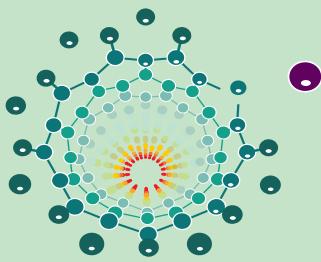


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**IZVEŠTAJ O
NAUČNOISTRAŽIVAČKOM
RADU FAKULTETA**

za period 2011-16 godina

Beograd, 2016

SADRŽAJ

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Praktikum (R92)

1. M Ristić, I Pašti, I Cekić-Lasković, Praktikum iz opšteg kursa fizičke hemije, Fakultet za fizičku hemiju, Beograd 2013

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Međunarodni naučni projekti

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3. Bilateralni projekat "Oksidi prelaznih metala kao elektrodnii materijali za litijum jonske baterije" koji je odobren za period 2013-2015 u okviru programa bilateralne naučne i tehnološke saradnje između Republike Srbije i Republike Portugal

4. Međunarodni projekat bilateralne saradnje Srbija - Francuska u okviru programa Pavle Savić. Naziv projekta: "Razvoj teorijskih metodologija za procenu antioksidativne aktivnosti polifenola: put ka primenama u realnom životu" (institucije uključene u projekat:

Odsek za bio-hemiske i medicinske nauke - Državni Univerzitet u Novom Pazaru; Fakultet za fizičku hemiju Univerziteta u Beogradu; University of Limoges, Francuska) (period trajanja: 1.1.2014. - 31.12.2015.).

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6. SCOPES (Scientific cooperation between Eastern Europe and Switzerland - projekt broj IZ73ZO_152457 "Conducting polymers synthesized by enzymatic polymerization", finansiran od strane Swiss National Science Foundation (SNSF) and the Swiss Agency for Development and Co-operation (SDC). Rukovodilac iz Srbije: Prof. Dr Gordana Ćirić-Marjanović

7. FP7 JTI FCH-JU project "EURECA" [303024], coordinator za Srbiju: Dr Milica Marčeta Kaninski, INN Vinča

8. COST Action MP1003 European Scientific Network for Artificial Muscles (dec. 2010 – dec. 2014), član Menadžment Komiteta iz Srbije i rukovodilac domaćeg istraživačkog tima G. Ćirić-Marjanović www.esnam.eu.

9. Danube States R&D network project: New materials and devices based on conducting polymers and their composites, finansiran od strane Nemačkog Ministarstva prosvete i istraživanja (01.10.2013. –30.9.2014), rukovodilac tima iz Srbije G. Ćirić-Marjanović

Nacionalni naučni projekti

1. Projekat OI 172015 „Dinamika nelinearnih fizičkohemijskih i biohemijskih sistema sa modeliranjem i predviđanjem njihovih ponašanja pod neravnotežnim uslovima“, Fakultet za fizičku hemiju, rukovodilac prof. dr Ljiljana Kolar-Anić

2. Projekat OI 172018 „Porozni materijali na bazi oksida u zaštiti životne sredine od genotoksičnih supstanci“, Fakultet za fizičku hemiju, rukovodilac prof. dr Vera Dondur

3. Projekat OI 172019 „Efekti dejstva laserskog zračenja i plazme na savremene materijale pri njihovoj sintezi, modifikaciji i analizi“, Institut za nuklearne nauke Vinča

4. Projekat OI 172030 „Primena unapređenih oksidacionih procesa i nanostrukturisanih oksidnih materijala za uklanjanje zagadivača iz životne sredine, razvoj i optimizacija instrumentalnih tehnika za praćenje efikasnosti“, Hemijski fakultet

5. Projekat OI 172040, „Struktura i dinamika molekulskih sistema u osnovnim i pobuđenim elektronskim stanjima“, Fakultet za fizičku hemiju, rukovodilac dr Mihajlo Etinski

6. Projekat OI 172043. „Elektroprovodni i redoks-aktivni polimeri i oligomeri: sinteza, struktura, svojstva i primena“, Fakultet za fizičku hemiju, rukovodilac prof. dr Gordana Ćirić-Marjanović

