelka B, Kumric Ksenija R, Vukelic Nikola S, Stojanovic Zoran S, Stojmenovic Marija D, Milosevic Sanja S, Matovic Ljiljana Lj, “Influence of ageing of milled clay and its composite with TiO₂ on the heavy metal adsorption characteristics“, Ceramics International, (2015), vol. 41 br. 3, str. 5129-5137
27. J. Krstić, M. Gabrovska, D. Lončarević, D. Nikolova, V. Radonjić, N. Vukelić, D.M. Jovanović, „Influence of Ni/SiO₂ activity on the reaction pathway in sunflower oil hydrogenation“, Chemical Engineering Research and Design, Volume 100, (2015), Pages 72–80
28. Ćujić, M., Dragović, S., Đorđević, M., Dragović, R., Gajić, B., Miljanić, Š., Radionuclides in the soil around the largest coal fired power plant in Serbia: radiological hazard, relationship with soil characteristics and spatial distribution. Environmental Science and Pollution Research 22 (2015) 10317-10330, DOI: 10.1007/s11356-014-3888-2.
-

29. Ivan Stoševski, Jelena Krstić, Nikola Vokić, Miljan Radosavljević, Zorica Kačarević Popović, Šćepan Miljanić, Improved Poly(vinyl alcohol) (PVA) based matrix as a potential solid electrolyte for electrochemical energy conversion devices, obtained by gamma irradiation, Energy 90 (2015) 595-604, doi:10.1016/j.energy.2015.07.096.
30. Milica Vujković, Zoran Nedić, Pavle Tančić, Obrad S. Aleksić, Maria Vesna Nikolić, Ubavka Mioč, Slavko Mentus, Electrochemical lithiation/delithiation kinetics and capacity
31. of phosphate tungsten bronze and its chemically pre-lithiated derivatives in aqueous solutions, J.Mater.Sci (2015) DOI 10.1007/s10853-015-9560-5
32. Morina F, Takahama U, Mojović M, Popović-Bijelić A, Veljović-Jovanović S. Formation of stable radicals in catechin/nitrous acid systems: Participation of dinitrosocatechin. Food Chem. 2016; 194:11116-11122. doi:10.1016/j.foodchem.2015.08.081. (IF=3.391)
33. Shafaat HS, Giese JJ, Pantazis DA, Roos K, Andersson CS, Popović-Bijelić A, Gräslund A, Siegbahn PE, Neese F, Lubitz W, Högbom M, Cox N. Electronic structural flexibility of heterobimetallic Mn/Fe cofactors: R2lox and R2c proteins. J Am Chem Soc. 2014; 136(38):13399-13409. (IF=12.113)
34. Lj. Damjanović, M. Gajić-Kvaščev, J. Đurđević, V. Andrić, M. Marić-Stojanović, T. Lazić, S. Nikolić, "The characterization of canvas painting by the Serbian artist Milo Milunović using X-Ray fluorescence, micro-Raman and FTIR Spectroscopy", Radiation Physics and Chemistry, 115 (2015) 135-142.
35. Milan Žižić, Tanja Dučić, Daniel Grolimund, Danica Bajuk-Bogdanović, Miroslav Nikolic, Marina Stanić, Strahinja Križak, Joanna Zakrzewska "X-RAY ABSORPTION NEAR-EDGE STRUCTURE MICRO-SPECTROSCOPY STUDY OF VANADIUM SPECIATION IN PHYCOMYCES BLAKESLEEEANUS MYCELIUM", Anal. Bioanal. Chem. Volume 407, Issue 24 (2015), Page 7487
36. M. Stojmenović, M. Žunić, J. Gulicovski, D. Bajuk-Bogdanović, I. Holclajtner-Antunović, V. Dodevski, S. Mentus, STRUCTURAL, MORPHOLOGICAL, AND ELECTRICAL PROPERTIES OF DOPED CERIA AS A SOLID ELECTROLYTE FOR INTERMEDIATE-TEMPERATURE SOLID OXIDE FUEL CELLS, J. Mater. Sci. 50 (2015) 3781
37. M. Stojmenović, S. Bošković, M. Žunić, B. Babić , B. Matović, D. Bajuk-Bogdanović, S. Mentus., STUDIES ON STRUCTURAL, MORPHOLOGICAL AND ELECTRICAL PROPERTIES OF $\text{Ce}_{1-x}\text{Er}_x\text{O}_{2-d}$ ($x = 0.05 - 0.20$) AS SOLID ELECTROLYTE FOR IT - SOFC, Materials Chemistry and Physics 153 (2015) 422
38. Diogo M.F. Santos, Tiago F.B. Gomes, Biljana Šljukić, Nuno Sousa, César A. C. Sequeira, Felipe M. L. Figueiredo, Perovskite cathodes for $\text{NaBH}_4/\text{H}_2\text{O}_2$ direct fuel cells, Electrochimica Acta 178 (2015) 163 – 170.
39. Biljana Šljukić, Milica Vujković, Luis Amaral, Diogo M. F. Santos, Raquel P. Rocha, César A. C. Sequeira and José Luis Figueiredo, Carbon-Supported Mo_2C Electrocatalysts

- for Hydrogen Evolution Reaction, *Journal of Materials Chemistry A* 3 (2015) 15505 – 15512.
40. David S.P. Cardoso, Luis Amarala, Diogo M. F. Santos, Biljana Šljukić, César A. C. Sequeira, Daniele Macciò and Adriana Saccone, Enhancement of Hydrogen Evolution in Alkaline Water Electrolysis by Using Nickel-Rare Earth Alloys, *International Journal of Hydrogen Energy* 40 (2015) 4295 – 4302.
41. Vasic-Anicijevic Dragana D,Nikolic Vladimir M,Marceta-Kaninski Milica P,Pasti Igor A (2015) Structure, chemisorption properties and electrocatalysis by Pd₃Au overlayers on tungsten carbide - A DFT study, *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, vol. 40, br. 18, str. 6085-6096 (Article)
42. Dobrota Ana S,Pasti Igor A,Skorodumova Natalia V (2015) Oxidized graphene as an electrode material for rechargeable metal-ion batteries - a DFT point of view, *ELECTROCHIMICA ACTA*, vol. 176, br. , str. 1092-1099 (Article)
43. Chanda Debabrata, Hnat Jaromir, Dobrota Ana S, Pasti Igor A, Paidar Martin, Bouzek Karel (2015) The effect of surface modification by reduced graphene oxide on the electrocatalytic activity of nickel towards the hydrogen evolution reaction, *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*, vol. 17, br. 40, str. 26864-26874 (Article)
44. Pasti Igor A,Baljozovic Milos R,Granda-Marulanda Laura P,Skorodumova Natalia V (2015) Bimetallic dimers adsorbed on a defect-free MgO(001) surface: bonding, structure and reactivity, *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*, vol. 17, br. 15, str. 9666-9679 (Article)
45. Stojmenovic Marija,Momcilovic Milan Z,Gavrilov Nemanja M,Pasti Igor A,Mentus Slavko V,Jokic Bojan M,Babic Biljana M (2015) Incorporation of Pt, Ru and Pt-Ru nanoparticles into ordered mesoporous carbons for efficient oxygen reduction reaction in alkaline media, *ELECTROCHIMICA ACTA*, vol. 153, br. , str. 130-139 (Article)
46. Cirić-Marjanović Gordana N,Pasti Igor A,Mentus Slavko V (2015) One-dimensional nitrogen-containing carbon nanostructures, *PROGRESS IN MATERIALS SCIENCE*, vol. 69, br. , str. 61-182 (Review)
47. Lezaic-Janosevic Aleksandra, Pasti Igor A,Vukomanovic Marija,Cirić-Marjanović Gordana N (2014) Polyaniline tannate - Synthesis, characterization and electrochemical assessment of superoxide anion radical scavenging activity, *ELECTROCHIMICA ACTA*, vol. 142, br. , str. 92-100 (Article)
48. A. Rakić, M.Vukomanović, S.Trifunović, J. Travas-Sejdic, O. Javed Chaudhary, J. Horský, G. Ćirić-Marjanović, Solvent effects on dopant-free pH-falling polymerization of aniline, *Synthetic Metals* 209 (2015) 279-296.
49. D. J. Jovanović, I. M. Dugandžić, G. Ćirić-Marjanović, T. Radetić, S. P. Ahrenkiel, O. B. Milošević, J. M. Nedeljković, Z. V. Šaponjić, L. T. Mancic, Spherical assemblies of titania nanotubes generated through aerosol processing, *Ceramics International* 41 (2015) 14754-14759.

