



## Kemija u industriji

Časopis kemičara i kemijskih inženjera Hrvatske

## Predstavljanje novih članova Uredničkog odbora Kemije u industriji



**ŠIME UKIĆ** was born on March 27, 1979 in Šibenik, Republic of Croatia. In 2004, he graduated from the Faculty of Chemical Engineering and Technology at the University of Zagreb. Having graduated, he was employed at the same faculty in the Department of Analytical Chemistry, where he works today. In 2009, he received his PhD in the field of chemistry on the development of a mathematical model for simulation of the response in ion chromatographic analysis; was promoted to assistant professor in 2012, and associate professor in 2017. Šime's scientific interests include analytical chemistry, chemometrics, and water chemistry. Recently, he has been focused on the problem of emerging contaminants in the environment. He is author of numerous publications in prestigious scientific journals and conference proceedings; Member of the Croatian Society of Chemical Engineers and Technologists, where, until recently, he was the President of the Chromatography Section. As of September 2021, he is one of the editors-in-chief of the Chemistry in Industry journal.

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**DAJANA KUČIĆ GRGIĆ** was born on December 4, 1986 in Rijeka. She attended elementary and high school in Cres. In 2005, she enrolled at the Faculty of Chemical Engineering and Technology at the University of Zagreb, and graduated in 2010. In the same year, she was employed in the Department of Chemistry at the Faculty of Graphic Arts, University of Zagreb. Since 2011, she has been employed as an assistant at the Faculty of Chemical Engineering and Technology, University of Zagreb, Department of Industrial Ecology. In the same year, she enrolled in the postgraduate study of Chemical Engineering, and defended her PhD thesis on December 8, 2014. In 2015, she was appointed as postdoctoral researcher, and in 2018 as assistant professor in the area of technical sciences, scientific field of chemical engineering.

Dajana's research work relates to biological treatment of waste streams. She has actively participated in several national and international scientific projects; has published 43 scientific papers in scientific journals indexed in WoSCC (Web of Science Core Collection), 4 scientific papers in scientific journals represented in other bibliographic databases, and 29 scientific peer-reviewed papers in conference proceedings. She was co-editor of conference proceedings, book of abstracts, and has been guest editor of the Chemistry in Industry and Cabeq journals. Dajana has been editor of the Chemistry in Industry journal since September 2021; participated in more than 40 national and international scientific conferences, as well as presented several lectures at national and international conferences; has reviewed more than 60 papers for reputed journals, and has published several professional articles; is co-author of several conceptual projects and studies, and leader of two collaborations with industry. Dajana attended three months of advanced scientific training, and was leader of several workshops, member of the scientific-organisational committees, secretary of conferences. She is member of the Croatian Microbiological Society and the Croatian Society of Chemical Engineers and Technologists; supervisor of several graduate theses; teaches the courses of Ecology, Ecotoxicology, Application of Ecotoxicology, Chemistry in Environmental Protection, Chemical and Biochemical Processes in Soil and Sediment and Composting of Waste.

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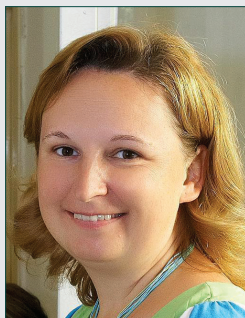
**ELVIS AHMETOVIĆ** has been working as a Full Professor in Chemical Engineering at the University of Tuzla, Faculty of Technology, since 2017. He obtained his B.Sc. and M.Sc. degrees in Chemical Engineering in 1998 and 2002, respectively, and his Ph.D. degree in Process Engineering in 2005. After working at the University of Tuzla as an assistant in chemical engineering (1999–2004), he was promoted to higher positions, a senior assistant (2004–2006), assistant professor (2006–2011), associate professor (2011–2017), and to full professor (2017). In 2007/2008 and partially in 2009, he was Vice-Dean for Education and Students Affairs at the Faculty of Technology (Tuzla). In 2008/2009, he was a Fulbright Visiting Scholar at the Carnegie Mellon University, PA (U.S.), and a JoinEU–SEE scholar in 2011/2012 at the University of Maribor (Slovenia). He was awarded in 2011 and 2019 by the DAAD, and in 2012 by the EM2–STEM. Elvis was employed as visiting professor in 2014/2015 at the University of Maribor, Faculty of Chemistry and Chemical Engineering. He participated in Erasmus+ mobilities, and delivered lectures at universities in Finland and Turkey. Elvis's research interests are related to the analysis, synthesis, and design of chemical processes, water and energy integration, and process optimisation. He is author or co-author of 7 books, 3 book chapters, and over 100 papers published in journals and conference proceedings, and presented at conferences held in Europe, the United States of America, and China. His papers have been cited more than 1060 times, his h-index is 17, and i10-index is 19. In 2012, Elvis received the best paper award at the SDEWES Conference. His research paper published in the AIChE Journal is one of the most cited papers since 2011. In 2021, he was awarded the Federal Award for Science by the Government of the Federation of Bosnia and Herzegovina. Elvis has been reviewer for 17 international journals, and member of the Scientific Advisory Boards of 20 international conferences; member of the American Institute of Chemical Engineers since 2009; member of the Senate of the University of Tuzla (2017–2021); guest editor for the Frontiers. He has been an invited speaker and participant at international conferences held in Europe, the United States of America, and China, as well as leader and/or participant in bilateral and international research projects. Currently, he is leader of three international projects at the University of Tuzla.

