

## Personal data:

Name and Surname: Nikola Milašinović  
Address: Cara Dušana 196, Belgrade  
Karnegijeva 4, Belgrade  
Telephone: +381 11 3107140, +381 11 3303730,  
+381 64 8922653  
E-mail: nikola.milasinovic@kpa.edu.rs  
nikolla3@tmf.bg.ac.rs  
nmilasin@umich.edu



<https://orcid.org/0000-0002-2744-4002>



<https://www.linkedin.com/in/nikola-milasinovic-84661a26/>



[https://www.researchgate.net/profile/Nikola\\_Milasinovic2](https://www.researchgate.net/profile/Nikola_Milasinovic2)

## Education/professional training:

- 2016 Three months Postdoctoral Research at Biomedical Engineering Department, University of Michigan, United States of America.
- 2005-2011 Ph.D., Chem. Eng., Department of Organic Chemical Technology, Faculty of Technology and Metallurgy, University of Belgrade, Serbia.
- 2000-2005 B.Sc., Chem. Eng., Department of Organic Chemical Technology, Faculty of Technology and Metallurgy, University of Belgrade, Serbia.
- 2004 Six weeks duration of student exchange program at University of Technology in Szczecin, Poland.

## Employment history:

- 2017- Academy of Criminalistic and Police Studies, Republic of Serbia, Associate Professor.
- 2016- Academy of Criminalistic and Police Studies, Republic of Serbia, Head of Forensic Polymer Section.
- 2016- Biomedical Engineering, University of Michigan, United States of America, Visiting Professor.
- 2013-2017 Academy of Criminalistic and Police Studies, Republic of Serbia, Assistant Professor.
- 2011-2016 Faculty of Technology and Metallurgy, University of Belgrade, Research Associate, Responsible for project research and development.
- 2013 Academy of Criminalistic and Police Studies, Invited Lecture *Methods of Forensic Identification of Persons* (delegation of the Lviv State University of Internal Affairs, Ukraine).
- 2012 Academy of Criminalistic and Police Studies, Invited Lecture *Polymers and Polymeric Materials and their Application in Forensic Engineering* (Graduate specialist studies, Course "Forensic Engineering").
- 2011 Faculty of Technology and Metallurgy, University of Belgrade, Teaching Assistant, Lecturing at undergraduate level course "Chemistry of Macromolecules", Laboratory work.
- 2005-2011 Faculty of Technology and Metallurgy, University of Belgrade, Research Assistant, Work at project research.

## **Research interests:**

Natural and synthetic hydrogels. Structure and properties of polymer materials and their application in medicine, pharmacy and biomedical engineering. Synthesis and characterization of (co)polymers based on itaconic acid. Hydrogels for controlled release of therapeutic substances.

Immobilization and encapsulation of enzymes and bioactive reagents for specific purposes in hydrogels based on itaconic acid and their application in biotechnology and food industry.

Forensic engineering. Polymers and polymeric (bio)materials and their application in forensics. Forensic methods for identification of polymers and polymeric (bio)materials.

## **Scientific Field:**

Chemical engineering

## **Courses taught or co-taught:**

1. An Introduction to Chemistry (undergraduate level)
2. Physical Chemistry (undergraduate level)
3. Organic and Inorganic Chemistry (undergraduate level)
4. Chemical and Technological Engineering (undergraduate level)
5. Engineering of Polymeric Materials (undergraduate level)
6. Biochemical Engineering (graduate level)
7. Biotechnology (graduate level)
8. Chemical Engineering (graduate level)
9. Methods of Natural Sciences in Forensics (doctoral level)
10. Nanomaterials and Nanotechnologies (doctoral level)
11. Polymeric Biomaterials (doctoral level)
12. Polymer and Composite Materials (doctoral level)
13. Biomedical Engineering (doctoral level)

## **Awards and Fellowships:**

Five diplomas of "Panta S. Tutundžić" for outstanding achievement during undergraduate studies.

Awarded by Serbian Chemical Society for the overall achievement during B. Sc. studies.

Scholarship of Municipality of Jagodina.

Ph.D. scholarship of Ministry of Science and Technological Development.