50. M. B. Radoičić, M.V. Milošević, D. S. Miličević, E. H. Suljovrujić, G. N. Ćirić-Marjanović, M. M. Radetić, Z. V. Šaponjić, Influence of TiO₂ nanoparticles on formation mechanism of PANI/TiO₂ nanocomposite coating on PET fabric and its structural and electrical properties, *Surface and Coatings Technology* 278, (2015) 38-47.
 51. Ivanka Holclajtner-Antunović, Danica Bajuk-Bogdanović, Alexandru Popa, Bojana Nedić Vasiljević, Jugoslav Krstić, Slavko Mentus, Snežana Uskoković-Marković, "Structural, morphological and catalytic characterisation of neutral Ag salt of 12-tungstophosphoric acid: influence of preparation conditions", *Appl.Surf. Sci.*, 328 (2015) 466-474.
 52. Ivanka Holclajtner-Antunović, Danica Bajuk-Bogdanović, Alexandru Popa, Viorel Sasca, Bojana Nedić-Vasiljević, Aleksandra Rakić, Snežana Uskoković-Marković, Preparation, characterization and catalytic activity of mesoporous Ag₂HPW12O₄₀/SBA-15 and Ag₂HPW12O₄₀/TiO₂ composites, *Materials Chemistry and Physics* 2015, 160:359-368
 53. Jovana Prekodravac, Zoran Marković, Svetlana Jovanović, Milica Budimir, Davor Peruško, Ivanka Holclajtner-Antunovic, Vladimir Pavlovic, Zois Syrgiannis, Aurelio Bonasera, Biljana Todorovic-Markovic, The effect of annealing temperature and time on synthesis of graphene thin films by rapid thermal annealing, *Synthetic Metals* 209 (2015) 461–467
 54. Jelena J. Dragišić Maksimović, Branka D. Živanović, Vuk M. Maksimović, Miloš D. Mojović, Miroslav T. Nikolić, Željko B. Vučinić, Filter strip as a method of choice for apoplastic fluid extraction from maize roots. *Plant Science* 49–58, 223 (2014).
 55. Aleksandra A. Pavićević, Ana D. Popović-Bijelić, Miloš D. Mojović, Snežana V. Šušnjar and Goran G. Bačić, Binding of Doxyl Stearic Spin Labels to Human Serum Albumin: An EPR Study. *J. Phys. Chem. B* 10898–10905, 118 (2014).
 56. Jasmina M. Dimitrić Marković, Dejan Milenković, Dragan Amić, Miloš Mojović, Igor Pašti and Zoran S. Marković, The preferred radical scavenging mechanisms of fisetin and baicalein towards oxygen-centred radicals in polar protic and polar aprotic solvents, *Dalton Transactions*, 32228-32236, 4 (2014).
 57. Felix Bacher, Orsolya Dömötör, Maria Kaltenbrunner, Miloš Mojović, Ana Popović-Bijelić, Astrid Gräslund, Andrew Ozarowski, Lana Filipovic, Sinisa Radulović, Éva A. Enyedy, and Vladimir B. Arion, Effects of Terminal Dimethylation and Metal Coordination of Proline-2-formylpyridine Thiosemicarbazone Hybrids on Lipophilicity, Antiproliferative Activity, and hR2 RNR Inhibition, *Inorg. Chem.* 12595–12609, 53 (2014).
 58. Jelena Dragišić Maksimović, Milena Poledica, Dragosav Mutavdžić, Miloš Mojović, Dragan Radivojević, Jasminka Milivojević, Variation in Nutritional Quality and Chemical Composition of Fresh Strawberry Fruit: Combined Effect of Cultivar and Storage, *Plant Foods Hum Nutr* 77–84, 70 (2015).
 59. T. Mudrinić, Z. Mojović, A. Milutinović-Nikolić, M. Mojović, M. Žunić, N. Vukelić, D. Jovanović, Electrochemical activity of iron in acid treated bentonite and influence of added nickel, *Applied Surface Science* 1037–1045, 353 (2015).
-

60. Aleksandar G. Savic, Roberto Guidetti, Ana Turi, Aleksandra Pavicevic, Ilaria Giovannini, Lorena Rebecchi and Milos Mojovic, Superoxide Anion Radical Production in the Tardigrade *Paramacrobiotus richtersi*, the First Electron Paramagnetic Resonance Spin-Trapping Study, Physiological and Biochemical Zoology: Ecological and Evolutionary Approaches 451-454, 88 No. 4 (2015).
61. M. Pešić, A. Podolski-Renić, S. Stojković, B. Matović, D. Zmejkoski, V. Kojić, G. Bogdanović, A. Pavićević, M. Mojović, A. Savić, I. Milenković, A. Kalauzi, K. Radotić Anti-cancer effects of cerium oxide nanoparticles and its intracellular redox activity, Chem. Biol. Interact. 232 (2015) 85–93. doi:10.1016/j.cbi.2015.03.013.
62. A.G. Savic, R. Guidetti, A. Turi, A. Pavicevic, I. Giovannini, L. Rebecchi, M. Mojovic, Superoxide Anion Radical Production in the Tardigrade *Paramacrobiotus richtersi*, the First Electron Paramagnetic Resonance Spin-Trapping Study, Physiol. Biochem. Zool. 88 (2015) 451–454. doi:10.1086/681031.
63. N. Potkonjak, J. Jovanović, B. Stankovic, S. Ostojić, B. Adnadjević, Comparative Analyses on Isothermal Kinetics of Water Evaporation and Hydrogel Dehydration by a Novel Nucleation Kinetics Model, CHEMICAL ENGINEERING RESEARCH AND DESIGN 100 323–330 (2015)

