

SADRŽAJ VOLUMENA 68.

Sveska 1

Dušan Ž. Mijin, Jelena M. Marković, Danijela V. Brković, Aleksandar D. Marinković, Microwave-assisted synthesis of 2-pyridone and 2-pyridone-based compounds	1
Darko R. Jačimovski, Radmila V. Garić-Grulović, Željko B. Grbavčić, Mihal M. Đuriš, Nevenka M. Bošković-Vragolović, Analogija prenosa količine kretanja, toplote i mase pri vertikalnom hidrauličkom transportu inertnih čestica	15
Branislav V. Šojić, Ljiljana S. Petrović, Anamarija I. Mandić, Ivana J. Sedej, Natalija R. Džinić, Vladimir M. Tomović, Marija R. Jokanović, Tatjana A. Tasić, Snežana B. Škaljac, Predrag M. Ikonić, Lipid oxidative changes in traditional dry fermented sausage <i>Petrovska klobasa</i> during storage	27
Murat Şanyılmaz, Sermin Elevli, Experimental design of fuse link with ceramic alloy: Cracking problem	35
Violeta D. Jakovljević, Jasmina M. Milićević, Jelica D. Stojanović, Slavica R. Solujić, Miroslav M. Vrvić, Antioxidant activity of ethanolic extract of <i>Penicillium chrysogenum</i> and <i>Penicillium fusiculosum</i>	43
Mirjana B. Vojinović Miloradov, Maja M. Turk Sekulić, Jelena R. Radonić, Nataša B. Milić, Nevena N. Grujić Letić, Ivana J. Mihajlović, Maja Lj. Milanović, Industrijske emergentne hemikalije u životnom okruženju	51
Nebojša Č. Mitić, Dragan T. Stojiljković, Bratislav Ž. Todorović, Ljubiša S. Nikolić, Staniša T. Stojiljković, Suzana Cakić, Physicochemical and geochemical characterization of geothermal waters sedimentation tendency at Sijarinska spa and Vranjska spa (Serbia)	63
Jelena A. Babić, Mirjana R. Dimitrijević, Milan P. Miličević, Vesna Ž. Đorđević, Radivoj B. Petronijević, Slaven M. Grbić, Aurelija T. Spirić, Utjecaj pakovanja u modifikovanoj atmosferi i vakuumu na odabranu hemijske parametre svežine kalifornijske pastrmke (<i>Oncorhynchus mykiss</i>) i odrezaka šarana (<i>Cyprinus carpio</i>)	69
Nina M. Djapic, Urobilinogenic chlorophyll catabolite behavior in oxygen-containing moiety	77
Marija M. Janković, Dragana J. Todorović, Jelena D. Nikolić, Milica M. Rajačić, Gordana K. Pantelić, Nataša B. Sarap, Temporal concentration changes of beryllium-7 and lead-210 in ground level air in Serbia	83

Tatjana A. Kuljanin, Lidija R. Jevrić, Biljana Lj. Čurčić, Milica R. Nićetin, Vladimir S. Filipović, Jasna P. Grbić, Aluminium and calcium ions binding to pectin in sugar beet juice – model of electrical double layer	89
Tamara Dapčević Hadnađev, Ljubica Dokić, Milica Pojić, Miroslav Hadnađev, Aleksandra Torbica, Slađana Rakita, Rheological properties of dough and quality of bread supplemented with emulsifying polysaccharides	99
Vesna D. Nikolić, Snežana S. Ilić-Stojanović, Ljubiša B. Nikolić, Milorad D. Cakić, Aleksandar S. Zdravković, Agneš J. Kapor, Mirjana M. Popsavin, Photostability of piroxicam in the inclusion complex with 2-hydroxypropyl-β-cyclodextrin	107
Dragica Spasojević, Miloš Prokopijević, Olivera Prodanović, Marilen Gabriel Pirtea, Ksenija Radotić, Radivoje Prodanović, Immobilization of chemically modified horseradish peroxidase within activated alginate beads	117
Vuk D. Spasojević, Slobodan P. Šerbanović, Predrag Stefanović, Mirjana Lj. Kijevčanin, Review of technological methods and experimental determination of thermodynamic and transport properties of reagents for carbon dioxide removal from flue gases	123
Doktorske disertacije i magistarske teze hemijsko-tehnološke struke odbranjene na univerzitetima u Srbiji u 2013. godini.....	135