Poster Award, 2<sup>nd</sup> place, "Nutritional Status and Components of Metabolic Syndrome in Patients on Atypical Antipsychotics Therapy", V Congress of Pharmacists of Serbia, Belgrade (2010).

Certificate for successfully completed workshop "Successful Technology Licensing" organized by the World Intellectual Property Organization and the Serbian Intellectual Property Office (2012).

The University Senate, Lifelong Learning Programme: "Fundamentals and Applications of Controlled Release and Drug Delivery", University of Belgrade (2013).

Certificate of Participant of II International Scientific-Practical Conference "Forensic Science: Russian and International Experience", Plenary Lecture: „Biometric Aspect of Human Gait“, Volgograd Academy of the Internal Affairs Ministry of the Russian Federation, Volgograd (2014).

## **Additional information (other activities):**

*Languages:* English, active knowledge (writing–excellent, reading–excellent, speaking–excellent).

Greek, active knowledge (middle level).

German, passive knowledge (basic level, high school).

*Computer skills:* Microsoft Office, OriginLab (professional data analysis and graphing software for scientists and engineers), Photoshop, Searching and Use of the Internet.

## **Projects:**

### *Current projects:*

**Internal project** (as Researcher), implemented with the consent of the Ministry of Interior of the Republic of Serbia, “Forensic Methods in Criminalistics”, 2015-2019.

**Project of Integrated and Interdisciplinary Research** (as Research Associate), Ministry of Education and Science of the Republic of Serbia, Project No. III 46010, “Novel encapsulation and enzyme technologies for designing of new biocatalysts and biologically active compounds targeting enhancement of food quality, safety and competitiveness”, 2011-2014 (*prolonged*).

### *Previous projects:*

**Internal project** (as Researcher), implemented with the consent of the Ministry of Interior of the Republic of Serbia, “Criminal-forensic processing of criminal events”, 2012-2015.

**Fundamental Research Project** (as Research Associate), Ministry of Education and Science of the Republic of Serbia, Project No. 172062 “Synthesis and characterization of novel functional polymers and polymeric nanomaterials”, 2011-2014.

**Fundamental Research Project** (as Research Assistant), Ministry of Science and Technological Development of the Republic Serbia, Project No. 142023 “The Synthesis and Characterization of the Polymeric (nano)composites of defined molecular and supermolecular structure”, 2006-2010.

## **Referee in journals:**

Physical Chemistry Chemical Physics (1), Journal of Applied Polymer Science (1), Journal of the Serbian Chemical Society (3), Bioprocess and Biosystems Engineering (1), British Microbiology Research Journal (1), Bezbednost (2), Chemical Industry (3), International Journal of Polymeric Materials (3), NBP: Journal of Criminalistics and Law (3), British Journal of Pharmaceutical Research (1), International Research Journal of Pure and Applied Chemistry (1), Colloids and Surfaces B: Biointerfaces (1), Journal of Basic and Applied Research international (2), Chemical Engineering Journal (3), Biocatalysis and Biotransformation (2), Journal of Applied Chemical Science International (1), Artificial Cells, Nanomedicine and Biotechnology (1), Preparative Biochemistry & Biotechnology (1), Pharmaceutical Research (1), British Journal of Applied Science & Technology (1), International Journal of Food Science & Technology (1), Starch (1), International Journal of Biological Macromolecules (1), Journal of Chemical Technology & Biotechnology (1).

## **Editorial Board Member:**

Pharmacologia (ISSN 2044-4648), 2013-2015

Journal of New Science Biotechnology (), 2014-2015

Archibald Reiss Days (ISBN 978-86-7020-190-3), 2015-

## **Editorial Council:**

NBP – Journal of Criminalistics and Law

## **Organizing/programme Committee of International Scientific Conferences:**

Archibald Reiss Days (Belgrade, 2014, 2015, 2016, 2017)

## Publications:

### *Monographs, Thematic Proceedings, Papers in Thematic Conference Proceedings:*

1. Steva Lević, Verica Đorđević, Zorica Knežević-Jugović, Ana Kalušević, **Nikola Milašinović**, Branko Bugarski and Viktor Nedović, “Encapsulation Technology of Enzymes and Applications in Food Processing”, *Microbial Enzyme Technology in Food Applications*. Eds. Ramesh C. Ray, Cristina M. Rosell. Boca Raton, FL: CRC Press, Taylor & Francis Group, 2016. 469-502;

