

Radovi u međunarodnim časopisima sa IF

2019

Saša Zeljković, Dijana Jelić, Hiraku Maruyama; Juan C. Nino, Solvent-deficient synthesis of cerium oxide: characterization and kinetics, *Ceramics International* 45 – 8 (2019) 10063-10071. DOI:10.1016/j.ceramint.2019.02.052

Biljana Davidović-Plavšić, Nataša Lukić, Aleksandra Nikolić-Kokić, Biljana Kukavica, Effects of hemazin SC 500 (terbuthylazine) on antioxidative enzymes in human erythrocytes in vitro, *Journal of the Serbian Chemical Society* 84 – 5 (2019) 455 – 465. DOI: 10.2298/JSC181011115D

Suzana Gotovac Atlagić, Maja Stanisavljevic, Savka Jankovic, Dragana Milisavic, Marko Čađo, Zoran Kukric, Dragana Stević, Radovan Kukobat, Predrag Ilić, Denis Medjed, Magdalena Parlinska Wojtan: Novel Nanoporous Carbon/Iron Oxide Catalyst for SO₂ Degradation, *Materials today: proceedings* 7-P3 (2019) 920-929. DOI:10.1016/j.matpr.2018.12.095

Toni Ivas, Milica Balaban, Vedrana Došen, Jin Miyawaki, Kazuki Ito, Dragoljub Vranković, Gordana Ostojić, Saša Zeljković, Optimization of the calcination temperature for the solvent-deficient synthesis of nanocrystalline gamma-alumina, *Chemical Papers* 73 – 4 (2019) 901-907. DOI:10.1007/s11696-018-0637-x

Vesna Antunović, Marija Ilić, Rada Baošić, Dijana Jelić and Aleksandar Lolić, Synthesis of MnCo₂O₄ nanoparticles as modifiers for simultaneous determination of Pb(II) and Cd(II), *PLoS ONE* 14(2):e0210904 (2019). DOI: 10.1371/journal.pone.0210909

Dijana Jelić, Tatsiana Liavitskaya, Eugene Paulechka and Sergey Vyazovkin, Accelerating Effect of Poly(vinylpyrrolidone) Matrix on Thermal Decomposition of Malonic Acid, *Ind. Eng. Chem. Res.* (2019). DOI: 10.1021/acs.iecr.8b06457

Dijana Jelić, Tatsiana Liavitskaya, Sergey Vyazovkin. Thermal stability of indomethacin increases with the amount of polyvinylpyrrolidone in solid dispersion, *Thermochimica Acta* 676 (2019) 172-176 DOI: 10.1016/j.tca.2019.04.011

Elvisa Hodžić, Milica Balaban, Nevena Šuškalo, Semira Galijašević, Dino Hasanagić, Biljana Kukavica, Antioxidative response of *Melissa officinalis* L. and *Valeriana officinalis* L. leaves exposed to exogenous melatonin and excessive zinc and cadmium level, *Journal of the Serbian Chemical Society* 84 (2019) 11-25. DOI: 10.2298/JSC180504070H

Branislav Stojanović, Ljubica Radović, Dejan Natić, Margarita Dodevska, Gordana Vraštanović-Pavičević, Milica Balaban, Steva Lević, Tanja Petrović, Vesna Antić, Influence of a storage conditions on migration of bisphenol A from epoxy-phenolic coating to canned meat products, *Journal of the Serbian Chemical Society* 84 (2019) 377-389. DOI: 10.2298/JSC181015100S

2018

Nevena Šuškalo, Dino Hasanagić, Ljiljana Topalić-Trivunović, Zoran Kukrić, Ivan Samelak, Aleksandar Savić, Biljana Kukavica, Antioxidative and antifungal response of woody species to environmental conditions in the urban area, *Ecotoxicology* 27-8 (2018)1095–1106. DOI: 10.1007/s10646-018-1963-z

Saša Zeljković, Jin Miyawaki, Dragoljub Vranković, Elena Tervoort, Roland Hauert, Toru Kotegawa, Toni Ivas, Solvent-deficient synthesis of nanocrystalline Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-δ} powder, *Processing and Application of Ceramics* 12 – 4 (2018) 342 – 349. DOI:10.2298/PAC1804342Z