Sveska 2

Veselin B. Batalović, Dušan Š. Danilović, Marija A. Živković, Centrifugal separation of liquid carbon dioxide from natural gas	139
Abdualnaser Muftah Almagrbi, Tahmasb Hatami, Sandra B. Glisic, Aleksandar M. Orlović, Determination of kinetic parameters for complex transesterification reaction by standard optimisation methods	149
Vesna M. Novković, Ljiljana P. Stanojević, Milorad D. Cakić, Vlada B. Veljković, Mihajlo Z. Stanković, Separation of digoxin by liquid-liquid extraction from extracts of foxglove secondary glycosides	161
Mića V. Vukić, Mladen A. Tomić, Predrag M. Živković, Gradimir S. Ilić, Effect of segmental baffles on the shell-and-tube heat exchanger effectiveness	171

Kosovka B. Obradović-Đuričić, Vesna B. Medić, Slobodan M. Dodić, Slobodan P. Đurišić, Bojan M. Jokić, Jovana M. Kuzmanović, Porcelain veneers – preparation design: A retrospective review 179	Dobrića Randelović, Vera Lazić, Aleksandra Tepić, Ivana Mošić, The influence of packaging materials protective properties and applying modified atmosphere on packed dried apricot quality changes 289
Jasmina M. Zdravković, Gordana S. Aćamović-Djoković, Jelena D. Mladenović, Radoš M. Pavlović, Milan S. Zdravković, Antioxidant capacity and contents of phenols, ascorbic acid, β-carotene and lycopene in lettuce 193	Jasmina M. Veličković, Danijela A. Kostić, Gordana S. Stojanović, Snežana S. Mitić, Milan N. Mitić, Saša S. Randelović, Aleksandra S. Đorđević, Phenolic composition, antioxidant and antimicrobial activity of the extracts from <i>Prunus spinosa</i> L. fruit 297
Uroš D. Miljić, Vladimir S. Puškaš, Influence of fermentation conditions on production of plum (<i>Prunus domestica</i> L.) wine: A response surface methodology approach 199	Maja S. Kozarski, Anita S. Klaus, Miomir P. Nikšić, Leo J. L. D. Van Griensven, Miroslav M. Vrvic, Dragica M. Jakovljević, Polysaccharides of higher fungi: biological role, structure and antioxidative activity 305
Nemanja P. Trišović, Bojan Đ. Božić, Slobodan D. Petrović, Svetlana J. Tadić, Milka L. Avramov Ivić, Electrochemical characterization and determination of carbamazepine as pharmaceutical standard and tablet content on gold electrode 207	Jasna S. Mastilović, Daniela I. Horvat, Dragan R. Živančev, Aleksandra M. Torbica, Žarko S. Kevrešan, Nevena Đukić, Damir N. Magdić, Gordana H. Šimić, Analysis of interrelations between wheat protein fractions composition and its technological quality by combined multivariate and univariate statistics 321