### *Peer-reviewed journals:*

1. Ivan Terzić, Jasna Ivanović, Irena Žižović, Marija Lučić Škorić, Nedeljko Milosavljević, **Nikola Milašinović**, Melina Kalagasidis Krušić, “A novel chitosan gels: supercritical CO<sub>2</sub> drying and impregnation with thymol”, *Polymer Engineering & Science*, DOI: 10.1002/pen.24834;
2. James Ronald Day, Anu David, Jiwon Kim, Evan Andrew Farkash, Marilia Cascalho, **Nikola Milašinović**, Ariella Shikanov, “The impact of functional groups of poly(ethylene glycol) macromers on the physical properties of photo-polymerized hydrogels and the local inflammatory response in the host”, *Acta Biomaterialia*, 67 (2018) 42-52;
3. Milena Žuža, **Nikola Milašinović**, Marko Jonović, Jelena Jovanović, Melina Kalagasidis Krušić, Branko Bugarski, Zorica Knežević-Jugović, “Design and Characterization of Alcalase-Chitosan Conjugates as Potential Biocatalysts”, *Bioprocess and Biosystems Engineering*, 40(11) (2017) 1713-1723;
4. **Nikola Milašinović**, “Polymers in Criminalistics: Latent Fingerprint Detection and Enhancement – from Idea to Practical Application”, *NBP – Journal of Criminalistics and Law*, 3 (2016) 133-148;
5. **Nikola Milašinović**, Bojan Čalija, Bojana Vidović, Milkica Crevar Sakač, Zorica Vujić, Zorica Knežević-Jugović, “Sustained release of  $\alpha$ -lipoic acid from chitosan microbeads synthesized by inverse emulsion method”, *Journal of the Taiwan Institute of Chemical Engineers*, 60 (2016) 106-112;
6. Kata Trifković, **Nikola Milašinović**, Verica Djordjević, Gordana Zdunić, Melina Kalagasidis Krušić, Zorica Knežević-Jugović, Katarina Šavikin, Viktor Nedović, Branko Bugarski, “Chitosan crosslinked microparticles with encapsulated polyphenols: Water sorption and release properties”, *Journal of Biomaterials Applications*, 30 (5) (2015) 618-31;
7. Bojana B. Vidović, **Nikola Z. Milašinović**, Jelena M. Kotur-Stevuljević, Sanda P. Dilber, Melina T. Kalagasidis-Krušić, Brižita I. Đorđević, Zorica D. Knežević-Jugović, “Encapsulation of  $\alpha$ -lipoic acid into chitosan and alginate/gelatin hydrogel microparticles and its *in vitro* antioxidant activity”, *Hemijska Industrija*, 70(1) (2016) 49-58;
8. Kata Trifković, **Nikola Milašinović**, Verica Djordjević, Melina Kalagasidis Krušić, Zorica Knežević-Jugović, Viktor Nedović, Branko Bugarski, “Chitosan microbeads for encapsulation of thyme (*Thymus serpyllum* L.) polyphenols”, *Carbohydrate Polymers* 111 (2014) 901-907;
9. Nedeljko Milosavljević, Aleksandra Debeljković, Melina Kalagasidis Krušić, **Nikola Milašinović**, Ömer Bariş Üzüm and Erdener Karadağ, “Application of poly(acrylamide-co-sodium methacrylate) hydrogels in copper and cadmium removal from aqueous solution”, *Environmental Progress & Sustainable Energy* 33(3) (2014), 824-834;
10. Smilja Teodorović, **Nikola Milašinović**, Ljiljana Mašković, “Human biometric identification technologies based on vascular patterns”, *Forensic examination (Судебная экспертиза)* 4 (36) (2013) 123-134;
11. **Nikola Milašinović**, Zorica Knežević-Jugović, Nedeljko Milosavljević, Marija Lučić Škorić, Jovanka Filipović, Melina Kalagasidis Krušić, “Stimuli-sensitive hydrogel based on *N*-isopropylacrylamide and itaconic acid for entrapment and controlled release of *Candida rugosa* lipase under mild conditions”, *BioMed Research International*, DOI <http://dx.doi.org/10.1155/2014/364930>;
12. **Nikola Milašinović**, Sonja Jakovetić, Zorica D. Knežević-Jugović, Nedeljko Milosavljević, Marija Lučić, Jovanka Filipović and Melina Kalagasidis Krušić, “Catalyzed ester synthesis using *Candida rugosa* lipase entrapped by poly(*N*-isopropylacrylamide-co-itaconic acid) hydrogel”, *The Scientific World Journal*, DOI <http://dx.doi.org/10.1155/2014/142123>;