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**VESNA ANTOSKA KNIGHTS** is university professor at the Faculty of Technology and Technical Sciences – Veles, University “St Clement Ohridski” – Bitola, Republic of North Macedonia. Her field of science and classification include mathematical modelling, mathematical statistics and operational research, applied mathematics, and automatization. Her teaching subjects are Mathematics, Mathematics 1, Mathematics 2, Statistics, Modelling and Optimisation, Automation and Control of Systems. Current position also held: Head of Council of the Doctoral (Third Cycle of) Studies at the Faculty of Technology and Technical Sciences, Veles. Vesna has excellent knowledge of computer science Mat-Lab and Symulink, application of simulation software CFX-TASCflow for numerical simulation of flow in turbomachinery, and application of simulation software, with fluent knowledge of programming C#. She has published a significant number of scientific papers, which can be found in Web of Science, Scopus, etc. Vesna is participant in many EU projects such as European Regional Development Fund of the BalkanMed programme, Benefit if you Save 2017. Subsidy contract code <BMP1/2.2/2265/2017> MIS code <5011449>, EU – Twining project: Developing Cooperation Between Higher Education Institutions, the Private Sectors and Relevant Public Bodies. MK 13 IPA SO 01 16 R. 2017, EU -Twining project: Further Improvement of the System for Development and Implementation of the National Qualifications Framework. IPA SO 02 15. 2017, FP7/2007–2013 – Challenge 2 – ‘Cognitive Systems, Interaction, Robotics’ – no. 231864 – ECCEROBOT. (www.eccerobot.org); EU – TEMPUS project: FOOD-LINKS, 158714 – TEMPUS – ES – TEMPUS -JPHEs (www.foodlinks.eu), World Bank project FY09, Macedonia Conditional Cash Transfer Project (CCTP), Ministry of Labour and Social Policy, R.Macedonia, 2008 – Statistical German Twining project: Standardization of metadata exchange, 2008. Statistical Sweden Twining project: UML (Unified Modeling Language) – (Draft and development of special statistical software), 2008. EU Statistical project – SIDA: Environmental statistic, 2007, State Statistical Office, R. Macedonia, 2007. DAAD project, SimLab – Parallel Numerical Simulation, Belgrade, 2004. DAAD project, SimLab – Parallel Numerical Simulation, Faculty of Technical Sciences, University St. Kliment Ohridski, Bitola, 2003. Currently, she is member of the Management Committee of COST project – Determinants of Physical Activities, Participating actions CA19101.

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**DANIJELA AŠPERGER** was born on December 22, 1973 in Zagreb. In 1992, she enrolled at the Faculty of Chemical Engineering and Technology (FCET) at the University of Zagreb, and graduated in 1998. In 1999, she was employed in the Department of Analytical Chemistry at the FCET. In the same year, she enrolled in the postgraduate study of Engineering Chemistry, and defended her Master thesis 2003, and PhD thesis in 2007, upon which she was appointed as a postdoctoral researcher. During her postdoctoral studies, she stayed for three months in Barcelona, Spain. In 2009, she was appointed to assistant professor, then in 2013, associate professor, and lastly in 2019, full professor in the field of natural sciences (analytical chemistry). Danijela's research work relates to analytical methods (chromatography, spectrometry) in analysis of environmental samples, sample preparation in the determination of inorganic and organic analytes, bioanalytical methods of toxicity determination. She has actively participated in several national and international scientific projects; so far, has published 42 scientific papers in scientific journals indexed in CC (Current Contents), 8 scientific papers in scientific journals represented in other bibliographic databases, and 14 scientific peer-reviewed papers in conference proceedings; was co-editor of a book of abstracts, and guest editor of the Separation 2021 journal. She has been on the editorial board of the Journal of Chromatography Research since 2019, and of the Chemistry in Industry journal since 2022. Danijela has participated in more than 50 national and international scientific conferences where she has presented several lectures; reviewed more than 70 papers for journals, published several professional articles, and is co-author of 6 books chapters. She has established professional cooperation with several museums in the field of cultural heritage preservation. Danijela was member of several organising and scientific committees at conferences; is member of the Croatian Society of Chemical Engineers and Technologists; was supervisor of more than 60 graduate theses. She teaches courses at the FCET and Croatian Military Academy (Instrumental Analytical Chemistry, Characterization of Materials, Non-Destructive Methods of Chemical Analysis in Art and Archeology, Quality Management, Chemical-Physical Water Treatment, Modern Methods of Analysis and determining the structure of compounds).