Bojana R. Danilović, Jelena M. Avramović, Jovan T. Ćirić, Dragiša S. Savić, Vlada B. Veljković, Proizvodnja biodizela iz ulja mikroalgi 213	Milutin M. Milosavljević, Dušan Ž. Mijin, Sandra S. Konstantinović, Nataša M. Elezović, Ljiljana M. Takić, Ljubinka M. Dražević, Novi postupak prerade industrijskog otpada koji sadrži flotoreagense na bazi ksantata 331
Sanja M. Petrović, Saša R. Savić, Dejan Z. Marković, Živomir B. Petronijević, In vitro studies of temperature and pH influence on chlorophyll degradation by horseradish peroxidase: Spectroscopic and HPLC studies 233	Jian Hong Luo, Jun Li, Bao Ming Wang, Study on Mg²⁺ removal from ammonium dihydrogen phosphate solution by an emulsion liquid membrane 341
Milena Djurić, Pavle Mašković, Senad Murtić, Biljana Veljković, Srećko Ćurčić, Gorica Paunović, Ljiljana Bošković Rakočević, Quantitation of ellagic acid in blackberries 241	Faheem H. Akhtar, Yasir A. Elsheikh, M. Bassyouni, Monazza Kaukab, Ayyaz Muhammad, Nadeem Feroze, An alkali catalyzed transesterification of rice bran, cottonseed and waste cooking oil 347
Aleksandra N. Pavlović, Tamara J. Laketić, Snežana S. Mitić, Milenko J. Savić, Snežana B. Tošić, Miodrag S. Đorđević, Multielement determination using inductively coupled plasma optical emission spectrometry for metal characterization of water from artesian wells in Semberija region: Multivariate analysis of data 247	Zoran Obrenović, Ljubica M. Nikolić, Radislav Filipović, Marija Milanović, Ivan Stijepović, Utjecaj procesnih parametara na morfologiju i adsorpcione osobine nanokristalnog bemitita 357
Jelena S. Munčan, Lidija Matija, Jovana B. Simić-Krstić, Srećko S. Nijemčević, Djuro Lj. Koruga, Discrimination of mineral waters using near-infrared spectroscopy and aquaphotomics 257	Danijela S. Slavnić, Branko M. Bugarski, Nikola M. Nikaljević, Hemijski reaktori sa oscilirajućim tokom fluida 363
Неделько Крстајић, Приказ књиге: Корозија и заштита материјала 265	Milica L. Vinić, Milivoje R. Ivković, Laser ablation initiated fast discharge for spectrochemical applications 381
	Slobodan S. Petrović, Mihailo S. Ristić, Nada V. Petrović, Miodrag L. Lazić, Marina Francišković, Slobodan D. Petrović, Hemijski sastav i antioksidativna aktivnost etarskog ulja <i>Thymus serpyllum</i> L. 389
Sveska 3	
Petar M. Đukić, Mogućnosti oporavka i perspektive hemijske industrije Srbije u svetlu održivog razvoja 267	
Svetlana Lj. Ivanov, Mirjana M. Rajčić-Vujasinović, Jasmina Lj. Petrović, Vesna J. Grekulović, Srba A. Mladenović, Elektrohemijsko ispitivanje hladno deformisanog bakra u alkalnoj sredini u prisustvu kalijum-etilksantata 279	
Sveska 4	
Radomir B. Ljupković, Radoslav D. Mičić, Milan D. Tomić, Niko S. Radulović, Aleksandar Lj. Bojić, Aleksandra R. Zarubica, Significance of the structural properties of CaO catalyst in the production of bio-	