13. Veljko Milašinović, **Nikola Milašinović**, “The Technology of Forensic Examination of Burned Copper Cord”, NBP: Journal of Criminalistics and Law 3 (2012) 87-96;
14. **Nikola Milašinović**, Nedeljko Milosavljević, Jovanka Filipović, Zorica Knežević-Jugović, Melina Kalagasidis Krušić, “Controlled release of lipase from *Candida rugosa* loaded into hydrogels of *N*-isopropylacrylamide and itaconic acid”, International Journal of Pharmaceutics 436 (2012) 332-340;
15. **Nikola Milašinović**, Nedeljko Milosavljević, Jovanka Filipović, Zorica Knežević-Jugović, Melina Kalagasidis Krušić, “Efficient immobilization of lipase from *Candida rugosa* by entrapment into poly(*N*-isopropylacrylamide-*co*-itaconic acid) hydrogels under mild conditions”, Polymer Bulletin 69 (3) (2012) 347-361;
16. **Nikola Milašinović**, Zorica Knežević-Jugović, Živana Jakovljević, Jovanka Filipović, Melina Kalagasidis Krušić, “Synthesis of *n*-amyl isobutyrate catalyzed by *Candida rugosa* lipase immobilized into poly(*N*-isopropylacrylamide-*co*-itaconic acid) hydrogels”, Chemical Engineering Journal 181-182 (2012) 614-623;
17. Nedeljko Milosavljević, **Nikola Milašinović**, Jovanka Filipović, Melina Kalagasidis-Krušić “Synthesis and characterization of copolymer hydrogels of chitosan, itaconic acid and *N*-isopropylacrylamide”, Hemijska industrija 65 (6) (2011) 657-666;
18. **Nikola Milašinović**, Nedeljko Milosavljević, Jovanka Filipović, Zorica Knežević-Jugović, Melina Kalagasidis Krušić, “Immobilization of lipase from *Candida rugosa* into copolymer hydrogels of poly(*N*-isopropylacrylamide-*co*-itaconic acid) synthesized in the presence of surfactants”, Hemijska industrija 65(6) (2011) 667-673;
19. Nedeljko B. Milosavljević, **Nikola Z. Milašinović**, Ivanka G. Popović, Jovanka M. Filipović, Melina T. Kalagasidis Krušić, “Preparation and Characterization of pH-Sensitive Hydrogels Based on Chitosan, Itaconic Acid and Methacrylic Acid”, Polymer International 60 (3) (2011) 443-452;
20. **Nikola Milašinović**, Nedeljko Milosavljević, Jovanka Filipović, Zorica Knežević-Jugović, Melina Kalagasidis Krušić, “Synthesis, characterization and application of poly(*N*-isopropylacrylamide-*co*-itaconic acid) hydrogels as supports for lipase immobilization”, Reactive and Functional Polymers 70 (2010) 807-814;
21. **Nikola Milašinović**, Melina Kalagasidis Krušić, Zorica Knežević-Jugović, Jovanka Filipović, “Hydrogels of *N*-isopropylacrylamide copolymers with controlled release of a model protein”, International Journal of Pharmaceutics 383 (1-2) (2010) 53-61;
22. Nedeljko Milosavljević, **Nikola Milašinović**, Jovanka Filipović, Melina Kalagasidis Krušić, “Synthesis and characterization of semi-interpenetrating networks of chitosan and poly(*N*-vinyl-2-pyrrolidone)”, Hemijska industrija 64 (6) (2010) 511-517;
23. **Nikola Milašinović**, Melina Kalagasidis Krušić, Zorica Knežević-Jugović, Jovanka Filipović, “The influence of composition of poly(*N*-isopropylacrylamide-*co*-itaconic acid) hydrogel on immobilized *Candida rugosa* lipase activity”, Hemijska industrija 62 (6) (2008) 339-344.

