

**SLOVENSKI
KEMIJSKI DNEVI
2023**



**Slovensko kemijsko društvo
Slovenian Chemical Society**

13-15 SEPTEMBER 2023

PROGRAM PROGRAMME

... ..

... ..

**KONGRESNI CENTER
GRAND HOTELA
BERNARDIN, PORTOROŽ**



Konferenca »Slovenski kemijski dnevi 2023«, osrednji letni dogodek Slovenskega kemijskega društva, bo potekala od 13. do 15. septembra 2023 v kongresnem centru Grand hotela Bernardin v Portorožu.

The 29th Annual Meeting of the Slovenian Chemical Society will be held from 13-15 September 2023 in Grand Hotel Bernardin Convention Center in Portorož-Portorose, Slovenia.

O konferenci

Konferenca »Slovenski kemijski dnevi 2023« (<https://skd2023.chem-soc.si/>) bo potekala kot tridnevni znanstveni dogodek, kjer bodo udeležencem na voljo plenarna in vabljena predavanja, predavanja udeležencev in posterske predstavitve. Organizirano bo tudi tekmovanje za najboljše študentske znanstvene prispevke; nagrajenci bodo prejeli plakete in denarne nagrade. Nagrajene študentske prispevke bosta izbrali strokovni komisiji, ki bosta delo študentov, predstavljenih v obliki predavanj in posterjev, ocenili na podlagi kvalitete oddanih povzetkov in predstavitev. Konferenco bo spremljala tudi razstava najpomembnejših slovenskih proizvajalcev in ponudnikov laboratorijske ter procesne opreme.

Uradna jezika konference »Slovenski kemijski dnevi 2023« sta slovenščina in angleščina. Zaželeno je, da so prispevki udeležencev, zaradi vabljenih udeležencev iz tujine, pripravljeni in predstavljeni v angleškem jeziku. Simultano prevajanje predavanj ne bo zagotovljeno.

Udeleženci konference »Slovenski kemijski dnevi 2023« ste v sredo, 13. septembra 2023, ob 17.30 uri vljudno vabljeni na slovesnost, na kateri bo Slovensko kemijsko društvo podelilo nagrade za najboljša diplomska, magistrska in doktorska dela s področja trajnostne kemije v zadnjih dveh letih. Nagrajencem bodo vročene diplome in denarne nagrade, ki jih sponzorira podjetje AquafilSLO iz Ljubljane.

About the meeting

The 29th Annual Meeting of the Slovenian Chemical Society (<https://skd2023.chem-soc.si/en/>) will be rounded as a three-day scientific event with plenary and keynote talks, oral presentations and poster contributions. A student paper contest will be organized as well as an integral part of the conference; the winners will be presented with plaques and cash prizes. The best contributions from students (for both oral and poster presentations) will be selected by juries, which will evaluate their work on the basis of oral and poster presentations and quality of submitted abstracts. The conference will also include the exhibition from major Slovenian manufacturers and providers of laboratory and process equipment.

The official languages of the 29th Annual Meeting of the Slovenian Chemical Society will be Slovene and English. However, it is desirable that the contributions of the attendees, due to the invited participants from abroad, are prepared and presented in English. No translation facilities will be provided.

Attendees of the 29th Annual Meeting of the Slovenian Chemical Society are cordially invited to the award ceremony on Wednesday, 13 September 2023, at 17:30, where the Slovenian Chemical Society will honour the best bachelor's, master's, and doctoral theses in the field of sustainable chemistry from the past two years. The winners will receive diplomas and cash prizes sponsored by AquafilSLO company from Ljubljana.

Organizacijski odbor / Organizing committee

znan. svet. dr. Albin Pintar (predsednik), prof. dr. Romana Cerc Korošec, prof. dr. Iztok Devetak, prof. dr. Darja Lisjak, doc. dr. Matic Lozinšek, prof. dr. Zorka Novak Pintarič, dr. Alenka Ristić, prof. dr. Matjaž Valant, dr. Silvo Zupančič, Eva Mihalinec

Prizorišče dogodka

Konferenca »Slovenski kemijski dnevi 2023« bo potekala od 13. do 15. septembra 2023 v kongresnem centru Grand hotela Bernardin v Portorožu (<https://www.hoteli-bernardin.si/si/>).