Radovi objavljeni u vodećim naučnim časopisima međunarodnog značaja M22

1. V. M . Marković, Ž. Čupić, S. Maćešić, A. Stanojević, V. Vukojević, Lj. Kolar-Anić. Modelling cholesterol effects on the dynamics of the hypothalamic–pituitary–adrenal (HPA) axis, Mathematical Medicine and Biology, (2014) doi:10.1093/imammb/dqu020.
2. D.Rankovic, J.Savovic, M.Kuzmanovic, M.Stoiljkovic, “Properties of argon-nitrogen atmospheric pressure DC arc plasma”, Plasma Chemistry and Plasma Processing, (2015), vol. 35 1071-1095.
3. Milica M. Vasić, Vladimir A. Blagojević, Nebojša N. Begović, Tomáš Žák, Vladimir B. Pavlović, Dragica M. Minić, Thermally induced crystallization of amorphous Fe₄₀Ni₄₀P₁₄B₆ alloy, Thermochimica Acta 614 (2015) 129-136
4. Jelena D. Zdravković, Dejan Poleti, Jelena Rogan, Nebojša N. Begović, Vladimir A. Blagojević, Milica M. Vasić, Dragica M. Minić, Thermal stability and degradation of binuclear hexaaqua-bis(ethylenediamine)-(μ₂-pyromellitato)dinickel(II) tetrahydrate, Journal of Thermal Analysis and Calorimetry, DOI: 10.1007/s10973-015-5007-0
5. D. Dimić, M. Petković, „Control of a Photoswitching Chelator by Metal Ions: DFT, NBO, and QTAIM Analysis“, Internatioal journal of Quantum Chemistry, 2015, DOI:10.1002/qua.25018
6. Bojan Janković, Kinetic modeling of native *Cassava* starch thermo-oxidative degradation using Weibull and Weibull-derived models, Biopolymers, 101, 2014, 41-57.
7. Bojan Janković, Srećko Stopić, Aybars Güven, Bernd Friedrich, Kinetic Analysis of Isothermal Decomposition Process of Zinc Leach Residue in an Inert Atmosphere: The

- Estimation of the Apparent Activation Energy Distribution, Mineral Processing and Extractive Metallurgy Review, 35, 2014, 239-256.
8. Bojan Janković, Srećko Stopić, Aybars Güven, Bernd Friedrich, Kinetic modeling of thermal decomposition of zinc ferrite from neutral leach residues based on stochastic geometric model. Journal of Magnetism and Magnetic Materials, 358-359, 2014, 105-118.
 9. Bojan Ž. Janković, Marija M. Janković, Thermal characterization and isothermal kinetic analysis of commercial Creosote decomposition process, Journal of Thermal Analysis and Calorimetry, 115, 2014, 823-832
 10. Bojan Janković, Željko Čupić, Dušan Jovanović, Non-isothermal reduction of silica-supported nickel catalyst precursors in hydrogen atmosphere: a kinetic study and statistical interpretation. Journal of the Iranian Chemical Society, 11 (2014) 1743-1758.
 11. Bojan Ž. Janković, Marija M. Janković, Pyrolysis of pine and beech wood under isothermal conditions: The conventional kinetic approach, Research on Chemical Intermediates, 41 (2015) 2201-2219.
 12. Bojan Janković, Milena Marinović-Cincović, Miroslav Dramičanin, Kinetic study of isothermal crystallization process of $\text{Gd}_2\text{Ti}_2\text{O}_7$ pre-cursor's powder prepared through the Pechini synthetic approach, Journal of Physics and Chemistry of Solids, 85 (2015) 160–172
 13. Bojan Janković, On-line pyrolysis kinetics of swine manure solid samples collected from rearing farm Pyrolytic behavior in dynamic heating mode, J. Therm. Anal. Calorim., (2015) DOI 10.1007/s10973-015-4717-7
 14. Igor A. Pašti, Nemanja M. Gavrilov, Ana S. Dobrota, Milan Momčilović, Marija Stojmenović, Angel Topalov, Dalibor M. Stanković, Biljana Babić, Gordana Ćirić-Marjanović, Slavko V. Mentus, “The Effects of a Low-Level Boron, Phosphorus, and Nitrogen Doping on the Oxygen Reduction Activity of Ordered Mesoporous Carbons”, Electrocatalysis, 6 (2015) 498-511
 15. Bolić B, Mijušković A, Popović-Bijelić A, Nikolić-Kokić A, Spasić S, Blagojević D, Spasić MB, Spasojević I. Reactions of superoxide dismutases with HS(-)/H₂S and superoxide radical anion: An in vitro EPR study. Nitric Oxide. 2015; 51:19-23. doi: 10.1016/j.niox.2015.09.008. (IF=3.521)
 16. Dimitrić-Marković Jasmina M, Milenković Dejan A, Amic Dragan, Popović-Bijelić Ana D, Mojković Milos D, Pasti Igor A, Marković Zoran S (2014) Energy requirements of the reactions of kaempferol and selected radical species in different media: towards the prediction of the possible radical scavenging mechanisms, STRUCTURAL CHEMISTRY, vol. 25, br. 6, str. 1795-1804 (Article)
 17. D. Bajuk-Bogdanović, S. Uskoković- Marković, I. Holclajtner-Antunović, Vibration Spectroscopy Stability Investigation of 12-Tungstosilicic Acid Solution, J Iran Soc, 12 (2015) 137-145
-

18. Okic-Djordjevic Ivana, Trivanovic Drenka, Jovanovic Milos, Ignjatovic Marija, Secegov Bojana Lj, Mojovic Milos D, Bugarski Diana S, Bacic Goran G, Andjus Pavle R, Increased survival after irradiation followed by regeneration of bone marrow stromal cells with a novel thiol-based radioprotector. *Croat. Med. J.* 45-49, 55 (2014).
19. Pejin Boris, Savic Aleksandar G, Petkovic Milena M, Radotic Ksenija, Mojovic Milos, In vitro anti-hydroxyl radical activity of the fructooligosaccharides 1-kestose and nystose using spectroscopic and computational approaches, *Int. J. Food Sci. Tech.*, 1500-1505, 49 (2014).
20. Pejin Boris, Savic Aleksandar G, Kien-Thai Yong, Mojović Miloš, Further in vitro evaluation of antiradical activity of the moss Rhodobryum ontariense tea using EPR and fluorescence spectroscopy, *Cryptogamie Bryol.*, 173-179, 35 (2014).