*In preparation/submitted/in press:*

1. **Nikola Milašinović**, Kata Trifković, Verica Djordjević, Melina Kalagasidis Krušić, Zorica Knežević-Jugović, Branko Bugarski, “Novel chitosan-based hydrogel systems for the encapsulation of thyme polyphenols”, *in preparation*

*Conference presentations and abstracts:*

*Conference presentations:*

1. **Nikola Milašinović**, Bojana Vidović, Bojan Čalija, “Chromatographic Techniques as Reliable Tools for Authentication and Alduration of Dietary Supplements”, The International Scientific Conference “Archibald Reiss Days”, 7-9. November, Belgrade, Serbia (2017);
2. Marija Lučić Škorić, Jasmina Nikodinović-Runić, Nedeljko Milosavljević, **Nikola Milašinović**, Kevin O’Connor, Melina Kalagasidis Krušić, “Polyhydroxyalkanoates films with antifungal properties”, LIV Meeting of Serbian Chemical Society, Proceedings, Belgrade, Serbia (2017) 139-143;

3. Jelena Đuriš, Bojana Vidović, Bojan Čalija, **Nikola Milašinović**, “Anti-counterfeiting Food and Drug Packaging Technologies and Forensic Tools: Present State and Future Trends”, The International Scientific Conference “Archibald Reiss Days”, 3-4. March, Belgrade, Serbia (2016);
4. Bojana Vidović, **Nikola Milašinović**, “Recent Developments and Applications of Enzyme-Linked Immunosorbent Assays in Forensic Food Analysis”, The International Scientific Conference “Archibald Reiss Days”, 3-4. March, Belgrade, Serbia (2015);
5. Trifković, K.T., Isailović, B.D., **Milašinović N.**, Jovanović A., Knežević-Jugović Z., Djordjević V., Bugarski B., “Mechanical properties of alginate-liposomes-based beads with encapsulated resveratrol”, IV International Congress: “Engineering, Environment and Materials in Processing Industry”, CD Proceedings, Jahorina, Bosnia and Herzegovina (2015) 318-325. DOI: 10.7251/EEMEN1501318T, ISBN 978-99955-81-18-3;
6. Trifković, K.T., **Milašinović N.**, Kalagasidis Krušić M., Knežević-Jugović Z., Milosavljević N., Djordjević V., Bugarski B., “FT-IR spectroscopy characterization of gelatin/chitosan hydrogels for encapsulation of polyphenols from *Thymus Serpyllum* L.” IV International Congress: “Engineering, Environment and Materials in Processing Industry”, CD Proceedings, Jahorina, Bosnia and Herzegovina (2015) 326-335. DOI: 10.7251/EEMSR1501326T, ISBN 978-99955-81-18-3;
7. Boban Vidojević, Ljiljana Mašković, **Nikola Milašinović**, “Biometric Characteristics of Human Ear”, The International Scientific Conference “Archibald Reiss Days”, 3-4. March, Belgrade, Serbia (2014);
8. I. Terzić, J. Antić-Stanković, M. Lučić Škorić, N. Milosavljević, **N. Milašinović**, M. Kalagasidis Krušić, “Antimicrobial activity of zinc ions crosslinked alginate/gelatin hydrogels”, 15th International Conference Polymers and Organic Chemistry, Proceedings, Timisoara, Romania (2014) 123-134;