Venue

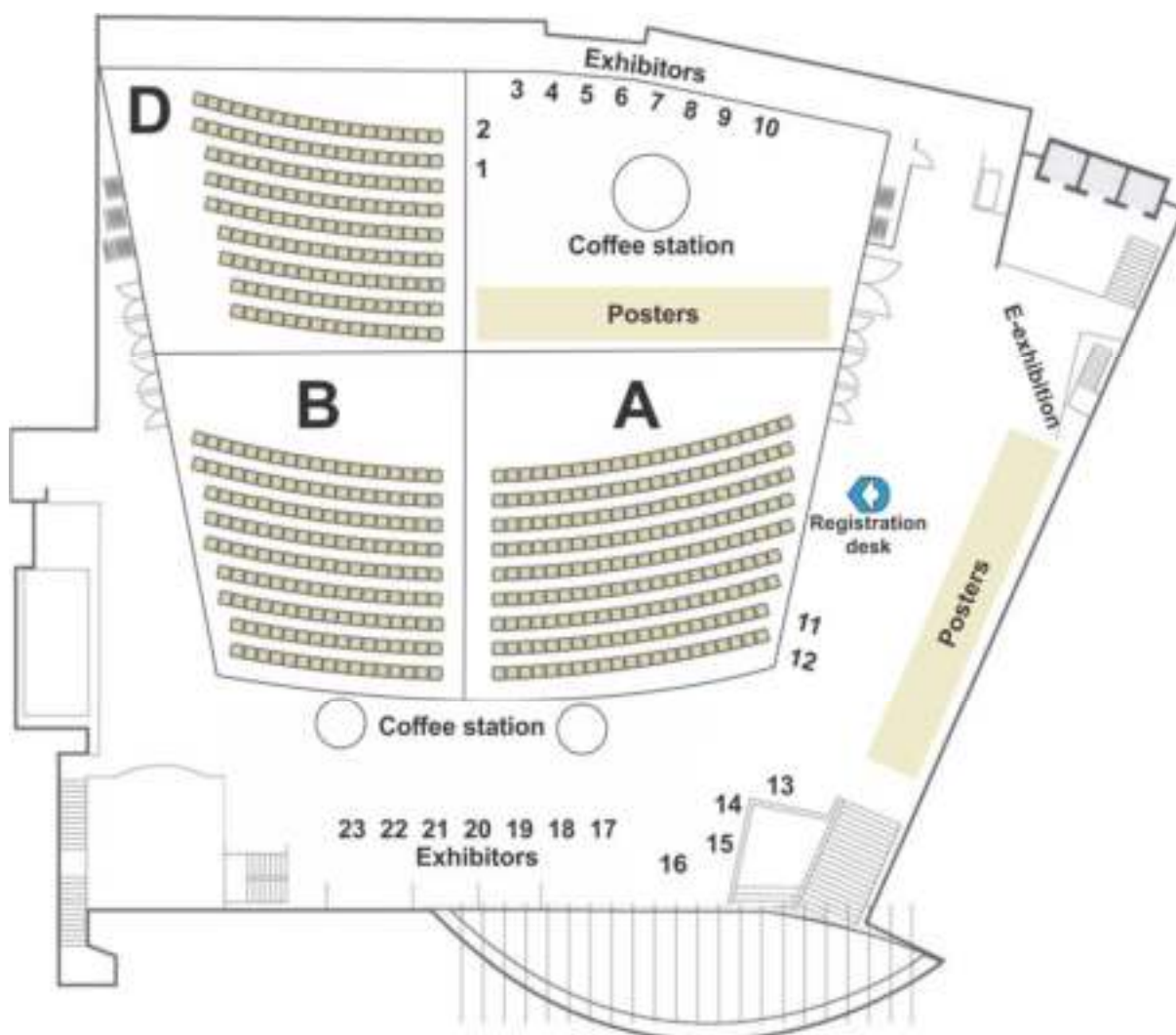
The 29th Annual Meeting of the Slovenian Chemical Society will be held from 13-15 September 2023 in Grand Hotel Bernardin Convention Center, Portorož-Portorose, Slovenia (<https://www.hoteli-bernardin.si/en/>).

Naslov / Address

Grand Hotel Bernardin, Obala 2, SI-6320 Portorož-Portorose, Slovenia
Tel.: +386 5 695 10 00 | Fax: +386 5 674 64 15 | E-mail: booking@h-bernardin.si
GPS: E 13° 34' 9", N 45° 31' 1"

Prostorski načrt / Conference plan

Dvorana Europa, 12. nadstropje / Europa Hall, 12th floor





Če želite slediti programu konference »Slovenski kemijski dnevi 2023« na mobilnih napravah in si ustvariti svoj urnik spremljanja dogodka, vas vabimo, da uporabite mobilno aplikacijo »conference4me«, ki je na voljo brezplačno v trgovinah Google Play in AppStore.

To follow the programme of the »29th Annual Meeting of the Slovenian Chemical Society« on mobile devices and schedule your agenda, you are invited to use the »conference4me« mobile app available for free in stores Google Play and AppStore.