Radovi objavljeni u međunarodnim naučnim časopisima M23

1. Jelena M. Goronja¹, Aleksandra M. Janošević Ležaić, Biljana M. Dimitrijević, Andelija M. Malenović, Dragomir R. Stanislavlev, Nataša D. Pejić, Determination of critical micelle concentration of cetyltrimethylammonium bromide: different procedures for analysis of experimental data, *Hem. Ind.* ISSN:0367-598X (2015) DOI:10.2298/HEMIND150622055G
2. M. Momcilovic, J. Ciganovic, D. Rankovic, U. Jovanovic, M. Stoilkovic, J. Savovic, M. Trtica, "Analytical capability of plasma induced by IR TEA CO₂ laser pulses on copper based alloys", *J. Serb. Chem. Soc.*, doi:10.2298/JSC150416061M. (2015).
3. Nebojša Begović, Milica M. Vasić, Ana Grković, Vladimir A. Blagojević, Dragica M. Minić, Isokinetic parameters of thermal degradation of powder of [Cd(N-Boc-gly)₂(H₂O)₂]_n, *Science of Sintering*, 46 (2014) 323-330
4. Mirjana Vojnovic, Miroslav Popovic, Miroslav M. Ristic, Miloš D. Vicic, Goran B. Poparic, Rate coefficients for electron impact excitation of N₂ *Chem. Phys.* 463 (2015) 38–46
5. R. Hercigonja, V. Rakić, Enthalpy-entropy Compensation for n-hexane Adsorption on Y Zeolite Containing Transition Metal Cations, *Science of Sintering*, 47 (2015) 83-88.
6. R. Hercigonja, V. Rac, V. Rakić and A. Auroux, Effect of transition metal cations on the commensurate freezing of n-hexane confined in micropores of ZSM-5, *J. Serb. Chem. Soc.* 80 (10) (2015) 1297–1309.
7. Ana Amić, Zoran Marković, Jasmina M. Dimitrić Marković, Bono Lučić, Višnja Stepanić, Dragan Amić; The 2H+/2e⁻ free radical scavenging mechanisms of uric acid: thermodynamics of NAH bond cleavage, *Computational and Theoretical Chemistry*, 2015 (<http://dx.doi.org/10.1016/j.comptc.2015.09.003>)
8. Zoran Marković, Svetlana Jeremić, Jasmina Dimitrić Marković, Marijana Stanojević Pirković, Dragan Amić; Influence of structural characteristics of substituents on the antioxidant activity of some anthraquinone derivatives *Computational and Theoretical Chemistry*, 2015 (doi:10.1016/j.comptc.2015.10.004)

9. Samolov Aleksandra D, Dragovic Snezana D, Dakovic Marko Z, Bacic Goran G (2014) Neural Networks in Analysing Cs-137 Behaviour in the Air in the Belgrade Area, NUCLEAR TECHNOLOGY & RADIATION PROTECTION, vol. 29, br. 3, str. 226-232 (IF 0,561)
10. Ristić, Aleksandar J., Marko Daković, Michael Kerr, Maša Kovačević, Aleksandra Parožić, and Dragoslav Sokić. "Cortical Thickness, Surface Area and Folding in Patients with Psychogenic Nonepileptic Seizures." Epilepsy Research 112 (May 2015): 84–91. (IF 2,015)
11. Bojan Janković, Srećko Stopić Bernd Friedrich Kinetic–Statistical Approach in a Detailed Study of the Mechanism of Thermal Decomposition of Zinc–Iron Intermetallic Phase, Trans. Indian. Inst. Met., 67(5), 2014, 629-650.
12. Bojan Janković, Željko Čupić, Dušan Jovanović, Miroslav Stanković, Kinetic Analysis of Non-Isothermal Reduction of Silica-Supported Nickel Catalyst Precursors in a Hydrogen Atmosphere, Chemical Engineering Communications, (2015) DOI:10.1080/00986445.2014.983268
13. A.D. Pavlović, Lj.M. Ignjatović, S.Z Popov, A. R. Mladenović, I.N. Stanković, „Application of gas chromatography analysis to quality control of residual organic solvents in clopidogrel bisulphate“, J. Serb. Chem. Soc., 79(10) (2014) 1279-1293.
14. A. Mihajlidi-Zelić, D. Đorđević, D. Relić, I. Tošić, Lj. Ignjatović, M.A. Stortini, A. Gambaro, „Water-soluble inorganic ions in urban aerosols of the continental part of Balkans (Belgrade) during the summer – autumn period (2008)“, Open Chem. (Cent. Eur. J. Chem. ISSN 1895-1066), 13 (2015) 245-256.
15. I.D. Sredović Ignjatović, A. E. Onjia, Lj.M. Ignjatović, Ž.N. Todorović, Lj.V. Rajaković, „Experimental Design Optimization of the Determination of Total Halogens in Coal by Combustion–Ion Chromatography, Analytical Letters, 48 (2015) 2597–2612.
16. A.M. Tasić, I.D. Sredović Ignjatović, Lj.M. Ignjatović, I.B. Andđelković, M.P. Antić, Lj.V. Rajaković, „Investigation of different extraction procedures for the determination of major and trace elements in coal by ICP-AES and ion chromatography“, J. Serb. Chem. Soc., (2015) doi:10.2298/JSC150429078T
17. Marija Ilić, Franz-Hubert Haegel, Vesna Pavelkić, Dragan Zlatanović, Snežana Nikolić-Mandić, Aleksandar Lolić, Zoran Nedić, The influence of alkyl polyglucosides (and highly ethoxylated alcohol boosters) on the phase behavior of a water/toluene/technical alkyl polyethoxylate microemulsion system, Chemical Industry and Chemical Engineering Quarterly, 2015, DOI:10.2298/CICEQ141105015I
18. Lj. Damjanović, U. Mioč, D. Bajuk-Bogdanović, N. Cerović, M. Marić-Stojanović, V. Andrić, I. Holclajtner-Antunović, "Archaeometric investigation of medieval pottery from excavations at Novo Brdo", Archaeometry, (2015), doi: 10.1111/arcm.12185

19. S. Stojanović, M. Gajić-Kvaščev, Lj. Damjanović, "Spektroskopsko ispitivanje ikone slikane na drvenom nosiocu", Hemijska Industrija, (2014) doi:10.2298/HEMIND140430053S IF 0,364 (121/134)
 20. Lj. Damjanović, O. Marjanović, M. Marić-Stojanović, V. Andrić, U.B. Mioč, "Spectroscopic investigation of icons painted on canvas", J. Serb. Chem. Soc. 80(6) (2015) 805-817.
 21. Pasti Igor A,Baljozovic Milos R,Skorodumova Natalia V (2015) Adsorption of nonmetallic elements on defect-free MgO(001) surface - DFT study, SURFACE SCIENCE, vol. 632, br. , str. 39-49 (Article)
 22. Pasti Igor A,Skorodumova Natalia V,Mentus Slavko V (2015) Theoretical studies in catalysis and electrocatalysis: from fundamental knowledge to catalyst design, REACTION KINETICS MECHANISMS AND CATALYSIS, vol. 115, br. 1, str. 5-32 (Article)
 23. Alexandru Popa, Viorel Sasca, Orsina Verdes, Ivanka Holclajtner-Antunović, Adsorption–desorption and catalytic properties of SBA- 15 supported cesium salts of 12-molybdophosphoric acid for the dehydration of ethanol, Reac Kinet Mech Cat, DOI 10.1007/s11144-015-0832-5
 24. Alexandru Popa, Viorel Sasca, Danica Bajuk-Bogdanovic, Ivanka Holclajtner-Antunovic, Acidic nickel salts of Keggin type heteropolyacids supported on SBA-15 mesoporous silica, J Porous Mater, DOI 10.1007/s10934-015-0072-0
 25. Pejin Boris, Savic Aleksandar G, Sokovic Marina D, Glamoclija Jasmina M, Ciric Ana D, Nikolic Milos MN, Radotic Ksenija, Mojović Miloš, Further in vitro evaluation of antiradical and antimicrobial activities of phytol, Nat. Prod. Res., 372-376, 28 (2014).
 26. Boris Pejin, Djura Nakarada, Miroslav Novakovic, Vele Tesevic, Aleksandar Savic, Ksenija Radotic and Milos Mojovic, Antioxidant volatiles of the freshwater bryozoan *Hyalinella punctata*, Nat. Prod. Res., 1471–1475, 28 (2014).
 27. Boris Pejin, Aleksandar G. Savic, Aleksandar Hegedis, Ivo Karaman, Mladen Horvatovic and Milos Mojovic. A bryozoan species may offer novel antioxidants with anti-carbon-dioxide anion radical activity. Nat. Prod. Res., 2057-2060, 28 (2014).
 28. Boris Pejin, Milos Mojovic and Aleksandar G. Savic. Novel and highly potent antitumour natural products from cnidarians of marine origin. Nat. Prod. Res., 2237–2244, 28 (2014).
 29. Nevena Puač, Maja Miletić, Miloš Mojović, Ana Popović-Bijelić, Dragana Vuković, Biljana Miličić, Dejan Maletić, Saša Lazović, Gordana Malović, Zoran Lj. Petrović, Sterilization of bacteria suspensions and identification of radicals deposited during plasma treatment. Open Chem., 1–7, 13 (2015).
 30. Tatjana Djajic, Jelena Jovanovic, Biljana Potkonjak, Borivoj Adnadjevic, The Kinetics of Isothermal Nicotinamide Release From Poly(acrylic-co-methacrylic acid) Loaded Xerogel, POLYMER ENGINEERING AND SCIENCE 55(1) 60-68 (2015) ISSN: 0032-3888, Wiley IF (2014) =1,52
-