9. **Nikola Milašinović**, Dragutin Ratković, Ljiljana Mašković, “Biometric Aspect of Human Gait”, Plenary Lecture, II International Scientific-Practical Conference “Forensic Science: Russian and International Experience”, Volgograd Academy of the Internal Affairs Ministry of the Russian Federation, Volgograd (2014) 487-493.
10. Kata T. Trifković, **Nikola Z. Milašinović**, Melina T. Kalagasidis Krušić, Verica B. Djordjević, Zorica D. Knežević-Jugović, Viktor A. Nedović, Branko M. Bugarski, “Encapsulation of *Thymus Serpyllum* L. aqueous extract in chitosan microbeads”, International COST conference, Action FA1001, 15-16. October, Lunteren, The Netherlands (2012);
11. Kata T. Trifković, **Nikola Z. Milašinović**, Bojana D. Isailović, Melina T. Kalagasidis Krušić, Verica B. Đorđević, Zorica D. Knežević-Jugović, Branko M. Bugarski, “Encapsulation of *Thymus Serpyllum* L. Aqueous Extract in Chitosan and Alginate-Chitosan Microbeads”, 6th Central European Congress on Food – CEFood 2012, Proceedings, Novi Sad, Serbia (2012) 1052-1058;
12. **Nikola Z. Milašinović**, Nedeljko B. Milosavljević, Jovanka M Filipović, Zorica D. Knežević, Melina T. Kalagasidis Krušić, “The effect of poly(*N*-isopropylacrylamide-*co*-itaconic acid) hydrogel composition on the release of lipase from *Candida rugosa*”, Biotechnology for the sustainable development, Proceedings, Belgrade, Serbia (2010) 73-76;
13. **Nikola Milašinović**, Melina Kalagasidis Krušić, Zorica Knežević-Jugović, Jovanka Filipović, “The synthesis of *n*-amyl isobutyrate catalyzed by lipase immobilized on the copolymer hydrogel of *N*-isopropylacrylamide and itaconic”, XLVIII Meeting of Serbian Chemical Society, Proceedings, Novi Sad, Serbia (2010) 200-203;
14. Bojana Vidović, Brižita Đorđević, Čedo Miljević, Dušica Lečić-Toševski, **Nikola Milašinović**, Ivanka Miletić, “Nutritional Status and Components of Metabolic Syndrome in Patients on Atypical Antipsychotics Therapy”, V Congress of Pharmacists of Serbia with International Participation, Archive of Pharmacy, Belgrade (2010) 1140-1141;
15. Melina Kalagasidis Krušić, **Nikola Milašinović**, Zorica Knežević-Jugović, Jovanka Filipović, “Effect of pH and temperature on immobilized *Candida rugosa* lipase activity in poly(*N*-isopropylacrylamide-*co*-itaconic acid) hydrogel”, XLVII Meeting of Serbian Chemical Society, Proceedings, Belgrade, Serbia (2009) 176-179;
16. **Nikola Milašinović**, Melina Kalagasidis Krušić, Zorica Knežević, Jovanka Filipović “Effect of composition of poly(*N*-isopropylacrylamide-*co*-itaconic acid) hydrogel on immobilized *Candida rugosa* lipase activity”, XLVI Meeting of Serbian Chemical Society, Proceedings, Belgrade, Serbia (2008) 63-66;