KRATEK PROGRAM / PROGRAMME AT A GLANCE

sreda, 13. september 2023 / Wednesday, 13 September 2023

12:00	Registracija s pijačo dobrodošlice Registration & welcome drink		
14:00	Otvoritev Opening		
14:10	<i>Chair: S. Kovačič</i> PL 1 E. Górecka		
15:05	Kratek odmor - Short break		
15:10	<i>Chair: S. Kovačič</i> O 1 S. Kramer	<i>Chair: M. Finšgar</i> O 5 D. Majer	<i>Chair: Z. Časar</i> KL 1 N. Obermajer
	O 2 A. Ambrož	O 6 A. Hrepić	
15:50	O 3 T. Kotnik	O 7 T. Žerdoner	O 9 J. Kladnik
	O 4 I. Cazin	O 8 A. Šiško	O 10 N. Kostevšek
16:30	Poster sekcija z odmorom za kavo Poster session with coffee break		
17:30	Podelitev nagrad za najboljša študijska dela s področja trajnostne kemije Award ceremony for the best study work in the field of sustainable chemistry		
18:10	<i>Chair: A. Kokalj</i> KL 2 M. Praprotnik	<i>Chair: D. Lisjak</i> O 12 K. Motaln	<i>Chair: S. Gyergyek</i> O 15 D. Bjelić
		O 13 M. Belak Vivod	O 16 A. Siher
18:50	O 11 M. Poberžnik	O 14 A. Siljanovska	O 17 S. Nemeč
19:10	Prosto Free time		
20:00	Družabno srečanje Get-together party		



četrtek, 14. september 2023 / Thursday, 14 September 2023

8:00	Registracija Registration		
8:30	PL 2 T. Repo <i>Chair: M. Valant</i>		
9:25	Kratek odmor - Short break		
9:30	<i>Chair: J. Kladnik</i> O 18 A.E. Cotman	<i>Chair: A. Mavrič</i> O 21 D. Markova	<i>Chair: Z. Novak Pintarič</i> O 24 J. Drofenik
	O 19 B.I. Nikolova-Mladenova	O 22 R. Ravotti	O 25 A. Zupanc
	O 20 R.D. Jansen-van Vuuren	O 23 S. Nair Sindhu	O 26 L. Fele Žilnik
10:30	Odmor za kavo Coffee break		
11:00	<i>Chair: A.E. Cotman</i> KL 3 N. Kulak	<i>Chair: A. Goršek</i> O 31 G. Žerjav	<i>Chair: S. Zupančič</i> O 37 N. Vidmar
		O 32 M. Machreki	O 38 M. Eck
11:40	O 27 D. Jankovič	O 33 G. Rupprechter	O 39 N. Veronovski
	O 28 M. Lozinšek	O 34 A. Mavrič	O 40 N. Kolman
	O 29 P. Vasko	O 35 Š. Slapničar	O 41 D. Verhovšek
	O 30 L. Ciber	O 36 M. Huskić	O 42 G. Mirri
13:00	Odmor za kosilo Lunch break		
14:30	<i>Chair: A. Perdih</i> O 43 L. Gašparič	<i>Chair: G. Žerjav</i> KL 4 D. Dvoranová	<i>Chair: M. Huskić</i> O 49 G.G. Prinčič
	O 44 F. Frešer		O 50 S. Kovačič
15:10	O 45 K. Kokalj	O 47 M. Roškarič	O 51 R.D. Jansen-van Vuuren
	O 46 M. Huš	O 48 E. Encheva	O 52 A. Tufani
15:50	Predstavitev revije <i>Acta Chimica Slovenica</i> ob 70-letnici izdavanja Presentation of the journal <i>Acta Chimica Slovenica</i> on the occasion of its 70th anniversary		
16:10	Poster sekcija z odmorom za kavo Poster session with coffee break		
17:40	Prosto Free time		
19:15	Konferenčna večerja / Conference dinner		

petek, 15. september 2023 / Friday, 15 September 2023

9:10	<i>Chair: A. Ristić</i> O 53 K. Radan	<i>Chair: S. Gardonio</i> O 57 A. Škrjanc	<i>Chair: M. Leitgeb</i> KL 5 B. Likozar
	O 54 M. Virant	O 58 T. Škorjanc	
9:50	O 55 A. Meden	O 59 D. Lisjak	O 61 P. Djinović
	O 56 R. Cerc Korošec	O 60 M. Dragomir	O 62 T. Žibert
10:30	Odmor za kavo Coffee break		
11:00	PL 3 E. Heath <i>Chair: A. Žgajnar Gotvajn</i>		
11:55	Kratek odmor - Short break		
12:00	<i>Chair: A. Žgajnar Gotvajn</i> O 63 M. Nikezić	<i>Chair: N. Minovski</i> O 66 A. Kokalj	<i>Chair: D. Pečar</i> O 69 M. Žula
	O 64 T. Verovšek	O 67 T. Goričan	O 70 K. Lorber
	O 65 J. Vidmar	O 68 M. Dlouhy	O 71 T. Luxbacher
13:00	Odmor za kosilo Lunch break		
14:30		<i>Chair: M. Kolar</i> KL 6 G.J. Mohr	<i>Chair: M. Dragomir</i> O 74 S. Gyergyek
15:10		O 72 M. Rozman	O 75 S. Gardonio
		O 73 T. Verovšek	O 76 B. Podmiljšak
15:50	Kratek odmor - Short break		
16:00	Podelitev študentskih nagrad in zaključek Student awards and closing remarks		