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**DAMIR BARBIR**, Assoc. Prof., was born in Metković on January 13, 1983. In Staševica, he attended elementary school Fra Ante Gnječ. In 2001, he graduated high school in Vrgorac, and in 2007, he graduated from the Faculty of Chemistry and Technology in Split. In 2008, he enrolled in the Postgraduate Doctoral Study in Chemical Engineering in Materials Development and Environmental Protection within the scientific project "Cement Composites and Stabilization of Hazardous Waste" under the supervision of Prof. Petar Krolo. Damir defended his doctoral thesis entitled "Study of the impact of harmful wastes on hydration processes and physicochemical and mechanical properties of cement composites" under the mentorship of Prof. Pero Dabić in 2013. Since 2008, he has been working at the Department of Inorganic Technology of the Faculty of Chemistry and Technology. His scientific work includes research on the possibility of solidification and stabilisation of harmful waste in cement composites. Recent research is focused on the synthesis and optimisation of working conditions of modern inorganic materials such as the production of silica gel by sol-gel process, suspension of nanometer particles of iron oxides (ferrofluids), and synthesis of silver colloids from solution by reduction with various natural substances. Damir has published 19 original scientific papers and presented the results of his scientific research through 22 presentations at national and international scientific conferences. He was member of the International Organising Committee of the 3<sup>rd</sup> Croatian-Slovenian Symposium on Zeolites, Trogir, Croatia, 2010, and member of the Scientific Committee at the 12<sup>th</sup> Tehnologijada, Trogir, May 7–13, 2018. He actively participates in reviewing scientific papers for publication in journals where he has so far reviewed 9 scientific papers. He was member of the review panel for the Composite Materials journal (April 20, 2017 – April 20, 2019). He is president of the Association of Chemical Engineers and Technologists, Split, and member of the ALUMNI KTF and the Croatian Zeolite Association.

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**MATIJA CVETNIĆ** was born on July 29, 1991 in Zagreb. He attended elementary and secondary education in Velika Gorica. In 2010, he enrolled in the undergraduate university study of Chemical Engineering at the Faculty of Chemical Engineering and Technology, University of Zagreb (FCET), and after completing the undergraduate study, he went to the graduate study of Chemical Engineering at the same faculty. During his graduate study, he received two Dean's Awards for prestigious student research work. He completed his graduate studies in 2015, after which he was employed as research assistant at the Department of Analytical Chemistry at FCET and went on to the doctoral study of Chemical Engineering and Applied Chemistry. He received his PhD on January 18, 2019, with the thesis: "Modeling the photooxidative decomposition of priority pollutants in water."

In addition to the research part, Matija studied teaching at the Department of Analytical Chemistry at FCET, participates in the performance of student final and graduate theses, where he has led 27 papers as direct supervisor. From 2016 to 2019, he has been member of the project team of the Croatian Science Foundation project: Modeling environmental aspects of advanced water treatment for the decomposition of priority pollutants (IP-09-2014-7992) under the leadership of Prof. Tomislava Bolanče, DSc. Since 2019, he has been participating actively in the AdWaTMiR project Advanced Water Treatment Technologies for Microplastics Removal under the leadership of Prof. Tomislav Bolanča, DSc., funded by Croatian Science Foundation. In the spin-off company, Comprehensive Water Technology d.o.o., he participated in the implementation of 20 professional projects. In the form of scientific activity, he has participated in more than 60 conferences (gave 6 oral presentations), and co-authored 34 scientific publications cited in the Web of Science database.

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**VLATKA FILIPOVIĆ MARIJIĆ** works at the Ruđer Bošković Institute in Zagreb. From the Faculty of Science, University of Zagreb, in 2000, she gained her BSc. degree in Biology (Ecology Division) followed by her MSc. degree in Oceanology, and PhD. degree in Biology. She currently works in the Laboratory for Biological Effects of Metals, Division for Marine and Environmental Research, as senior research associate, whose research covers the field of ecotoxicology and environmental parasitology. She is involved in many environmental risk assessment projects, particularly monitoring aquatic ecosystem exposure to metals and microplastics, and their uptake and accumulation in organisms. Selected organisms such as fish, bivalves, crustaceans, and parasites are used as bioindicators of pollution effects by estimating biological changes (biomarkers), while experimental organisms (algae, crustaceans) are included in her toxicity testing research. She is project leader of a number of scientific, popular science, and commercial projects, including freshwater (Croatian Science Foundation project "Integrated evaluation of aquatic organism responses to metal exposure: gene expression, bioavailability, toxicity and biomarker responses", 2020–2024), and marine ecosystems (project "Cooperation between fishermen and scientists in Gradac municipality" under Action I.3. Partnerships between scientists and fishermen under the European Union priorities "Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge-based fisheries", 2020–2022).