Dijana Jelić, Saša Zeljković, Branko Škundrić and Slavko Mentus, Thermogravimetric study of the reduction of CuO–WO₃ oxide mixtures in the entire range of molar ratios, *Journal of Thermal Analysis and Calorimetry* 132 (2018) 77-90. DOI:10.1007/s10973-017-6921-0

Valentina Topić-Vučenović, Zvezdana Rajkovača, Dijana Jelić, Dragi Stanimirović, Goran Vuleta, Branislava Miljković, Katarina Vučićević, Investigation of factors influencing radioiodine (131) biokinetics in patients with benign thyroid disease using nonlinear mixed effects approach, *European Journal of Clinical Pharmacology* 74 (2018) 1037-1045. DOI:10.1007/s00228-018-2459-8

Ivan Samelak, **Milica Balaban**, Nada Vidovic, Nemanja Koljancic, Malisa Antic, Tatjana Solevic-Knudsen, Branimir Jovancicevic, The application of alkane biological markers in the assessment of the origin of oil pollutants in the soil and recent river sediments (river Vrbas, Bosnia and Herzegovina), *Journal of the Serbian Chemical Society* 83 (2018) 1167-1175. DOI: 10.2298/JSC180501061S

Dragana Blagojević, Dragica Lazić, Dragana Kešelj, Gordana Ostojić, Mugdin Imamović, Determination of Titanium Dioxide Content in Bauxites Using X-ray Fluorescence Spectrometry by Fusion and by Pressing, *Acta Chimica Slovenica* 65-2 (2018) 380-387. DOI: 10.17344/acsi.2017.4098

Dragana Blagojevic, Dragica Lazic, Dragana Keselj, Zoran Obrenovic, Gordana Ostojic, Determination of Iron Oxide Content in Bauxites Using X-Ray Fluorescence Spectrometry by Pressing: A Comparative Study with Spectrophotometric Method, *Science Journal of Chemistry* 6–6 (2018) 108-114. DOI: 10.11648/j.sjc.20180606.12

2017

2016

Dragana Stević, Dijana Mihajlović, Radovan Kukobat, Yoshiyuki Hattori, Kento Sagisaka, Katsumi Kaneko, Suzana Gotovac Atlagić: Hematite Core Nanoparticles with Carbon Shell: Potential for Environmentally Friendly Production from Iron Mining Sludge. *Journal of Materials Engineering and Performance* 25 – 8 (2016) 3121-3127. DOI:10.1007/s11665-016-1964-0

Il Jeon, Sasa Zeljkovic, Kei Kondo, Michito Yoshizawa, Yutaka Matsuo, Interface Engineering of Metal Oxides using Ammonium Anthracene in Inverted Organic Solar Cells, *ACS Appl. Mater. Interfaces* 8 - 44 (2016) 29866–29871. DOI:10.1021/acsmi.6b09684

2015

Poglavlja u monografijama

2018

Milica Balaban, Marija V. Pergal, Dragan Manojlović, Thermoplastic Copolyester Elastomers, Their Structural Diversity and Applications. Polyester: Synthesis, Types and Applications, Materials Science and Technologies edited by Haley Olsen, Kobe Levine, **2018**: chapter 1: pages 1-55; Nova Science Publishers Inc., New York., **ISBN: 978-1-53614-096-5**

Marija V. Pergal, Milica Balaban, Dalibor Stanković, Branka B. Peković: *Poly(Dimethylsiloxane) Modified Polymers: Synthesis, Structure and Physical Properties*. Advances in Chemistry Research. Volume 43, Edited by James C. Taylor, **2018**: chapter 1: pages 1-80; Nova Science Publishers., **ISBN: 978-1-53613-078-2**

Zeljka Marjanović-Balaban and Dijana Jelić, Biomaterials in Clinical Practice. Polymeric Biomaterials in Clinical Practice, pages 101-117, Springer, **2018**. DOI: **10.1007/978-3-319-68025-5_4**, **ISBN: 978-3-319-68025-5**