PL – plenarno predavanje / plenary lecture (55 min)

KL – vabljeno predavanje / keynote lecture (40 min)

O – sekcijsko predavanje / section lecture (20 min)

	Dvorana Europa – posterji in razstavni prostor / Europa Hall - Posters and Exhibition
	Dvorana Europa A / Europa Hall A
	Dvorana Europa B / Europa Hall B
	Dvorana Europa D / Europa Hall D
	Družabno srečanje / Get-together party – Grand Hotel Bernardin, Cocktail lounge and piano bar (13. 9.)
	Konferenčna večerja / Conference dinner – Ploščad / Terrace International, ob hotelu Histriion / in front of Hotel Histriion (14. 9.)



PROGRAM / PROGRAMME

sreda, 13. september 2023 / Wednesday, 13 September 2023

12:00 – 14:00	Registration & welcome drink Foyer of the Grand Hotel Bernardin Convention Center (12th floor)	
14:00 – 14:10	Opening Europa Hall A (12th floor)	
14:10 – 15:05	Plenary session P1 Chairperson: Sebastijan Kovačič	Europa Hall A
14:10 – 15:05	Plenary lecture (PL 1): Chiral soft structures made of achiral molecules <u>Ewa Górecka</u> <i>Department of Chemistry, University of Warsaw, Poland</i>	
15:05 – 15:10	Short break	
15:10 – 16:30	Afternoon session A1 Chairperson: Sebastijan Kovačič	Europa Hall A
15:10 – 15:30 SPC	Section lecture (O 1): Terpenes: Molecules for sustainable materials <u>Stanko Kramer</u> , Peter Krajnc <i>Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia</i>	
15:30 – 15:50 SPC	Section lecture (O 2): Carbon nanomembranes: Concept, challenges, and prospective applications <u>Ana Ambrož</u> ¹ , <u>Hermina Bukšek</u> ¹ , <u>Thomas Luxbacher</u> ^{1,2} , <u>Irena Petrič</u> ¹ <i>¹University of Maribor, Faculty of Chemistry and Chemical Engineering, Slovenia</i> <i>²Anton Paar GmbH, Graz, Austria</i>	
15:50 – 16:10 SPC	Section lecture (O 3): Versatile π-conjugated macroporous polymers: A transition-metal-free approach <u>Tomaž Kotnik</u> , Albin Pintar, Sebastijan Kovačič <i>National Institute of Chemistry, Ljubljana, Slovenia</i>	
16:10 – 16:30 SPC	Section lecture (O 4): Spatially controlling the mechanical properties of 3D printed objects by two orthogonal photoreactions <u>Ines Cazin</u> ¹ , <u>Milena Olga Gleirscher</u> ¹ , <u>Mathias Fleisch</u> ¹ , <u>Michael Berer</u> ¹ , <u>Marco Sangermano</u> ² , <u>Sandra Schlögl</u> ¹ <i>¹Polymer Competence Center Leoben GmbH - PCCL, Austria</i> <i>²Department of Applied Science and Technology, Politecnico di Torino, Italy</i>	