Vlatka's research has resulted in a number of publications and congress participations available at the link below. She has received several national and international awards and grants, is member of many organising committees, scientific boards, and syndicate committee of the Ruđer Bošković Institute. Besides her scientific work, she is also active in the popularisation of science, by coordinating the Ruđer Bošković Institute Open Days, and many other popular science workshops and projects, for which she has received annual awards from the Ruđer Bošković Institute (2015, 2016, 2018), and the National Science Award in the field of popularisation of science (2019).

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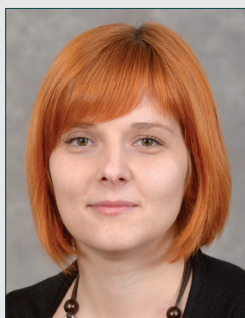
**TATJANA GAZIVODA KRALJEVIĆ** is associate professor at Department of Organic Chemistry, Faculty of Chemical Engineering and Technology at University of Zagreb. She graduated at Faculty of Chemical Engineering and Technology in 2000 and obtained PhD in Chemistry from the Faculty of Science, University of Zagreb in 2007. She was vice-dean for education at Faculty of Chemical Engineering and Technology from academic year 2017/2018 to 2020/2021; teaches several undergraduate, graduate, and postgraduate study courses: Organic Chemistry, Heterocyclic Chemistry, Organic Chemistry in Drug Development, Structure Determination of Organic Compounds, Process Analytical Technology, Modern Methods in Organic Chemistry, Heterocycles: current and future perspectives, Modern Approach to Organic Synthesis and Medical Chemistry. In addition, Vlatka teaches several undergraduate study courses in Military Engineering, University of Zagreb. She was mentor of more than 40 master and final thesis work, and 5 doctoral thesis in progress. In 2014, she was awarded by the Ministry of Defence of the Republic of Croatia for development of military study programs.

Tatjana's scientific area is synthetic, organic and medicinal chemistry with research interest focused on development, green synthesis, and structural characterisation of novel biological active heterocyclic compounds. She has published 34 research papers in peer-reviewed journals cited over 600 times, together with 1 university textbook Basics of Chemistry of Heterocyclic Compounds, and is co-author of 2 patents; has participated with posters and lectures in more than 50 national and international scientific conferences; has been leader or collaborator on several national and international scientific projects and professional projects in collaboration with industry. She has reviewed more than 80 papers for reputed journals in organic, bioorganic, medicinal, and multidisciplinary chemistry.

She is member of numerous committees of the University of Zagreb and the Faculty of Chemical Engineering and Technology, as well as the Croatian Chemical Society and the Croatian Society of Chemical Engineers and Technologists.

Tatjana has also participated in the organisation of numerous events and workshops for popularisation of science.

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**ANA JURINJAK TUŠEK** was born on June 2, 1984 in Zagreb. She is married and mother of two children. In 2007, she graduated biotechnology, and received her PhD in 2013 with the thesis "Development of catechol biotransformation process in a microreactor", from the University of Zagreb, Faculty of Food Technology and Biotechnology. In 2016, she completed training as a project manager for EU funds, and in 2017 was elected assistant professor at the Faculty of Food Technology and Biotechnology, Department of Process Engineering, Laboratory of Measurements, Automation and Regulation. As part of her scientific training, she spent 3 months at the Faculty of Chemistry and Chemical Technology, University of Maribor, Slovenia. For her scientific work, Ana was awarded the Annual Reward for Published Scientific Work (Society of University Teachers and Other Scientists Zagreb, 2018), Croatian Woman of Influence Award (for the field of science, The Croatians Women Network, 2018), Silver Medal for Innovation at the 14<sup>th</sup> International Innovation Exhibition, ARCA (2016), Fellowship for Women in Science (L'Oreal and UNESCO, 2013) and Rector's Award (University of Zagreb, 2007). She is member of the Croatian Microbiological Society, Croatian Society of Biotechnology and Croatian Society of Chemical Engineers.