2017

Marija Pergal, Milica Balaban, Poly(Ethylene Terephthalate): Synthesis and Physicochemical Properties. Polyethylene Terephthalate: Uses, Properties and Degradation, POLYMER SCIENCE AND TECHNOLOGY edited by NAOMI A. BARBER, **2017**: chapter 1: pages 1-102; Nova Science Publishers Inc. New York., **ISBN: 978-1-53611-991-6**

Marija Pergal, Milica Balaban, Synthesis and structure-property relationships of biodegradable polyurethanes. Biodegradable Polymers: Recent Developments and New Perspectives, Edited by Geraldine Rohman, **2017**: chapter 5: pages 141-190; IAPC Publishing, Zagreb, Croatia., **ISBN: 978-953-56942-5-0**, **DOI:10.5599/obp.14.6**

Marija V. Pergal, Milica Balaban, Biljana Dojčinović, Dragan Manojlović: Thermoplastic Polyurethane Nanocomposites. Thermoplastic composites: Emerging Technology, Uses and Prospects, Edited by Elizabeth Ritter, **2017**: chapter 1: pages 1-60; Nova Science Publishers, Inc., **ISBN: 978-1-53610-727-2**

Suzana Gotovac Atlagić, Verica Pavlić: Ever-Expanding Application Potentials For Iron-Based Nanomaterials: Catalyses And Biomedicine. Commercialization of Nanotechnologies - A Case Study Approach, 1 edited by Dermot Brabazon, Eva Pellicer, Fatima Zivic, Jordi Maria Baro, Nenad Grujovic, Kwang-Leong Choy, **2017**: pages 299-315; Springer., **ISBN: 978-3-319-56978-9**, **DOI:10.1007/978-3-319-56979-6**

2016

Marija V. Pergal, Milica Balaban, Jelena Nestorov, Gordana Tovilović-Kovačević, Synthesis, Characterization and Applications of Thermoplastic Polyurethane Elastomers. Polyurethanes: Properties, Uses and Prospects, Materials Science and Technologies edited by Frederick L. Hope, **2016**: chapter 2: pages 17-89; Nova Science Publishers Inc., New York., **ISBN: 978-1-63484-129-0**

2015

Toshihiko Fujimori, Fitri Khoerunnisa, Tomonori Ohba, Suzana Gotovac-Atlagić, Hideki Tanaka, Katsumi Kaneko: Function of Conjugated π -Electronic Carbon Walled Nanospaces Tuned by Molecular Tiling. Electronic Processes in Organic Electronics, Springer Series in Materials Science, Vol.209 edited by H. Ishii K. Kudo, T. Nakayama, and N. Ueno, **2015**: chapter 16: pages 351-378; Springer., **ISBN: 978-4-431-55206-2**, **DOI:10.1007/978-4-431-55206-2_16**

Radovi u nacionalnim časopisima:

2019

Popović Zoran, Predrag Ilić, Ranko Mirošljević, Suzana Gotovac Atlagić: EXPOSURE TO NON-IONIZING RADIATION OF AREA IN URBAN ZONE OF THE BANJA LUKA CITY, Arhiv za tehničke nauke 20 (**2019**) 81-86, **DOI:10.7251/afts.2019.1120.081P**

Predrag Ilić, Zoran Popović, Suzana Gotovac Atlagić: EFFECTS OF METEOROLOGICAL VARIABLES ON NITROGEN DIOXIDE VARIATION. Arhiv za tehničke nauke 20 (**2019**) 65-72, **DOI:10.7251/afts.2019.1120.065I**

2018

Milica Balaban, Silvester Bolka, Vesna Antić, Sinteza i karakterizacija poli(urea-siloksana) i poli(uretan-urea-siloksana) na bazi izoforon diizocijanata, Glasnik hemičara, tehnologa i ekologa Republike Srpske, 14 (**2018**) 9-14. **DOI:10.7251/GHTE1814009B**

Dijana Mihajlović, Vesna Antunović, Tanja Okolić and Dijana Jelić, Assessment of cadmium content in cosmetics by extraction with diluted HCl and aqua regia, Contemporary Materials, IX-1 (**2018**), **DOI: 10.7251/COMEN1801053M**