15:10 – 16:30	Afternoon session B1 Chairperson: Matjaž Finšgar	Europa Hall B
15:10 – 15:30 SPC	Section lecture (O 5): The development of SWAdSV method for simultaneous determination of epinephrine and uric acid using pLC-SPCE <u>David Majer</u> , Matjaž Finšgar <i>Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia</i>	
15:30 – 15:50 SPC	Section lecture (O 6): Modeling and optimization of crater geometry in laser ablation inductively coupled plasma mass spectrometry systems <u>Antea Hrepić</u> ^{1,2} , Dino Metarapi ¹ , Johannes T. van Elteren ¹ ¹ <i>National Institute of Chemistry, Ljubljana, Slovenia</i> ² <i>Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia</i>	
15:50 – 16:10 SPC	Section lecture (O 7): Optimization of extraction of Pb nanoparticles from PM10 filters for single particle ICP-MS analysis <u>Tjaša Žerdoner</u> ^{1,2} , Janja Vidmar ^{1,2} , Tea Zuliani ^{1,2} ¹ <i>Jožef Stefan International Postgraduate School, Ljubljana, Slovenia</i> ² <i>Jožef Stefan Institute, Ljubljana, Slovenia</i>	
16:10 – 16:30 SPC	Section lecture (O 8): Stability of paper in the presence of pigment Verdigris <u>Ana Šiško</u> ¹ , Irena Kralj Cigić ¹ , Jasna Malešič ^{1,2} ¹ <i>University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia</i> ² <i>National and University Library, Ljubljana, Slovenia</i>	
15:10 – 16:30	Afternoon session D1 Chairperson: Zdenko Časar	Europa Hall D
15:10 – 15:50	Keynote lecture (KL 1): Shaping the tumor microenvironment for effective cancer immunotherapy <u>Nataša Obermajer</u> <i>Janssen R&D, Johnson and Johnson, Beerse, Belgium</i>	
15:50 – 16:10	Section lecture (O 9): Fluorescent probes for imaging amyloid β plaques: Implications for Alzheimer's disease diagnosis <u>Jerneja Kladnik</u> ¹ , Luka Rejc ¹ , Damijan Knez ² , Alba Espargaró ³ , Anže Meden ² , Lana Blinc ⁴ , Ross D. Jansen-van Vuuren ¹ , Matic Rogan ¹ , Jernej Mlakar ⁵ , Andrej Petrič ¹ , Raimon Sabaté ³ , Mara Bresjanac ⁴ , Stanislav Gobec ² , Janez Košmrlj ¹ ¹ <i>University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia</i> ² <i>Faculty of Pharmacy, University of Ljubljana, Slovenia</i> ³ <i>Faculty of Pharmacy and Institute of Nanoscience and Nanotechnology, University of Barcelona, Spain</i> ⁴ <i>Faculty of Medicine, Institute of Pathological Physiology, University of Ljubljana, Slovenia</i> ⁵ <i>Faculty of Medicine, Institute of Pathology, University of Ljubljana, Slovenia</i>	

16:10 – 16:30	<p>Section lecture (O 10): Erythrocyte-based vesicle as a biomimetic platform for drug delivery <u>Nina Kostevšek</u>¹, Giulia Della Pelle¹, Boštjan Markelc², Tim Božič², Maja Čemažar², Igor Serša³ ¹<i>Department for Nanostructured Materials, Jožef Stefan Institute, Ljubljana, Slovenia</i> ²<i>Department of Experimental Oncology, Oncology Institute, Ljubljana, Slovenia</i> ³<i>Condensed Matter Physics Department, Jožef Stefan Institute, Ljubljana, Slovenia</i></p>
16:30 – 17:30	Poster session with coffee break
17:30 – 18:10	<p>Award ceremony for the best study work in the field of sustainable chemistry Europa Hall A</p>
18:10 – 19:10	<p>Afternoon session A2 Europa Hall A Chairperson: Anton Kokalj</p>
18:10 – 18:50	<p>Keynote lecture (KL 2): Dissipative particle dynamics simulation of ultrasound propagation through liquid water <u>Matej Praprotnik</u>^{1,2} ¹<i>National Institute of Chemistry, Ljubljana, Slovenia</i> ²<i>Faculty of Mathematics and Physics, University of Ljubljana, Slovenia</i></p>
18:50 – 19:10	<p>Section lecture (O 11): A first principles investigation of the adsorption of different anchor groups on barium hexaferrite surfaces <u>Matic Poberžnik</u>¹, Gabriela Herrero-Saboya², Darja Lisjak¹, Layla Martin-Samos² ¹<i>Jožef Stefan Institute, Ljubljana, Slovenia</i> ²<i>CNR-IOM, Trieste, Italy</i></p>
18:10 – 19:10	<p>Afternoon session B2 Europa Hall B Chairperson: Darja Lisjak</p>
18:10 – 18:30 SPC	<p>Section lecture (O 12): Crystal structure elucidation of XeOF₂ <u>Klemen Motaln</u>^{1,2}, Matic Lozinšek^{1,2} ¹<i>Jožef Stefan Institute, Ljubljana, Slovenia</i> ²<i>Jožef Stefan International Postgraduate School, Ljubljana, Slovenia</i></p>
18:30 – 18:50 SPC	<p>Section lecture (O 13): Synthesis, structural and magnetic characterisation of two mixed-valence Ag(I)/Ag(II) phases <u>Matic Belak Vivod</u>^{1,2}, Graham King³, Zvonko Jagličič^{4,5}, Mirela Dragomir^{1,2} ¹<i>Electronic Ceramics Department, Jožef Stefan Institute, Ljubljana, Slovenia</i> ²<i>Jožef Stefan International Postgraduate School, Ljubljana, Slovenia</i> ³<i>Canadian Light Source, Saskatoon, Saskatchewan, Canada</i> ⁴<i>Institute of Mathematics, Physics and Mechanics, Ljubljana, Slovenia</i> ⁵<i>University of Ljubljana, Faculty of Civil and Geodetic Engineering, Slovenia</i></p>