Her scientific interests include the application of modelling methodology in biotechnology and food technology. Ana was project leader of 2 scientific projects (supported by EU social funds; Project: Application of microreactors in the analysis of antioxidant activity of medicinal plants (MICRO-AA)), and team member of 10 scientific projects (4 international and 6 national). From 2009–2012, she was member of the project team (Sustainable bioseparation process, funding: Croatian Science Foundation, Project leader: Bruno Zelić, PhD), the first one in Croatia dealing with the application of microreactor systems in chemical and biochemical engineering. Meanwhile, she has published 51 scientific papers in WOS cited journals, 14 scientific papers in journals cited by other databases, 10 book chapters, and 17 scientific papers published in proceedings of scientific conferences, and has participated with 91 presentations (invited talks, oral and poster presentations) in national and international scientific conferences. She was member of the organising committees for two international conferences.

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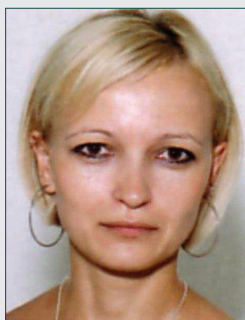
**ZVONIMIR KATANČIĆ** was born in Zagreb in 1980. He graduated from the University of Zagreb, Faculty of Chemical Engineering and Technology (FCET) in 2005, where he received his PhD in 2013 with the thesis *Effect of modified nanofillers on thermal stability of polystyrene nanocomposites*. He began his work at FCET, Department of Polymer Engineering and Organic Chemical Technology as research assistant in 2007, and became assistant professor in 2019. He teaches courses from the fields of polymer materials engineering and environmental protection. His scientific work is devoted to the flammability, fire retardancy, degradation and stability of polymers and composites, their miscibility, morphology, and physical and mechanical properties. He also studies the recycling of polymer materials, preparation and characterisation of wood-plastic composites, and in recent years, conductive polymers for photocatalysis and flexible electronics. Zvonimir has participated in two projects funded by the Ministry of Science, Education and Sports, two research projects funded by the Croatian Science Foundation, and is currently leader of the Croatian Science Foundation installation research program *Molecular Tailoring of Stretchable and Healable Conductive Polymers for Wearable Electronics (SHaPes)*. He was secretary of the international scientific conference *4<sup>th</sup> International Symposium on Environmental Management – Towards Circular Economy (SEM2016)*, and secretary of the *24<sup>th</sup> Croatian Meeting of Chemists and Chemical Engineers (24HSKIKI)*. Twice he was visiting researcher at the University of Auckland, New Zealand, Faculty of Science, School of Chemical Sciences. He is the author of 1 book, 1 book chapter, and 36 research papers, 30 of which have been published in tertiary publications.

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**MIHONE KEROLLI MUSTAFA** is the College Director and Professor at Environmental and Agriculture Department at IBC-M. She has been working in the field of environment, chemical engineering, citizen science engagement, business innovation, and knowledge exchange with several institutions in the region. This has involved work on several projects, some of which have been funded by the EU. She contributed as an environmental expert in the field of waste management, circular economy and strategy reforms in Kosovo, and for several years, has worked as research collaborator with the University of Zagreb, Croatia and adjunct professor at Rochester Institute of Technology, RIT (AUK). Mihone possesses teaching and research experience in a variety of environmental, chemical engineering, and business innovation fields; Participant in numerous national and international scientific conferences; Chair of the international scientific conference and journal editor; Registered and presented in numerous international exhibitions of innovations and inventions; Winner of several awards and recognitions; Reviewer in leading international journals; Mentor and member of commissions for application and defence of doctoral dissertations, master in science research, master projects (Croatia and Kosovo). With the support of the EU, Mihone has founded 6 theories to practice innovation labs in the region as well as the European Association of the Theory to Practice Centers for Innovation. She is specialized in green technology implementation processes with the analysis of cost impact on the total life cycle of a product or service, SEA and EIA, and serves as the EU ERA Forum coordinator for Kosovo, and is Secretary of the National Scientific Council.

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**MAJA MOLNAR**, Assoc. Prof., was born on June 6, 1980 in Vukovar, Croatia. In 2005, she graduated from the Faculty of Food Technology Osijek, and in 2011 she obtained her PhD diploma in the scientific area of biotechnical sciences, scientific field of food technology, engineering. From April 1, 2006 until October 1, 2007, she was employed in Tribo-min d.o.o., for production of dietetic and mineral products, working as production technologist and quality manager, and since October 1, 2007, she has been working at the Faculty of Food Technology. She is member of the Croatian Chemical Society. At the Faculty of Food Technology, she has been performing lectures, seminars, and laboratory exercises in General and Inorganic, and Analytical Chemistry.