diesel: An effect on the reduction of greenhouse gas emissions.....	399	Sveska 5
Mirjana M. Filipović, Iron–chromium–carbon–vanadium white cast irons – the microstructure and properties.....	413	Ljubiša J. Bučanović, Mihailo P. Lazarević, Srećko N. Batalov, The fractional PID controllers tuned by genetic algorithms for expansion turbine in the cryogenic air separation process
Sofija M. Rančić, Snežana D. Nikolić-Mandić, Aleksandar Lj. Bojić, Analytical application of the reaction system methylene blue B–K ₂ S ₂ O ₈ for the spectrophotometric kinetic determination of silver in citric buffer media.....	429	Zuozhu Wu, Xinqi Qiao, Zhen Huang, Development and validation of a reduced mechanism for methane using a new integral algorithm in a premixed flame.....
Saša J. Brzić, Ljiljana N. Jelisavac, Jela R. Galović, Danica M. Simić, Jelena Lj. Petković, Viscoelastic properties of hydroxyl-terminated poly(butadiene)-based composite rocket propellants	435	Xue-Fei Zhou, Oxidation of lignin–carbohydrate complex from bamboo with hydrogen peroxide catalyzed by Co(salen).....
Ljiljana M. Kostadinović, Šandor M. Kormanjoš, Lazar N. Ružičić, Gordana K. Dozet, Određivanje jonofornog kokcidiostatika salinomicina u premiksima i hrani za živinu tečnom hromatografijom posle post-kolonske derivatizacije	445	Dimitrije Ž. Stevanović, Mića B. Jovanović, Marina A. Mihajlović, Jovan M. Jovanović, Željko B. Grbavčić, Analiza simulatora tehnoloških procesa u funkciji projektovanja: Studija slučaja separacije prirodnog gasa.....
Ljiljana J. Janković-Mandić, Ranko M. Dragović, Milan M. Đorđević, Maja B. Đolić, Antonije E. Onjia, Snežana D. Dragović, Goran G. Bačić, Prostorna varijabilnost ¹³⁷ Cs u zemljištu Beograda (Srbija)	449	Sonja M. Vidojković, Antonije E. Onjia, Aleksandar B. Devečerski, Nebojsa N. Grahovac, Aleksandra B. Nastasović Economizer water-wall damages initiated by feedwater impurities
Dušan S. Rajić, Željko J. Kamberović, Radovan M. Karalić, Maja D. Vitorović-Todorović, Negovan D. Ivanković, Sonja Dj. Bauk, Dalibor B. Jovanović, A comparative analysis of the selected properties of protective filtering masks	457	Ljiljana M. Djekić, Marija M. Primorac, Formulacija i karakterizacija samo-mikroemulgujućih nosača lekovitih supstanci na bazi biokompatibilnih nejonskih surfaktanata
Violeta D. Jakovljević, Jasmina M. Milićević, Jelica D. Stojanović, Slavica R. Solujić, Miroslav M. Vrvic, The influence of detergent and its components on metabolism of <i>Fusarium oxysporum</i> in submerged fermentation	465	Milovan Vuković, Nada Štrbac, Miroslav Sokić, Vesna Grekulović, Vladimir Cvetkovski, Bioleaching of pollymetallic sulphide concentrate using thermophilic bacteria
Slavica Tomić, Milena Knežević, Nevenka Rajić, Dragan Povrenović, Uklanjanje magnezijuma iz izvorske vode pomoću prirodnog zeolita u protočnom sistemu	475	Milica M. Petrović, Jelena Z. Mitrović, Miljana D. Radović, Danijela V. Bojić, Miloš M. Kostić, Radomir B. Ljupković, Aleksandar Lj. Bojić, Synthesis of bismuth(III) oxide films based anodes for electrochemical degradation of Reactive blue 19 and Crystal violet.....
Milena M. Knežević, Dragan S. Povrenović, Uticaj fluidomehaničkih karakteristika sistema na zapreminski koeficijent prenosa mase i disperziju vazduha u trofaznom sistemu	483	Александра Т. Ивановић, Бисерка Т. Трумић, Светлана Љ. Иванов, Саша Р. Марјановић, Моделовање утицаја температуре и времена хомогенизационог жарења на тврдоћу PdNi5 легуре.....
Nikola V. Živković, Slobodan P. Šerbanović, Emila M. Živković, Mirjana Lj. Kijevčanin, Predrag Lj. Stefanović, Wet flue gas desulphurisation procedures and relevant solvents thermophysical properties determination	491	Tatjana Nikolin, Mirjana Sevaljević, The examination of the seasonal influence on the efficiency in oil and fats removal through primary treatment from the wastewater of edible oil industry.....
Vlado Đ. Ličina, Slavica Ć. Jelačić, Damir V. Beatović, Svetlana B. Antić Mladenović, Mineral composition of different basil (<i>Ocimum spp.</i>) genotypes	501	Branko B. Pejović, Vladan M. Mičić, Mitar D. Perušić, Goran S. Tadić, Ljubica C. Vasiljević, Slavko N. Smiljanić, Predlog za određivanje promene entropije poluidealnog gasa primenom srednjih vrednosti temperaturnih funkcija.....
Ivana A. Arsić, Vanja M. Tadić, Sofija M. Đorđević, Ana R. Žugić, Zorica B. Vujić, Slobodan D. Petrović, Optimization of extraction of antioxidant components from Yarrow herb.....	511	Tatjana A. Djakov, Ivanka G. Popović, Ljubinka V. Rajaković, Mikro-elektro-mehanički sistemi (MEMS) – Tehnologija za 21. vek.....
		Maja M. Kuzmanoski, Marija N. Todorović, Mira P. Aničić Urošević, Slavica F. Rajšić, Heavy metal content of soil in urban parks of Belgrade