18:50 – 19:10
SPC

Section lecture (O 14):
Crystal structures of alkali metal salts of weakly coordinating anions
Ana Siljanovska¹, Miha Virant², Matic Lozinšek², Janez Cerkovnik¹
¹*Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia*
²*Jožef Stefan Institute, Ljubljana, Slovenia*

18:10 – 19:10 **Afternoon session D2** **Europa Hall D**
Chairperson: Sašo Gyergyek

18:10 – 18:30
SPC

Section lecture (O 15):
Analysis of bioactive coatings for bone implants: Chitosan, alginate, and gelatin based coatings with incorporated flurbiprofen
Dragana Bjelić¹, Uroš Maver², Matjaž Finšgar¹
¹*University of Maribor, Faculty of Chemistry and Chemical Engineering, Slovenia*
²*University of Maribor, Faculty of Medicine, Slovenia*

18:30 – 18:50
SPC

Section lecture (O 16):
Improving the electrochemical performance of Co-based layered-double hydroxides by incorporation of M³⁺ metal ions
Anja Siher, Andraž Mavrič, Matjaž Valant
University of Nova Gorica, Materials Research Laboratory, Slovenia

18:50 – 19:10

Section lecture (O 17):
Superparamagnetic iron oxide nanochains coated with mesoporous silica as a nanodelivery platform
Sebastjan Nemec¹, Črt Dragar², Petra Kocbek², Slavko Kralj^{1,2}
¹*Department for Materials Synthesis, Jožef Stefan Institute, Ljubljana, Slovenia*
²*Department for Pharmaceutical Technology, Faculty of Pharmacy, University of Ljubljana, Slovenia*

19:10 – 20:00 **Free time**

20:00 – 22:00 **Get-together party**
Grand Hotel Bernardin, Cocktail lounge and piano bar

Legend: SPC – Student paper contest

četrtek, 14. september 2023 / Thursday, 14 September 2023

8:00 – 8:30	Registration Foyer of the Grand Hotel Bernardin Convention Center (12th floor)	
8:30 – 9:25	Plenary session P2 Chairperson: Matjaž Valant	Europa Hall A
8:30 – 9:25	Plenary lecture (PL 2): Activation of small molecules <u>Timo Repo</u> <i>Department of Chemistry, University of Helsinki, Finland</i>	
9:25 – 9:30	Short break	
9:30 – 10:30	Morning session A3 Chairperson: Jerneja Kladnik	Europa Hall A
9:30 – 9:50	Section lecture (O 18): Asymmetric reduction of 1,2-diketones revisited after two decades Maša Sterle ¹ , Matej Huš ^{2,3,4} , Matic Lozinšek ⁵ , Xinqiang Fang ⁶ , <u>Andrej Emanuel Cotman</u> ¹ ¹ <i>Faculty of Pharmacy, University of Ljubljana, Slovenia</i> ² <i>National Institute of Chemistry, Ljubljana, Slovenia</i> ³ <i>Association for Technical Culture of Slovenia, Ljubljana, Slovenia</i> ⁴ <i>Institute for the Protection of Cultural Heritage of Slovenia, Ljubljana, Slovenia</i> ⁵ <i>Jožef Stefan Institute, Ljubljana, Slovenia</i> ⁶ <i>Fujian Institute of Research on the Structure of Matter, University of Chinese Academy of Sciences, Fuzhou, China</i>	
9:50 – 10:10	Section lecture (O 19): Design, synthesis and cytotoxic activity of methoxy-salicylaldehyde hydrazones against leukemia and breast cancer <u>Boryana Ivanova Nikolova-Mladenova</u> , Georgi Momekov, Irina Doytchinova <i>Faculty of Pharmacy, Medical University of Sofia, Bulgaria</i>	
10:10 – 10:30	Section lecture (O 20): CO₂-responsive gels <u>Ross David Jansen-van Vuuren</u> ¹ , Philip Jessop ² , Michael Cunningham ² , Sina Naficy ³ ¹ <i>University of Ljubljana, Slovenia</i> ² <i>Queen's University, Kingston, Canada</i> ³ <i>University of Sydney, Australia</i>	