Maja's research work includes organic synthesis of heterocyclic compounds with potential biological activity. The focus of her research is the application of green synthetic methods in coumarin, quinazolinone, rhodanine, triazole synthesis. Her doctoral thesis was performed on the synthesis of coumarin derivatives and their antifungal investigation. She spent 6 months in Chemistry Institute, Christian Doppler Laboratory for Microwave Chemistry, Graz, Austria, working on the microwave synthesis of heterocyclic compounds; spent 3 months at the University of Natural Resources and Life Sciences, Department of Chemistry, Division of Organic Chemistry, Chair for Wood, Pulp and Fibre Chemistry, Vienna, Austria, where she worked on the synthesis of heterocyclic compounds and antioxidant activity determination.

Maja has been mentor researcher on one international project (NEWFELPRO), PI on one project financed by the Josip Juraj Strossmayer University of Osijek, and PI on the project financed by the Osijek Baranja County. Since 2018, she has been PI on the Installation project financed by the Croatian Science Foundation (1. 1. 2018 – 31. 12. 2022) entitled "Green Technologies in Synthesis of Heterocyclic Compounds". She has published more than 70 scientific papers and participated in various international and national conferences, and has won a national science reward for her scientific work for the year 2017.

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**VESNA OČELIĆ BULATOVIĆ** was born on November 25, 1981 in Vukovar. She graduated from the High School of Natural Sciences and Mathematics in 2000 in Zagreb. In 2006, Vesna graduated from the Faculty of Chemical Engineering and Technology (FCET) in Zagreb, and defended her doctoral thesis entitled "Rheological Properties of Polymer Modified Bitumen" in 2013 at FCET. A year later, Vesna was promoted to research associate in the area of technical sciences, scientific field of chemical engineering. From 2007 to 2018, she worked at the Department of Polymer Engineering and Organic Chemical Technology, FCET as a PhD student and a postdoctoral researcher. Since 2018, Vesna has been employed as assistant professor at the Faculty of Metallurgy, University of Zagreb, in the field of interdisciplinary technical sciences, discipline environmental engineering.

Vesna's research interests include development, preparation, and characterisation of multicomponent polymeric materials/biomaterials and composites/biocomposites (micro and nano), their biodegradation potential and environmental impact. She has actively participated in a scientific project funded by the Ministry of Science, Education, and Sports of the Republic of Croatia, z-projects (2007–2013), a project of the European Regional Development Fund, and several financial institutional grants (2014–2021) funded by the University of Zagreb. Vesna is currently associate on a research project funded by the Croatian Science Foundation and on the European Regional Development Fund project. As author and co-author, she has published 37 scientific papers in leading world journals, and 22 papers in proceedings of national and international conferences. Vesna is actively involved in encouraging cooperation and the transfer of knowledge, skills, and experiences from the university domain in the economy, through previous participation in professional projects, studies, and expertise for the industry. She brings her scientific and teaching work closer to the public through the popularisation of science by participating regularly in workshops and open days, as well as in the organisation of workshops as part of lifelong learning.

Vesna was active member of several scientific and organising committees of national and international conferences, and since 2020, she has been vice president of the international conference Ružička Days. Vesna is the proud member of the Scientific Council for Oil and Gas Economy and Energy – Croatian Academy of Sciences and Arts, member of the Supervisory Board of the Croatian Society of Chemical Engineers, member of the Association of University Teachers and Other Scientists in Zagreb, and member of Almae Matris Alumni Chemicae Ingeniariae Zagrabiensis (AMACIZ).

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**MAJA C. PAGNACCO** (maiden name Milenković) was born on January 21, 1983 in Sarajevo. She received her BSc (2008), and PhD (2013) in Physical Chemistry from the University of Belgrade, Serbia. As associate research professor (2019), Maja Pagnacco has actively participated in many basic national research projects and international scientific projects. She is employed at the University of Belgrade, Institute of Chemistry, Technology and Metallurgy, National Institute of the Republic of Serbia, Department of Catalysis and Chemical Engineering, Belgrade.

So far, Maja has published 33 scientific papers in scientific journals indexed in WoS (Web of Science), 3 scientific papers in scientific journals represented in other bibliographic databases, and more than 50 scientific peer-reviewed papers in conference proceedings. She has been supervisor of 12 graduate and bachelor students at the Faculty for Physical Chemistry, Belgrade. Currently, she is supervisor of one PhD thesis at the Faculty of Science, Kragujevac. Maja cooperates with the Regional Centre for Talented Youth, and so far has been mentor of 16 young students (elementary and high school), two of which have won first place at national chemistry competitions. She is an active member of the Society of the Physical Chemists of Serbia, as well as of the Serbian Chemical Society.

Main fields of interest: halogen chemistry, nonlinear dynamics, oscillatory reactions, catalytic and antioxidant activity, kinetics, mechanism and model investigation, and spectroscopic techniques (UV-VIS, EPR, IR, Raman). Specialty: iodine chemistry.