Sveska 6

Polimeri

- Vesna Teofilović, Jelena Pavličević, Oskar Bera, Mirjana Jovičić, Jaroslava Budinski-Simendić, Katalin Mészáros Szécsényi, Ayse Aroguz, **The preparation and thermal properties of chitosan/bentonite composite beads** 653
- Nickolay M. Ostrovskii, **Drying of polymer powder in fluidized bed. Modelling of multizone dryer** 661
- Milica M. Gvozdenović, Branimir Z. Jugović, Jasmina S. Stevanović, Branimir N. Grgur, **Electrochemical synthesis of electroconducting polymers** 673
- Zvezdana P. Sandić, Marija J. Žunić, Danijela D. Maksin, Aleksandra D. Milutinović-Nikolić, Aleksandar R. Popović, Dušan M. Jovanović, Aleksandra B. Nastasović, **Glycidyl methacrylate macroporous copolymer grafted with diethylene triamine as sorbent for Reactive Black 5** 685
- Rajko Radovanović, Vladislav Jašo, Branka Pilić, Dragoslav Stoilković, **Effect of PVC plastisol composition and processing conditions on foam expansion and tear strength** 701
- Aleksandra Porjazoska Kujundziski, Dragica Chamovska, Toma Grchev, **Capacitive properties of polypyrrole/activated carbon composite** 709
- Danijela Pecarski, Zorica Knežević-Jugović, Suzana Dimitrijević-Branković, Katarina Mihajilovski, Slobodan Janković, **Preparation, characterization and antimicrobial activity of chitosan microparticles with thyme essential oil** 721
- Marija V. Pergal, Jelena Nestorov, Gordana Tovilović-Kovačević, Petar Jovančić, Lato Pezo, Dana Vasiljević-Radović¹, Jasna Djonlagić, **Surface characterization, hemo- and cytocompatibility of segmented poly(dimethylsiloxane)-based polyurethanes** 731
- Milena T. Marinović-Cincović, Aleksandra N. Radosavljević, Jelena I. Krstić, Jelena P. Spasojević, Nataša M. Bibić, Miodrag N. Mitrić, Zorica M. Kačarević-Popović, **Physicochemical characteristics of gamma irradiation crosslinked poly(vinyl alcohol)/magnetite ferrogel composite** 743
- Jelena Pavličević, Mirjana Jovičić, Vesna Simendić, Oskar Bera, Radmila Radičević, Milena Špirková, **Modifikacija epoksidnih smola termoplastičnim segmentiranim poliuretanima na osnovu polikarbonatnog diola** 755
- Mojca Bavcon Kralj, Tjaša Jug, Erika Komel, Nikita Fajt, Kristjan Jarni, Jelena Živković, Ibrahim Mujić, **Aromatic compound in different peach cultivars and effect of preservatives on the final aroma of cooked fruits** 767
- Radivoj B. Petronijević, Vesna F. Matekalo-Sverak, Aurelija T. Spirić, Ilija K. Vuković, Jelena A. Babić, Milan P. Milijašević, Dejana K. Trbović, **Hemometrijski pristup razvoju kolorimetrijske metode za procenu količine prehrambenih boja u proizvodima od mesa** 781
- Mirjana M. Brdar, Marina B. Šćiban, Dragana V. Kukić, Tatjana M. Došenović, **Kinetic model for the sorption of copper ions onto sugar beet shreds** 793
- Snezana D. Ivanovic, Zoran M. Stojanovic, Ksenija D. Nestic, Boris P. Pisinov, Milan Ž. Baltic, Jovanka V. Popov-Raljić, Jelena M. Đurić, **Effect of goat breed on the meat quality** 801
- Rongyan Shen, Guoyong Feng, Yuting Liang, Xingqing Zhao, Wenyi Zhang, **Influence factors of photocatalytic activity of the filter media modified by TiO₂** ... 809
- SADRŽAJ VOLUMENA 68(1–6) 819
- INDEKS AUTORA 2014 823