9:30 – 10:30	Morning session B3 Chairperson: Andraž Mavrič	Europa Hall B
9:30 – 9:50 SPC	Section lecture (O 21): Composites with expanded clay aggregates for thermal insulation, thermal mass, and structural purposes <u>Dejana Markova</u> ¹ , Nejc Časar ¹ , Samo Lubej ¹ , Gregor Kravanja ^{1,2} ¹ <i>University of Maribor, Faculty of Civil Engineering, Transportation and Architecture, Slovenia</i> ² <i>University of Maribor, Faculty of Chemistry and Chemical Engineering, Slovenia</i>	
9:50 – 10:10 SPC	Section lecture (O 22): Polymorphism of phase-change materials: New discoveries and approaches <u>Rebecca Ravotti</u> ^{1,2} , Colin R. Pulham ² , Jörg Worlitschek ¹ , Anastasia Stamatiou ¹ ¹ <i>Competence Centre Thermal Energy Storage, Lucerne University of Applied Sciences and Arts, Horw, Switzerland</i> ² <i>EaStCHEM School of Chemistry, University of Edinburgh, United Kingdom</i>	
10:10 – 10:30 SPC	Section lecture (O 23): Porosity engineering in cellulose-chitosan composites via sporopollenin incorporation for wound healing applications <u>Swapna Nair Sindhu</u> ¹ , Petra Makorič ¹ , Dorota Korte ¹ , Chieu D. Tran ² , Mladen Franko ¹ ¹ <i>Laboratory for Environmental and Life Sciences, University of Nova Gorica, Slovenia</i> ² <i>Chemistry Department, Marquette University, Milwaukee, Wisconsin, USA</i>	
9:30 – 10:30	Morning session D3 Chairperson: Zorka Novak Pintarič	Europa Hall D
9:30 – 9:50 SPC	Section lecture (O 24): Sustainable optimization of food supply chain <u>Jan Drofenik</u> ¹ , Bojan Pahor ^{2,1} , Zdravko Kravanja ¹ , Zorka Novak Pintarič ¹ ¹ <i>University of Maribor, Faculty of Chemistry and Chemical Engineering, Slovenia</i> ² <i>Saubermacher Slovenija d.o.o., Lenart v Slovenskih goricah, Slovenia</i>	
9:50 – 10:10 SPC	Section lecture (O 25): Processing of coinage metals in sustainable organic media <u>Anže Zupanc</u> , Joseph Install, Marianna Kemell, Timo Repo <i>Department of Chemistry, Faculty of Science, University of Helsinki, Finland</i>	

10:10 – 10:30	<p>Section lecture (O 26): A view on the future of applied thermodynamics Jean-Charles de Hemptinne¹, Georgios M. Kontogeorgis², Ralf Dohrn³, Ioannis G. Economou⁴, Antoon ten Kate⁵, Suisanna Kuitunen⁶, <u>Ljudmila Fele Žilnik</u>⁷, Maria Grazia De Angelis⁸, Velisa Vesovic⁹ ¹<i>IFP Energies nouvelles, Ruel-Malmaison-Cedex, France</i> ²<i>Center for Energy Resources Engineering, Technical University of Denmark, Lyngby, Denmark</i> ³<i>Bayer AG, Process Technologies, Leverkusen, Germany</i> ⁴<i>Texas A&M University of Qatar, Doha, Qatar</i> ⁵<i>Nouryon, Deventer, The Netherlands</i> ⁶<i>Neste Engineering Solutions Oy, Porvoo, Finland</i> ⁷<i>National Institute of Chemistry, Ljubljana, Slovenia</i> ⁸<i>Institute for Materials and Processes, University of Edinburgh, United Kingdom</i> ⁹<i>Department of Earth Science and Engineering, Imperial College London, United Kingdom</i></p>
10:30 – 11:00	Coffee break
11:00 – 13:00	<p>Morning session A4 Europa Hall A Chairperson: Andrej Emanuel Cotman</p>
11:00 – 11:40	<p>Keynote lecture (KL 3): Cu(II) ATCUN metallopeptides: Optimization of the ligand scaffold for redox-dependent biological applications Julian Heinrich¹, Jannis Barrera^{1,2}, <u>Nora Kulak</u>^{1,3} ¹<i>Otto-von-Guericke-Universität Magdeburg, Germany</i> ²<i>Humboldt-Universität zu Berlin, Germany</i> ³<i>Universität Potsdam, Germany</i></p>
11:40 – 12:00 SPC	<p>Section lecture (O 27): Development of a mild nickel-catalyzed transformation using rapid computational catalyst screening <u>Dominik Jankovič</u>¹, Mateja Mihelač¹, Žan Testen¹, Blaž Likozar², Matej Huš^{2,3,4,5}, Martin Gazvoda¹ ¹<i>University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia</i> ²<i>National Institute for Chemistry, Department of Catalysis and Chemical Reaction Engineering, Ljubljana, Slovenia</i> ³<i>Technical University of Denmark, Department of Physics, Catalysis Theory Center, Kongens Lyngby, Denmark</i> ⁴<i>Association for Technical Culture of Slovenia, Ljubljana, Slovenia</i> ⁵<i>Institute for the Protection of Cultural Heritage of Slovenia, Ljubljana, Slovenia</i></p>
12:00 – 12:20	<p>Section lecture (O 28): Elastically and plastically flexible crystals of homochiral CF₃-substituted benzo-fused secondary alcohols <u>Matic Lozinšek</u>¹, Kristian Radan¹, Miha Virant¹, Andrej Emanuel Cotman² ¹<i>Jožef Stefan Institute, Ljubljana, Slovenia</i> ²<i>Faculty of Pharmacy, University of Ljubljana, Slovenia</i></p>