Biljana Davidović-Plavšić, Nikolina Miletić, Zoran Kukrić, Svjetlana Čolić, Biljana Kukavica. Karakterizacija antioksidativnog metabolizma srijemuša (*Allium ursinum* L.). *SKUP* 9 (**2018**) 25-37. **DOI: 10.7251/SKP180901025D**

Savka Janković, Dragana Milisavić, Tanja Okolić, Dijana Jelić. Preparation and characterization of ZnO nanoparticles by solvent free method, Contemporary materials, IX-I (**2018**) 48-52. **DOI: 7251COMENI1801048J**

2017

Milica Balaban, Nataša Sladojević, Vesna Antić, Synthesis and NMR analysis of the structure and composition of triblock poly(ester-siloxane-ester) copolymer based on L-lactide. *CONTEMPORARY MATERIALS VIII* (**2017**) 33-41. **DOI: 10.7251/COMEN1701033B**

Ana Velemir, Snježana Mandić, Ivan Samelak, Zoran Kukrić, Promjene proteinskih profila u domaćim fermentisanim kobasicama sa dodatkom proteina surutke i soje tokom čuvanja, Glasnik hemičara, tehnologa i ekologa Republike Srpske 13 (**2017**) 7-14. **DOI: 10.7251/GHTE 1713007V**

Dijana Jelić, Vesna Antunović, Mirjana Đermanović, Arsenic and mercury content determination in commercial cosmetics products by atomic absorption spectroscopy, *Quality of life*, 8 (**2017**) 23-26.

2016

Borislav N. Malinović, Suzana Gotovac Atlagić, Tijana Malinović, Natalija Bjelajac, Aleksandra Milovanović: Phosphate removal from wastewater by electrocoagulation process using aluminium electrode. 53rd Meeting of the Serbian Chemical Society, Kragujevac, Serbia; **2016**

Suzana Gotovac Atlagić, Siniša Vučenović, Toni Nikolić, Anđela Tomić, Dragana Stević: Mining Hotspots-Potential in Expanding the Chemical and Physical Applications of Nanomaterials. 11th Scientific - Research Symposium with International Participation Metallic and Nonmetallic Materials production – properties – application, Zenica; **2016**

Dijana Jelić, Saida Fazlagić, Vesna Antunović, Nataša Bubić-Pajić, Anđelka Račić, Mirjana Đermanović, Analysis of Ambroxol hydrochloride in Flavamed tablets by means of spectroscopic absorption methods, Quality of life, 7 (**2016**) 24-28

Šehovac, S., Ostojić, J., Halilović, N., & Gojak-Salimović, S., Evaluation of antioxidant activity of aqueous extracts from nettle leaf (*Urtica dioica* L.) using Briggs-Rauscher reaction. Radovi Poljoprivrednog Fakulteta Univerziteta u Sarajevu (Works of the Faculty of Agriculture University of Sarajevo), 61(66 (1)) (**2016**) 164-167.

Halilović, N., Šehovac, S., Ostojić, J., Avdić, N., & Gojak-Salimović, S., Spectrophotometric quantification of nitrite in dried meat. Radovi Poljoprivrednog Fakulteta Univerziteta u Sarajevu (Works of the Faculty of Agriculture University of Sarajevo), 61(66 (1)) (**2016**) 138-141.

2015

Saša Zeljković, Jelena Penavin-Škundrić, Dijana Jelić, Slavica Sladojević, Ljubica Vasiljević Interaction of hexavalent chromium and BSCF perovskite in water solutions, Materials Protection, 56 – 3 (**2015**) 340 – 344. DOI:10.5937/ZasMat1503340Z

Tatjana Vujić, Biljana Davidović-Plavšić, Snežana Uletilović, Svjetlana Stoisavljević-Šatara, Jelica Predojević-Samardžić, Živko Saničanin. Activities of proximal tubule enzymes and albumin concentration in urine of children treated with methotrexate. Contemporary Materials VI-1 (**2015**) 74-79. DOI: 10.7251/cm.v1i6.1966

Hasanagić, D. Janković, S., Boroja, M., Kukavica, B., Changes of Antioxidative Metabolism Parameters of Young Cucumber Plants (*Cucumis sativum* L.) as a response to Herbicide Treatment, Zbornik radova IX Simpozijum Savremene tehnologije i privredni razvoj, (**2015**) 13-24.