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**ALEKSANDRA SANDER** was born on March 24, 1969 in Zagreb. She attended primary and secondary school in Zagreb; received MEng and PhD degrees in Chemical Engineering in 1999 and 2003, respectively, from the Faculty of Chemical Engineering and Technology (FCET), University of Zagreb, Croatia. Since 1994, she has been working at the Department of Mechanical and Thermal Process Engineering at FCET, and was elected full professor in 2011.

Aleksandra has published around 50 papers (journal articles and conference papers), and participated in 42 international and national conferences. She cooperated in the execution of several national science projects supported by the Croatian Ministry of Science and Technology, the Croatian Science Foundation and European Regional Development Fund, Operational Programme Competitiveness and Cohesion 2014-2020. She was leader of a research project supported by the Croatian Academy of Sciences and Arts; member of the Committee for Self-analysis of the Faculty of Chemical Engineering and Technology, member of the Expert Working Group of the Faculty on the project "TARGET – Uspostava visokoobrazovnih standarda kvalifikacija i zanimanja u sektoru rudarstva, geologije i kemijske tehnologije"; member of the working group on the EU project: "Prirodoslovna lepeza za mlade znanstvenike – suvremena nastava za izazove tržišta" (2015–2016); Participated in the project "UP.04.2.1.10 Formula za znanost, Pozor! – Projekti i obrazovanje za održivi razvoj".

Aleksandra was president of the scientific organising committee for two national conferences, and member of the scientific organising committee for three national and two international conferences. She is member of the Croatian Society of Chemical Engineers.

She was involved in implementing professional studies and analyses in the field of thermal process engineering and environmental protection.

Aleksandra is author of several entries in the Technical Lexicon and an article in the Croatian Technical Encyclopedia, The Miroslav Krleža Institute of Lexicography.

Her research interest includes thermal separation processes such as drying, crystallisation and liquid-liquid extraction.

She is the lecturer of several undergraduate courses related to thermal process engineering and unit operations, and one course in postgraduate studies.

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**DANIJELA SKROZA** was born in Split on October 2, 1983. She graduated from the Faculty of Chemistry and Technology at the University of Split in 2007, and in 2015 defended her doctoral thesis entitled “The effect of selected phenolic compounds on antioxidant and antimicrobial activity of resveratrol in binary phenolic mixtures” at the Faculty of Food Technology and Biotechnology at the University of Zagreb. She started working as research novice at the Department of Food Technology and Biotechnology at the Faculty of Chemistry and Technology in 2009, and since 2019 has been assistant professor. As an ERASMUS scholar and associate on a bilateral project, in 2010, she completed her 4-month training at the University of Ljubljana at Biotechnical Faculty, Department of Microbiology. She is lecturer of several courses of undergraduate and graduate university studies of food technology.

Danijela’s field of interest is food technology, isolation, and characterisation of bioactive compounds, chromatography, and food microbiology. She has published more than 40 scientific and professional papers, 33 of which are cited in Current Contents database. As associate, she has participated in the realisation of one scientific research national project, two research projects of the Croatian Science Foundation, and two bilateral projects. Currently, she is researcher on the European Prima project “Bioprotective cultures and bioactive extracts as sustainable combined strategies to improve the shelf life of perishable Mediterranean food” (BioProMedFood).

Danijela won a reward for young scientists from Faculty of Chemistry and Technology for her success in scientific research in 2014. In 2016, she participated in the organising committee of the Food for Health Congress. Since 2020, she has been head of the Department of Food Technology and Biotechnology.

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**ANITA ŠALIĆ** was born on September 28, 1984 in Banja Luka. She graduated from secondary school in Zagreb. In 2003, she enrolled Biotechnology and Molecular Biotechnology at the Faculty of Food Technology and Biotechnology, University of Zagreb. She graduated in 2009 with a BSc in Biotechnology and another in Molecular Biotechnology. Since 2009, she has been working in the Department of Reaction Engineering and Catalysis at the Faculty of Chemical Engineering and Technology, University of Zagreb (Faculty) as junior researcher. In 2009, she enrolled postgraduate study Chemical Engineering at same Faculty. She graduated in 2015 and received her PhD in area of Technical Sciences in scientific field of chemical engineering.

During her research work at the Faculty, Anita has co-authored 33 original scientific papers, 5 review papers, 1 professional paper, 2 papers in other journals, and 5 book chapters. She has actively participated in several national and international scientific conferences where she has delivered 57 presentations. According to Google Scholar, her papers have been cited 541 times with an h-index 15.

Anita co-edited 2 proceedings (one national and one international conference), and was member of the scientific and/or organising committees of three national and three international conferences. In 2012, she spent three months at the Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia.