7. Projekat OI 177021 „Procesi urbanizacije i razvoja srednjevekovnog društva“, Arheološki institut

8. Projekat III 41005 “Biomerkeri u neurodegenerativnim i malignim procesima”, Biološki fakultet

9. Projekat III 45014 „Litijum-jon baterije i gorivne ćelije – Istraživanje i razvoj“, Fakultet za fizičku hemiju, prof. dr Slavko Mentus

10. Projekat III 45001 „Nanostrukturalni funkcionalni materijali u katalitičkim i sorpcionim procesima“, Institut za hemiju, tehnologiju i metalurgiju

Članstvo u naučnim odborima naučnih skupova

1. Član naučnog i organizacionog odbora konferencije Young Researchers' Conference-Materials Science and Engineering, Gordana Ćirić-Marjanović.
2. Član organizacionog odbora i urednik knjige abstrakata za 1st Workshop on Materials Science for Energy Related Applications, Beograd 26-27. septembar 2014, propratni događaj konferencije Physical Chemistry 2014, Igor Pašti.
3. Member of International Scientific Committee of 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, September 22-26, 2014, Ljiljana Kolar-Anić.
4. Član organizacionog odbora za 1st Workshop on Materials Science for Energy Related Applications, Beograd 26-27. septembar 2014, propratni događaj konferencije Physical Chemistry 2014, Nemanja Gavrilov.
5. International Scientific Committee, PHYSICAL CHEMISTRY 2014, 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Šćepan Miljanić.

Uređivanje međunarodnog naučnog časopisa

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2. Gost – urednik jednog broja časopisa Transactions on Advanced Research (TAR) January 2013 | Volume 9 | Number 1 | ISSN 1820 - 4511, <http://tar.ipsittransactions.org/>, Šćepan Miljanić.

Nagrade

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

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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
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8. CMST COST Action CM1304 "Emergence and Evolution of Complex Chemical Systems"
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12. COST Action CM1305 Explicit Control Over Spin-states in Technology and Biochemistry (ECOSTBio), 2014– 2018, član radne grupe 2, Ana Popović-Bijelić

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2. Projekat OI 172018 „Porozni materijali na bazi oksida u zaštiti životne sredine od genotoksičnih supstanci“, Fakultet za fizičku hemiju, rukovodilac prof. dr Vera Dondur
3. Projekat OI 172019 „Efekti dejstva laserskog zračenja i plazme na savremene materijale pri njihovoj sintezi, modifikaciji i analizi“, Institut za nuklearne nauke Vinča
4. Projekat OI 172030 „Primena unapređenih oksidacionih procesa i nanostrukturisanih oksidnih materijala za uklanjanje zagađivača iz životne sredine, razvoj i optimizacija instrumentalnih tehnika za praćenje efikasnosti“, Hemijski fakultet
5. Projekat OI 172040, „Struktura i dinamika molekulskih sistema u osnovnim i pobuđenim elektronskim stanjima“, Fakultet za fizičku hemiju, rukovodilac dr Mihajlo Etinski
6. Projekat OI 172043. „Elektroprovodni i redoks-aktivni polimeri i oligomeri: sinteza, struktura, svojstva i primena“, Fakultet za fizičku hemiju, rukovodilac prof. dr Gordana Ćirić-Marjanović
7. Projekat OI 177021 „Procesi urbanizacije i razvoja srednjevekovnog društva“, Arheološki institut
8. Projekat III 41005 “Biomarkeri u neurodegenerativnim i malignim procesima”, Biološki fakultet
9. Projekat III 45014 „Litijum-jon baterije i gorivne ćelije – Istraživanje i razvoj“, Fakultet za fizičku hemiju, prof. dr Slavko Mentus
10. Projekat III 45001 „Nanostrukturni funkcionalni materijali u katalitičkim i sorpcionim procesima“, Institut za hemiju, tehnologiju i metalurgiju

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.
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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 Mojković

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

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Nagrade

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COST akcije:

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13. CM 1305 Explicit Control Over Spin-states in Technology and Biochemistry (ECOSTBio), 2014–2018, član radne grupe 2, dr Ana Popović-Bijelić.
14. CA 15126 Between Atom and Cell: Integrating Molecular Biophysics Approaches for Biology and Healthcare (MOBIEU), 2015–2019, zamenik člana Menadžment komiteta, dr Ana Popović-Bijelić.
15. CM 1304 - Emergence and Evolution of Complex Chemical Systems
16. BM1203 EU-ROS – Synthesis and emulsification of new spin probes for application in *in vivo* evaluation of oxidative stress
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18. CM1401 - Our Astro-Chemical History (2014-2018), predstavnik Srbije u menadžment komitetu, dr Stanka Jerosimić.