31. Jovanovic, Jelena; Potkonjak, Biljana; Adnadjevic, Tanja; Adnadjevic, Borivoj, The effects of microwave heating on the kinetics of isothermal dehydration of equilibrium swollen poly(acrylic-co-methacrylic acid) hydroge, POLYMER ENGINEERING AND SCIENCE DOI 10.1002/pen (2015) ISSN: 0032-3888, Wiley IF (2014) =1,52

Radovi objavljeni u međunarodnim naučnim časopisima verifikovanim posebnim odlukama M24

1. Lj. M. Ignjatović, A.M. Tasić, I.D. Sredović Ignjatović, A.B. Nastasović, „Investigation of phenol adsorption on macroporous polymeric adsorbents“, Zaštita materijala, 56(2), (2015) 199-205.

Radovi objavljeni u vodećim naučnim časopisima nacionalnog značaja M51

1. Bojan Ž. Janković, Marija M. Janković, Evaluations of the apparent activation energy distribution function for the non-isothermal reduction of nickel oxide nano-powders, Military Technical Courier, No. 1, 62 (2014) 167-193. Editor: N. Gaćeša, ISSN 0042-8469, Ministry of Defense of the Republic of Serbia, University of Defense in Belgrade, 2014.
2. Bojan Ž. Janković, Kinetic study of the crystallization process of the α -Fe phase in the amorphous $Fe_{81}B_{13}Si_4C_2$ alloy, Military Technical Courier, No. 2, 62 (2014) 56-73. Editor: N. Gaćeša, ISSN 0042-8469, Ministry of Defense of the Republic of Serbia, University of Defense in Belgrade, 2014.
3. I. Stoševski, J. Krstić, N. Vokić, Z. Kačarević Popović, Š. Miljanić. Radiolitička sinteza i karakterizacija provodnih polimernih membrana za alkalne gorivne ćelije, na bazi PVA i hitozana. Tehnika 23(2014)2.

Radovi objavljeni u naučnim časopisima M53

1. Nada Bošnjaković-Pavlović, Snežana Stojković, Nataša Perković-Vukčević , Snežana Đorđević, , "Statistical overview of benzodiazepine poisonings in Serbian posion control centre in the period from 2009-2013", Medical data , vol. 7(2015) str. 107-110

Radovi saopšteni na naučnom skupu međunarodnog značaja štampani u celini M33

1. A. Stanojević, Ž. Čupić, Lj. Kolar-Anić, V. Vukojević, Mathematical modelling of ethanol effects on the dynamics of the hypothalamic-pituitary-adrenal (HPA) system, The 5th International Congress of Serbian Society of Mechanics, Arandjelovac, Serbia, Proceedings, (2015) M3a (four pages).
2. Stevan Mačešić, Ana Stanojević, Ljiljana Kolar Anić, Željko Čupić Naziv rada: Condition for appearance of Andronov-Hopf and saddle-node bifurcations in the model of neuroendorine system with five variables Naziv zbornika: The 5th International Congress of Serbian Society of Mechanics Od datuma: 15. 6.2015. Do datuma:

17.6.2015. Država: Srbija ISSN/ISBN: 978-86-7892-715-7 Izdavač: Serbian Society of Mechanics and Faculty of Technical Sciences Novi Sad Godina: 2015. Strane: Četiri strane (nenumerisano; oznaka rada u zborniku je M2e)

3. Ana Amić, Bono Lučić, Višnja Stepanić, Zoran Marković, Svetlana Marković, Jasmina Dimitrić Marković and Dragan Amić, Free radical scavenging potency of quercetin's catecholic colonic metabolites: A DFT study, 27th International Course and Conference on the Interfaces among Mathematics, Chemistry and Computer Sciences (Math/Chem/Comp, MC2-27), June 12–19, 2015, Dubrovnik, Croatia
4. Lj.M. Ignjatović, I. Sredović Ignjatović, „Ion-chromatographic determination of ions in biodiesel, bioethanol and biogas“, IV International Congress: Engineering, Environment and Materials in processing industry“, March 4-6, 2015, Jahorina, Bosnia and Herzegovina, Book of Abstracts, p. 1155-1160.
5. Lj.M. Ignjatović, A. Tasić, S. Petković, I. Sredović Ignjatović, „The adsorption of phenol by macroporous polymeric adsorbents“, IV International Congress: Engineering, Environment and Materials in processing industry“, March 4-6, 2015, Jahorina, Bosnia and Herzegovina, Book of Abstracts, p. 1178-1186.
6. B. Adnadjevic, M. Gigov, J. Jovanovic, A. Stanojevic, “EFFECTS OF ULTRASONIC AND MICROWAVE FIELDS ON ISOTHERMAL KINETICS OF FULEROL FORMATION“, The 5th International Congress of Serbian Society of Mechanics, Arandjelovac, Serbia, (2015) , 15-17 june 2015, Proceedings M3B (4 pages). ISBN: 978-86-7892-715-7 Izdavač: Serbian Society of Mechanics and Faculty of Technical Sciences Novi Sad

Radovi saopšteni na naučnom skupu međunarodnog značaja štampani u izvodu M34

1. A. Stanojević, S. Maćešić, Ž. Čupić, V. M. Marković, V. Vukojević, Lj. KolarAnić, Modelling perturbations of the hypothalamic-pituitary-adrenal axis with cholesterol pulses in the form of a normal distribution, International WE-Heraeus Physics School on "Model systems for understanding biological processes", Bad Honnef, Germany, (2015) P27 (one page).
2. A. Stanojević, N. Pejić, Lj. Kolar-Anić, S. Anić, D. Stanisljev, Ž. Čupić, Determination of paracetamol in pharmaceuticals by pulse perturbation of the Bray-Liebhafsky oscillatory reaction, Thirteenth Young Researchers' Conference – Materials Sciences and Engeneering, Belgrade, Serbia, The Book of Abstracts, (2014) p. 23.
3. A. Stanojević, Lj. KolarAnić, Ž. Čupić, V. M. Marković, V. Vukojević, Mathematical modelling of the influence of distribution of cholesterol concentration on the perturbations of hypothalamic-pituitary-adrenal axis, 3rd Congress of physiological sciences of Serbia with international participation - Molecular, Cellular and Integrative Basis of Health and Disease: Transdisciplinary Approach, Serbian Physiological Society, Belgrade, Serbia, Abstract Book, (2014) p. 192.
4. J. Savovic, M. Stoiljkovic, M. Kuzmanovic, M. Momcilovic, J. Ciganovic., D. Rankovic., M. Trtica, “The prospective of pulsed nanosecond TEA CO₂ based LIBS for exploration