For her work so far, Anita has received the Young Chemical Engineer Award presented by the Croatian Society of Chemical Engineers and Technologists for distinguished scientific contribution in the field of chemical engineering in 2014, and Annual Award of the Society of University Teachers and Other Scientists in Zagreb for the Young Scientists and Artists in 2014. In 2017, she received recognition as one of the winners of the “Influential Croatian Women” Award in the science category from the Network of Croatian Women. In 2019, she received the Croatian Annual Award for Science for young scientist in the field of technical sciences. In 2021, she was awarded the Ivan Plotnikov Prize as the best young scientist of the Faculty.

Anita is member of the Croatian Society of Chemical Engineers and Technologists and the Society of University Teachers and Other Scientists in Zagreb.

Anita is mother of three children.

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**ROBERT VIANELLO** works as senior scientist at the Ruđer Bošković Institute in Zagreb, where he leads the Laboratory for Computational Design and Synthesis of Functional Materials. He obtained his PhD in Chemistry from the University of Zagreb in 2003. In 2005, he spent 3 months at the University of Heidelberg as an Alexander von Humboldt Fellow, while, in 2010, he received a prestigious Individual FP7 Marie Curie Fellowship for an 18-month stay at the National Institute of Chemistry in Ljubljana.

Robert's research interests include the application of modern computational approaches in identifying the relationship between the structure, properties, and function of chemical and biochemical systems, with a particular focus on (i) determining the precise mechanism of chemical transformations in the gas-phase, solution and the enzyme active site, (ii) designing new materials, such as molecular sensors, biologically active ligands, strong acids and bases, and metal complexes, and (iii) investigating the activity of biological systems in the brain related to the development and progression of neurodegenerative diseases, with the idea of improving existing therapies and developing more effective drugs. Through a very broad collaboration network, he participates in many multidisciplinary experimental investigations, where he computationally supports a range of synthetic, analytical and spectroscopic activities.

Robert has published 120 research papers cited over 2.500 times, together with 2 book chapters. He has presented a number of plenary and invited lectures at conferences, as well as popularisation talks at events. He was principal investigator of many research projects of national and international foundations, as well as commercial projects with industry. He has supervised 5 diploma and 4 PhD students, and 1 postdoctoral researcher. Robert has received several prizes including two Croatian National Science Awards (2005, 2016), Branimir Jernej Foundation Award (2017), Leopold Ružička Award of the Croatian Chemical Society (2006), City of Rijeka's Public Award for Creative Work and Achievements in Chemistry (2004), and Promising Scientist Prize of the Centre for Applied Quantum Mechanics in Paris (2010). He is member of editorial boards of *Croatica Chemica Acta* (since 2010), *Frontiers in Chemical Biology* (since 2013), and *Advances in Chemistry* (since 2013), and regularly serves as a reviewer for leading journals in physical, organic, and multidisciplinary chemistry.

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**NIVES VLADISLAVIĆ** is assistant professor at the Department of General and Inorganic Chemistry, Faculty of Chemistry and Technology, University of Split, Croatia.

She was born on October 22, 1975 in Sarajevo, Bosnia and Herzegovina. On January 18, 2002, she graduated from Faculty of Chemistry and Technology, University of Split and became BSc engineer in chemical technology. On December 18, 2014, she received PhD in Chemistry at the Faculty of Chemical Engineering and Technology, the University of Zagreb, with the dissertation "Development of bismuth film-electrodes for the determination of organic compounds in aqueous medium". In 2019, she was elected assistant professor in the field of chemistry, scientific area of natural science. She teaches General Chemistry, Inorganic Chemistry for undergraduate students at the Faculty of Chemistry and Technology, and General and Inorganic Chemistry and Fundamentals of Bioinorganic Chemistry at the integrated undergraduate study of Pharmacy.

Her scientific interests are electrochemistry (voltammetric, impedance, and electroanalytical methods), UV-VIS-NIR spectroscopy and synthesis of coordination compounds.

Nives's narrower area of interest is the development of simple and economically affordable electrochemical measurement techniques for more efficient and faster monitoring of harmful components in the water systems, as well as research and development of new sensors for the identification and determination of organic and inorganic species based on carbon and carbon-modified electrodes. Her current work is focused on the synthesis and characterisation of transition metal coordination compounds, and investigation of their electrochemical properties and possible electrochemical applications of prepared coordination compounds. Her other research interests include the development of balancing redox reactions, including computer-based learning. Nives is also participating actively in a project of the Centre of Excellence in Science of the Split-Almaty County, as member of the project team and mentor.

A list of her published scientific papers, participation and presentations at national and international scientific meetings, and a list of theses (Bachelor and Graduation thesis) can be found on her personal web page <https://www.ktf.unist.hr/index.php/kontakt-3/kontakt-djelatnici/item/vladislavic-nives>.

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