17. **Nikola Milašinović**, Nedeljko Milosavljević, Melina Kalagasidis Krušić, Zorica Knežević, Jovanka Filipović, "Immobilization of *Candida rugosa* lipase on hydrogels of *N*-isopropylacrylamide and itaconic acid", XLV Meeting of Serbian Chemical Society, Proceedings, Novi Sad, Serbia (2007) 61-64.

*Abstracts:*

1. Bojana Vidovic, **Nikola Milašinović**, Bojana Vidovic, Bojan Čalija, Milkica Crevar Sakač, Zorica Vujić, Jela Milić, Brižita Đorđević, Melina Kalagasidis Krušić, Zorica Knežević-Jugović, "Preparation of  $\alpha$ -lipoic acid/chitosan microparticle conjugate and its *in vitro* antioxidative activity", 12th European Nutrition Conference (FENS), Berlin, Germany (2015), Ann Nutr Metab 2015; 67.
2. Bojana Vidovic, Margarita Dodevska, **Nikola Milašinović**, Uros Cakar, Vanja Todorovic, Ivan Stankovic, Brižita Đorđević, "Dietary total antioxidant capacity and polyphenols intake in Serbian university students", Ann Nutr Metab 2015; 67.
3. Ivan Terzić, Marija Lučić Škorić, **Nikola Milašinović**, Nedeljko Milosavljević, Jasna Ivanović, Irena Žižović, Melina Kalagasidis Krušić, "Supercritical CO<sub>2</sub> impregnation of chitosan based xero- and aerogels with thymol", International Symposium on Amphiphilic Polymers, Networks, Gels and Membranes, Book of Abstract, Budapest, Hungary, (2015), 69.
4. Marija Lučić Škorić, Nedeljko Milosavljević, Marija Radoičić, Zoran Šaponjić, Maja Radetić, **Nikola Milašinović**, Melina Kalagasidis Krušić, "Immobilization of TiO<sub>2</sub> nanoparticles onto chitosan-based microparticles for photodegradation of C.I. Acid Orange 7", International Symposium on Amphiphilic Polymers, Networks, Gels and Membranes, Book of Abstract, Budapest, Hungary, (2015), 70.
5. **Nikola Milašinović**, Zorica Knežević-Jugović, Nedeljko Milosavljević, Marija Lučić Škorić, Jovanka Filipović, Melina Kalagasidis Krušić, Production of *n*-amyl isobutyrate using lipase from *Candida rugosa* immobilized into *N*-isopropylacrylamide and itaconic acid hydrogel, LI Savetovanje srpskog hemijskog društva, Zbornik radova, Beograd, Srbija (2014), 83.
6. **Nikola Milašinović**, Nedeljko Milosavljević, Marija Lučić, Zorica Knežević-Jugović, Melina Kalagasidis Krušić, "Chitosan/Gelatin based hydrogels for controlled release of lipase form *Candida rugosa*", 8<sup>th</sup> International Conference of the Chemical Societies of the South-East European Countries, Book of Abstracts, Belgrade, Serbia (2013) p. 222;
7. Marija Lučić, **Nikola Milašinović**, Nedeljko Milosavljević, Bojana Vidović, Jelena Antić Stanković, Melina Kalagasidis Krušić, "Chitosan-based hydrogels containing silver for antimicrobial application", 8<sup>th</sup> International Conference of the Chemical Societies of the South-East European Countries, Book of Abstracts, Belgrade, Serbia (2013) p. 219;
8. Marija Lučić, **Nikola Milašinović**, Nedeljko Milosavljević, Jovanka Filipović, Melina Kalagasidis Krušić, "Synthesis of chitosan-based superabsorbing hydrogels", 1<sup>st</sup> International Conference of Young Chemists of Serbia, Book of Abstracts, Belgrade, Serbia (2012) p. 75;
9. Marija Lučić, Nedeljko Milosavljević, **Nikola Milašinović**, Jovanka Filipović, Melina Kalagasidis Krušić, "Superporous Hydrogels of Chitosan, Itaconic Acid and Methacrylic Acid", 14. Godišnja Konferencija – YUCOMAT 2012, Book of Abstracts, Herceg Novi, Montenegro (2012) p. 98;
10. **Nikola Z. Milašinović**, Jovanka M. Filipović, Zorica D. Knežević-Jugović, Melina T. Kalagasidis Krušić, "Ester production using lipase from *Candida rugosa* immobilized into poly(*N*-isopropylacrylamide-*co*-itaconic acid) hydrogel", L Meeting of Serbian Chemical Society, Book of Abstracts, Belgrade, Serbia (2012) p. 124;
11. **Nikola Milašinović**, Melina Kalagasidis Krušić, Zorica Knežević, Jovanka Filipović, "The application of pH-sensitive hydrogels of itaconic acid for controlled release of lipase from *Candida rugosa*", "Cleaner Technologies and New Materials – Sustainable Development", Faculty of Technology and Metallurgy, Belgrade, Serbia (2008) p. 69;
12. Nedeljko Milosavljević, **Nikola Milašinović**, Melina Kalagasidis Krušić, Jovanka Filipović, "Synthesis of hydrogels of itaconic acid and chitosan", XLV Meeting of Serbian Chemical Society, Book of Abstracts, Novi Sad, Serbia (2007) p. 114;
13. Nedeljko Milosavljević, **Nikola Milašinović**, Melina Kalagasidis Krušić, Zorica Knežević, Jovanka Filipović, "Immobilization of lipase on hydrogels based on *N*-isopropylacrylamide and itaconic

acid”, XIV Symposium of Chemistry and Technology of Macromolecules, MAKRO 2006, Vršac, Serbia (2006) p. 48.