- on Mars”, European Winter Conference on Plasma Spectrochemistry, 22-26. February, Munster, Germany, 2015.
5. Jerosimic, M. Milovanovic, Iron monocyanide (FeCN): an ab initio investigation of vibronic and spin-orbit effects in low-lying electronic states, Our astrochemical history CM1401, Book of abstracts, First general meeting in Prague, May 25-29, 2015.
 6. Milica M. Vasić, Vladimir A. Blagojević, Dragica M. Minić, Thermally induced structural transformations of $\text{Fe}_{40}\text{Ni}_{40}\text{P}_{14}\text{B}_6$ amorphous alloy, 13th young researchers’ conference - materials science and engineering, December 10-12, 2014, Belgrade, Serbia, p.26
 7. M. Čebela, R. Hercigonja, M. Omerašević, S. Ilić, M. Mirković, M. Prekajski, B. Matović, Magnetic and Electrical Properties of Single Phase Multiferroic BiFeO_3 , 3rd Conference of the Serbian Society for Ceramic Materials , Belgrade, Serbia 2015., Book of Abstract P-37, ISBN 978-86-80109-19-0
 8. M. Čebela, R. Hercigonja, M. Prekajski, M. Mirković, J. Pantić, J. Luković, B. Matović, BiFeO_3 Ceramics: Processing, optical and magnetic properties, The 4th International Conference on the Physics of Optical Materials and Devices, Budva, Crna Gora, 2015.
 9. M. Čebela, R. Hercigonja, S. Ilić, M. Mirković, J. Pantić, J. Luković, B. Matović, Synthesis, optical and magnetic properties studies of multiferroic BiFeO_3 , 11th Conference for Young Sciences in Ceramics ESR Workshop, COST IC1208, Novi Sad, Serbia, 2015.
 10. Stevan Maćešić, Ana Stanojević, Željko Čupić, Ljiljana KolarAnić Naziv rada: Deriving conditions for appereance of Andronov-Hopf and saddle-node bifurcations in the model of the hypothalamic-pituitary-adrenal axis Naziv zbornika: International WE-Heraeus Physics School on "Model systems for understanding biological processes" Od datuma: 22.2.2015. Do datuma: 27.2.2015. Država: Nemačka ISSN/ISBN: nema Izdavač: Wilhelm und Else Heraeus-Stiftung Godina: 2015. Strane: Jedna strana (nenumerisano; oznaka rada u zborniku je P18)
 11. S. Eugénio, D. S.P. Cardoso, D.M.F. Santos, B. Šljukić, M.F. Montemor, “Nanostructured 3D Cu-M (M=Ni,Co,Fe) foams for H₂O₂ electroreduction” E-MRS Fall Meeting, Symposium C: Hydrogen storage in solids: materials, systems and application trends, Warsaw, 14-18 September 2015.
 12. B. Šljukić, D.M.F. Santos, M. Martins, C.A.C. Sequeira, D. Macciò, A. Saccone, Platinum-dysprosium alloys for oxygen reduction in alkaline media, 227th ECS Meeting, May 24 – 28 2015, Chicago, Illinois, USA.
 13. B. Šljukić, M. Martins, D.M.F. Santos, L. Amaral, N. Sousa, C.A.C. Sequeira, F. M Figueiredo, Perovskite oxides electrodes for alkaline oxygen evolution reaction, 227th ECS Meeting, May 24 – 28 2015, Chicago, Illinois, USA.
 14. D.M.F. Santos, D. Cardoso, B. Sljukic, C.A.C. Sequeiraa, D. Macciò, A. Saccone, H₂O₂ Electroreduction at Platinum-Rare Earth (RE = Ce, Sm, Dy, Ho) Cathodes of Direct Borohydride Fuel Cells, 227th ECS Meeting, May 24 – 28 2015, Chicago, Illinois, USA.
-

15. Dijana Jelić, Bojan Janković, Thermal analysis of ambroxol in Flavamed tablets. 3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry CEEC-TAC3, Book of Abstracts, 25-28. August 2015., p. 360, Ljubljana, Slovenia, ISBN: 978-3-940237-34-7.
16. Milena Marinović-Cincović, Bojan Janković, Bojana Miličević, Miroslav Dramicanin, Non-isothermal crystallization process of Eu₃₊ doped Zn₂SiO₄ powders. The 4th International Conference on the Physics of optical materials and devices, ICOM 2015., Book of Abstracts, Eds. Miroslav Dramicanin, Bruno Viana, Rachid Mahiou, publisher Institute of Nuclear Sciences Vinča, Belgrade, 31. August-4. September 2015., Budva, Montenegro, p. 222, ISBN: 978-86-7306-134-4.
17. M. Marić-Stojanović, Lj. Damjanović, I. Holclajtner-Antunović, V. Andrić, M. Gajić-Kvaščev, J. Mutić, D. Milovanović, R. Jančić-Hajneman, Ž. Šmit, "Archaeometry – Science in Culture", The second scientific symposium with international participation - Theory and Practice of Science in Society: Challenges and Perspectives, Belgrade, Serbia, November 6-7th, 2014. Book of abstracts, p. 73.
18. A. Dobrota, I. Pašti, "Modification of electronic and chemical properties of graphene by oxygen-containing functional groups – First principles study". Thirteenth Young Researchers' Conference – Materials Sciences and Engineering: Program and the Book of Abstracts, Institute of Technical Sciences of SASA, Belgrade, Serbia (2014) 22.
19. S. Luginbühl, M. Milojević-Rakić, K. Junker, D. Bajuk-Bogdanović, I. Pašti, R. Kissner, G. Ćirić-Marjanović, P. Walde, Influence of vesicles on the horseradish peroxidase-catalyzed oligomerization of the aniline dimer, *p*-aminodiphenylamine, Annual Meeting of the Division of Polymers, Colloids and Interfaces of the Swiss Chemical Society - PolyColl 2015, July 3, 2015, Fribourg, Switzerland.
20. Ana Popović-Bijelić, Miloš Mojović, Stefan Stamenković, Danijela Bataveljić, Pavle Anduš, Goran Bačić, Endogenous iron in rats having amyotrophic lateral sclerosis. An EPR study. Book of abstracts at International Conference "Magnetic Resonance: Fundamental Research and Pioneering Applications" June 23-27, Kazan, Russia ISBN 978-5-00019-221-4. (2014) 27.
21. Miloš Mojović, Ana Popović-Bijelić, Aleksandra Pavićević, Stefan Stamenković, Miloš Jovanović, Pavle Anduš, Goran Bačić, How to use aminoxy radicals to examine BBB permeability in als rats. In vivo EPR study. Book of abstracts at Third SSMFRP-2015 Congress, Redox Medicine, Reactive Species Signaling, Analytical Methods, Phytopharmacy, Molecular Mechanisms of Disease, ISBN: 978-86-912893-3-1 (2015) 17.
22. Stefan Stamenković, Miloš Mojović, Vesna Selaković, Aleksandra Pavićević, Ana Popović-Bijelić, Lidija Radenović, Goran Bačić, Pavle R. Anduš, Ex vivo and in vivo studies of the brain oxidative status in the rat model of amyotrophic lateral sclerosis, Book of abstracts at Third SSMFRP-2015 Congress, Redox Medicine, Reactive Species Signaling, Analytical Methods, Phytopharmacy, Molecular Mechanisms of Disease, ISBN: 978-86-912893-3-1 (2015) 88.