19. BM1203 - Biomedicine And Molecular Bioscience (EU-ROS); MC – član, dr Miloš Mojović.

Nacionalni naučni projekti

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2. Projekat OI 172018 „Porozni materijali na bazi oksida u zaštiti životne sredine od genotoksičnih supstanci“, Fakultet za fizičku hemiju, rukovodilac prof. dr Vera Dondur
3. Projekat OI 172019 „Efekti dejstva laserskog zračenja i plazme na savremene materijale pri njihovoј sintezi, modifikaciji i analizi“, Institut za nuklearne nauke Vinča
4. Projekat OI 172030 „Primena unapređenih oksidacionih procesa i nanostrukturisanih oksidnih materijala za uklanjanje zagađivača iz životne sredine, razvoj i optimizacija instrumentalnih tehnika za praćenje efikasnosti“, Hemski fakultet
5. Projekat OI 172040, „Struktura i dinamika molekulskih sistema u osnovnim i pobuđenim elektronskim stanjima“, Fakultet za fizičku hemiju, rukovodilac dr Mihajlo Etinski
6. Projekat OI 172043. „Elektroprovodni i redoks-aktivni polimeri i oligomeri: sinteza, struktura, svojstva i primena“, Fakultet za fizičku hemiju, rukovodilac prof. dr Gordana Ćirić-Marjanović
7. Projekat OI 177021 „Procesi urbanizacije i razvoja srednjevekovnog društva“, Arheološki institut
8. Projekat III 41005 “Biomerkeri u neurodegenerativnim i malignim procesima”, Biološki fakultet
9. Projekat III 45014 „Litijum-jon baterije i gorivne ćelije – Istraživanje i razvoj“, Fakultet za fizičku hemiju, prof. dr Slavko Mentus
10. Projekat III 45001 „Nanostrukturni funkcionalni materijali u katalitičkim i sorpcionim procesima“, Institut za hemiju, tehnologiju i metalurgiju

Članstvo u naučnim odborima naučnih skupova

1. Član internacionalnog organizacionog komiteta naučnog skupa pod nazivom: 13th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, 26-30.09.2016. 1) dr Jasmina Dimitrić-Marković, 2) dr Dragomir Stanislavljev, 3) Itana Nuša Bubanja, 4) dr Ljiljana Kolar-Anić, 5) Stevan Mačešić, 6) dr Borivoj Adnađević
2. Član Naučnog odbora 53. savetovanja SHD, Kragujevac, Srbija, 10.-11. 06. 2016. dr Ivanka Holclajtner-Antunović.
3. 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. dr Ljiljana Kolar-Anić
4. A SOC member of the School: "Astrochemistry: From Space to Earth", co-organized by Université Grenoble Alpes, CNRS, the PCMI, and the COST Action CM1401 "Our Astrochemical History". 29 Aug – 9 Sep 2016, Grenoble, France. dr Stanka Jerosimić.
5. 2nd International Meeting on Materials Science for Energy Related Application, Scientific Committee member, Belgrade, September 29-30 2016. dr Igor Pašti

Uređivanje međunarodnog naučnog časopisa

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2. PHYSICAL CHEMISTRY 2016 (Proceedings), SPCS, Belgarde (2016), Vol.1 and Vol.2 (1916) V. (ISBN 978-86-82475-34-7; ISBN 978-86-82475-33-0). Slobodan Anić.

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Nagrade

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6. Fond Nenada M. Kostića za hemijske nauke pohvaljuje prof. Stanku V. Jerosimić za uspeh u mentorskom radu, maj 2016.
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Predavanje po pozivu sa radionice međunarodnog značja štampano u izvodu

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