23. Ivana Petrešević, Boris Pejin, Đura Nakarada, Neda Đorđević, Vele Tešević, Miloš Mojović, Jasmina Dimitrić Marković, The correlation between total polyphenolic content and anti-dpph radical activity of selected Vranac red wine samples. Book of abstracts at Third SSMFRP-2015 Congress, Redox Medicine, Reactive Species Signaling, Analytical Methods, Phytopharmacy, Molecular Mechanisms of Disease, ISBN: 978-86-912893-3-1 (2015) 45.
24. Milica Lazović, Boris Pejin, Miloš Mojović, The marine sesquiterpenoid hydroquinone avarol does exhibit moderate anti-ascorbyl radical activity. Book of abstracts at Third SSMFRP-2015 Congress, Redox Medicine, Reactive Species Signaling, Analytical Methods, Phytopharmacy, Molecular Mechanisms of Disease, ISBN: 978-86-912893-3-1 (2015) 74.
25. Novaković, L., Živković, S., Popović-Bijelić, A., Mišić, D., Mojović, M. (2015): Application of Tempo EPR spin probe for in vivo detection of salt-induced oxidative stress in Centaurium erythraea Rafn. 2st International Conference on Plant Biology (21st Symposium of the Serbian Plant Physiology Society) & COST Action FA1106 Qualityfruit Workshop, Petnica, Serbia, Book of Abstracts, 178.
26. Jelena Jovanović, Nataša Lazarević, Jovanka Djurić, Borivoj Adnađević, KINETICS OF COBALT-60 ADSORPTION REMOVAL FROM LIQUID RADIOACTIVE WASTE USING A POLY(ACRYLIC ACID) HYDROGEL, Third International Conference on Radiation and Application in Various Fields of Reserch June 8-12, 2015, Slovenska Plaza, Budva, Montenegro (2015) . ISBN: 978-86-80300-01-6 RAD Association, Niš, Serbia
27. Jelena. Jovanovic, Branislav Stankovic, Borivoj Adnadjevic, Influence of Microwave Heating on the Kinetics of Isothermal Dehydration of Equilibrium Swollen PAAG Hydrogel, CEEC-TAC3 3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry (2015) August 2015 – Ljubljana, Slovenia. Proceedings , p191, ISBN: 978-3-940237-34-7 Central and Eastern European Conference on Thermal Analysis and Calorimetry
28. Borivoj Adnadjevic, Mihajlo Gigov, Jelena Jovanovic, Non-isothermal Kinetics of Fulerol Dehydroxylation, CEEC-TAC3 3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry (2015) , 25-28 August 2015 – Ljubljana, Slovenia, Proceedings, p.192 ISBN: 978-3-940237-34-7Central and Eastern European Conference on Thermal Analysis and Calorimetry

Radovi saopšteni povodom predavanja po pozivu sa skupa nacionalnog značaja M61

1. M. Vujković, Comparison of sodium and lithium intercalation materials, J. Serb. Chem. Soc. 79(0), 1-6 (2014). IF:0.871 (2014)

Predavanje po pozivu sa skupa nacionalnog značja štampano u izvodu M62

1. Lj. Damjanović, "Primena metoda fizičkohemejske analize u očuvanju kulturnog nasleđa", LANTERNA 2014 – I nacionalni naučni skup – nuklearne i druge analitičke

tehnike u izučavanju kulturnog nasleđa – zaštita baštine između prirodnih i društvenih naučnih oblasti, Galerija Matice srpske, Novi Sad, 03. novembar 2014.

Radovi saopšteni na naučnom skupu nacionalnog značaja štampani u celini M63

1. Bojan Janković, Marija Janković, Milica Rajačić, Aronija – termalne i radioaktivne karakteristike. XXVIII Simpozijum Društva za Zaštitu od Zračenja Srbije i Crne Gore, Zbornik radova, Vršac, 30.9.-2.10.2015. ISBN 978-86-7306-135-1, 2015, 81-87.

Radovi saopšteni na naučnom skupu nacionalnog značaja štampani u izvodu M64

1. D.Dimić, M. Petković, „Investigation of the influence of solvent molecules on the electronic transitions of the molecular switch HAPI“, Treća konferencija Mladih hemičara Srbije, Beograd, 28.10.2014., Book of Abstract, p.: 91.
2. Dondur V, Marinković-Nedučin R, Stanković S, Jović A, Zašto su Srbiji potrebne doktorskse škole? – mogući modeli, XXI Skup TRENDYOVI RAZVOJA: “UNIVERZITET U PROMENAMA”, Univerzitet u Novom Sadu, Zlatibor, februar, 2015
3. Aleksandar D. Krstić, Aleksandar Đ. Lolić, Marija A. Ilić, Aleksandar M. Mijatović, Snežana J. Zlatanović, Zoran P. Nedić, Vesna M. Pavelkić, Određivanje sadržaja kiselih funkcionalnih grupa na površini biougljeva primenom Boehm-ovih titracija, AH P552. SAVETOVANJE SRPSKOG HEMIJSKOG DRUSTVA, Novi Sad, 29. i 30. Maj 2015.g. Srbija.
4. B.Adnađević, M.Gigov, S. Petković, J. Jovanović, "Hydrodynamic cavitation method for removal of phenol from wastewaters", 7. Simpozijum-Hemija i zaštita životne sredine, sa međunarodnim učešćem, Palić, 09 - 12. jun, 2015, Knjiga izvoda, pp 309. ISBN: 978-3-940237-34-7 Srpsko hemijsko drustvo
5. S. Petković, M. Gigov, B.Adnađević, J. Jovanović, "Kinetika adsorpcionog odstranjivanja fenola iz otpadnih voda", 7. Simpozijum-Hemija i zaštita životne sredine, sa međunarodnim učešćem, Palić, 09 - 12. jun, 2015, Knjiga izvoda, pp 391-392. ISBN: 978-3-940237-34-7 Srpsko hemijsko drustvo
6. B.Adnađević, J.Jovanović, M.Gigov, "Mikrotalasna katalitička depolimerizacija otpadnog polietilena u motorno gorivo", 7. Simpozijum-Hemija i zaštita životne sredine, sa međunarodnim učešćem, Palić, 09 - 12. jun, 2015, Knjiga izvoda, pp.312-313. ISBN: 978-3-940237-34-7 Srpsko hemijsko drustvo

Praktikum (R92)

1. Nedić Vasiljević, Bojana; Milojević-Rakić, Maja; Jović, Aleksandar; „Praktikum i zadaci iz Hemijske kinetike“; Univerzitet u Beogradu - Fakultet za fizičku hemiju, Beograd, 2015. ISBN 978-86-82139-56-0

Međunarodni naučni projekti

1. FP7-ICT Project "CORTICONIC - Computations and Organization of Retes Through the Interaction of Computational, Optical and Neurophysiological Investigations of the Cerebral Cortex" (project reference: 600806)
2. Međunarodni projekat "DURAPEM-Novel Materilas for Durable Proton Exchange Membrane Fuel Cells, NATO-Science for Peace and Security SPS) Programme, ostvarenog između Slovenije i Republike Srbije, koji je odobren od 11.05.2015-11.05.2018.
3. SCIMFONICOM 2014-15 (Science in Motion for Friday Night Commotion 2014-15), Project reference: 633376, H2020-MSCA-NIGHT-2014
4. SCOPES (Scientific cooperation between eastern Europe and Switzerland) – Project No IZ73ZO_152457 “Conducting polymers synthesized by enzymatic polymerization”, financed by the Swiss National Science Foundation (SNSF) and the Swiss Agency for Development and Co-operation (SDC), May 2014–May 2017. Main applicant prof. Dr Peter Walde, ETH Zurich - Swiss Federal Institute of Technology, Switzerland, co-applicant (partner) iz Srbije prof. Dr Gordana Ćirić-Marjanović.
5. Danube States R&D network project “New materials and devices based on conducting polymers and their composites” (POLYCON for Danubian network–Stage 2), funded by the German Federal Ministry of Education and Research Septembar, trajanje 1. septembar 2015-31. januar 2016, koordinator prof. V. Mirsky, rukovodilac tima iz Srbije prof. dr G. Ćirić-Marjanović
6. "Catalysis by metal cluster supported by complex oxide substrates". Institucije uključene u projekat: KTH, Royal Institute of Technology, Stockholm i Univerzitet u Beogradu - Fakultet za fizičku hemiju. (koordinator sa srpske strane) Igor Pašti.
7. Fizičkohemijska karakterizacija heteropoli jedinjenja (Physicochemical Characterisation of Heteropoly Compounds), Institut za Neorgansku Hemiju Rumunske Akademije Nauka, Temišvar, Rumunija I Fakultet za Fizičku Hemiju, Univerzitet u Beogradu, Beograd, Srbija, 2013-2015.

COST akcije:

8. CMST COST Action CM1304 "Emergence and Evolution of Complex Chemical Systems"
9. BM1203 (EU-ROS) – MC Miloš Mojović
10. BM1402 (Raman-based applications for clinical diagnostics (Raman4clinics) – MC Marko Daković, MC zamenik Miloš Mojović, MC zamenik Ana Popović-Bijelić
11. COST Action BM1401 Raman-Based Applications For Clinical Diagnostics (Raman4clinics), 2014–2018, zamenik člana Menadžment komiteta, Ana Popović-Bijelić
12. COST Action CM1305 Explicit Control Over Spin-states in Technology and Biochemistry (ECOSTBio), 2014–2018, član radne grupe 2, Ana Popović-Bijelić

Nacionalni naučni projekti

1. Projekat br. 172015 Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije „Dinamika nelinearnih fizičkohemijskih i biohemijskih sistema sa modeliranjem i predviđanjem njihovih ponašanja pod neravnotežnim uslovima“, čiji je rukovodilac prof. dr Ljiljana Kolar-Anić
2. Projekat br. 172040, „Struktura i dinamika molekulskih sistema u osnovnim i pobuđenim elektronskim stanjima“, čiji je rukovodilac dr Mihajlo Etinski.
3. Projekat br. OI 172043, »Elektroprovodni i redoks-aktivni polimeri i oligomeri: sinteza, struktura, svojstva i primena«, finansiranog od strane Ministarstva za nauku i tehnološki razvoj Republike Srbije, za period 01. 01.2011.–31.12. 2015. god, rukovodilac prof. dr G. Ćirić-Marjanović
4. "Porozni materijali na bazi oksida u zaštiti životne sredine od genotoksičnih supstanci", MNTR OI 172018, Fakultet za fizičku hemiju, Univerzitet u Beogradu, 2011-2015.
5. "Procesi urbanizacije i razvoja srednjevekovnog društva", MNTR OI 177021, Arheološki institut, 2011-2015.
6. Projekt 172030 "Primena unapređenih oksidacionih procesa i nanostrukturisanih oksidnih materijala za uklanjanje zagađivača iz životne sredine, razvoj i optimizacija instrumentalnih tehnika za praćenje efikasnosti", MNTR RS, 2011-2015.
7. Litijum-jon baterije i gorivne ćelije – Istraživanje i razvoj, Ministarstvo za nauku i tehnološki razvoj Republike Srbije, 2011-2015;
8. Projekat III 41005 Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije, Biomerkeri u neurodegenerativnim i malignim procesima, rukovidolac prof. dr Pavle Anduš.

Članstvo u naučnim odborima naučnih skupova

1. Član Naučnog odbora internacionalne konferencije "Dinamički sistemi -teorija i primena" ("Dynamical Systems – Theory and Applications" (DSTA 2015)), 7-10 Decembar 2015, Lodz, University of Technology, Poland. Ljiljana Kolar-Anić.
2. Simpozijum Hemija i zaštita životne sredine sa međunarodnim učešćem Palić, Srbija, 09 - 12. jun 2015. Ljubiša Ignjatović.
3. Član Međunarodnog naučnog komiteta - International Scientific Committee, 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry – Physical Chemistry 2014. Šćepan Miljanić.
4. 1st WORKSHOP on MATERIALS SCIENCE FOR ENERGY RELATED APPLICATIONS, organized by KTH Royal Institute of Technology Stockholm, Sweden and The Society of Physical Chemists of Serbia – Physical Chemistry 2014. Šćepan Miljanić.

5. Organizacija WG5 sastanka COST akcije EU-ROS (BM1203) u Beogradu 16-17. Mart 2015. Miloš Mojović

Uređivanje međunarodnog naučnog časopisa

1. Područni urednik za fizičku hemiju za časopis Journal of the Serbian Chemical Society, Ljiljana Damjanović
2. Specijalna sveska : "Effects of Hydrogels Chemistry and Functionality on Swelling and Dehydration" Casopisa International Journal of Polymer Science, Izdavac : Hundawi. Rok za predaju radova: 29 januar 2016; zavrsene recenzije: april 22, 2016, planirano publikovanje : jun 17, 2016. Borivoj Adnađević

Patenti

1. M Vujković, I Stojković, N. Cvjetićanin, S. Mentus, Kompozit $\text{LiFe}_{0.95}\text{V}_{0.05}\text{PO}_4/\text{C}$ kao elektrodni materijal za sekundarne litijum-jonske baterije sa vodenim elektrolitičkim rastvorom, Prihvaćen patent 2012/0243.

Nagrade

1. Nagrada Privredne Komore Beograda za pronalazak "Elektrokatalitički superkondenzator na bazi ugljeničnih nanočestica sa vodenim elektrolitičkim rastvorom" ostvaren u 2013/2014 godini, dobitnici nagrade autori patenta N. Gavrilov, M. Vujković, I. Pašti, G. Ćirić-Marjanović i S. Mentus.
2. Specijalno priznanje Srpskog hemijskog društva za izuzetan uspeh u toku studija na Fakultetu za fizičku hemiju Univerziteta u Beogradu (3. decembar 2014. godine), Ana Dobrota.