- 12:20 – 12:40 **Section lecture (O 29):**
Hydroboration of alkynes by an FLP: Unexpected bond activation and mechanistic studies
Petra Vasko
University of Helsinki, Finland
- 12:40 – 13:00 **Section lecture (O 30):**
Enaminone and benzenediamine based bifunctional organocatalysts
Luka Ciber, Jurij Svete, Helena Brodnik, Bogdan Štefane, Uroš Grošelj
University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia
- 11:00 – 13:00 Morning session B4 Europa Hall B**
Chairperson: Andreja Goršek
- 11:00 – 11:20 **Section lecture (O 31):**
The influence of TiO₂ carrier on the photo/thermal activity of TiO₂+Pt catalysts in different environmental applications
Gregor Žerjav, Albin Pintar
Department of Inorganic Chemistry and Technology, National Institute of Chemistry, Ljubljana, Slovenia
- 11:20 – 11:40 SPC **Section lecture (O 32):**
Engineering of oxygen vacancies in transition metal oxide for photoelectrochemical degradation of organic pollutants
Manel Machreki¹, Takwa Chouki¹, Saim Emin¹, Georgi Tyuliev², Dušan Žigonc³, Bunsho Ohtani⁴, Alexandre Loukanov⁵, Plamen Stefanov⁶
¹*University of Nova Gorica, Slovenia*
²*Institute of Catalysis, Bulgarian Academy of Sciences, Sofia, Bulgaria*
³*Jožef Stefan Institute, Ljubljana, Slovenia*
⁴*Catalysis Research Center, Hokkaido University, Sapporo, Japan*
⁵*Department of Chemistry and Materials Science, National Institute of Technology, Gunma, Japan*
⁶*Institute of General and Inorganic Chemistry, Bulgarian Academy of Sciences, Sofia, Bulgaria*
- 11:40 – 12:00 **Section lecture (O 33):**
Monitoring and imaging catalytic reactions by *in situ* spectroscopy and microscopy
Günther Rupprechter
TU Wien, Austria
- 12:00 – 12:20 **Section lecture (O 34):**
Utilizing structurally disordered AlMg-oxide phase in Cu/ZnO catalyst for efficient CO₂ hydrogenation to methanol
Andraž Mavrič¹, Gregor Žerjav², Blaž Belec¹, Matevž Roškarič², Matjaž Finšgar³, Albin Pintar², Matjaž Valant¹
¹*Materials Research Laboratory, University of Nova Gorica, Slovenia*
²*Department of Inorganic Chemistry and Technology, National Institute of Chemistry, Ljubljana, Slovenia*
³*Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia*

12:20 – 12:40
SPC
Section lecture (O 35):
Gold nanoflowers on TiO₂: Synthesis and characterization
Špela Slapničar, Gregor Žerjav, Albin Pintar
Department of Inorganic Chemistry and Technology, National Institute of Chemistry, Ljubljana, Slovenia

12:40 – 13:00
Section lecture (O 36):
The influence of reaction conditions on the properties of graphene oxide
Miroslav Huskić¹, Dejan Kepić², Miran Mozetič³, Alenka Vesel³,
Alojz Anžlovar⁴, Svetlana Jovanović²
¹*Faculty of Polymer Technology, Slovenj Gradec, Slovenia*
²*Vinča Institute of Nuclear Sciences, University of Belgrade, Serbia*
³*Jožef Stefan Institute, Ljubljana, Slovenia*
⁴*National Institute of Chemistry, Ljubljana, Slovenia*

11:00 – 13:00 **Morning session D4** **Europa Hall D**
Chairperson: Silvo Zupančič

11:00 – 11:20
SPC
Section lecture (O 37):
Comparative study of bio-based, solvent-free and low-viscosity polyester polyol for 2K PUR systems
Nejc Vidmar, Miha Steinbücher, Nataša Čuk, Martin Ocepek,
Peter Venturini
Helios TBLUS d.o.o., Domžale, Slovenia

11:20 – 11:40
Section lecture (O 38):
Gloveboxes – Operation, maintenance, and common misunderstandings
Martin Eck
Vigor Gas Purification Technologies (Europe) GmbH, Marktheidenfeld, Germany

11:40 – 12:00
Section lecture (O 39):
New challenges for chemical industry; TiO₂ pigments production
Nika Veronovski
Cinkarna Celje, d.d., Slovenia

12:00 – 12:20
Section lecture (O 40):
Sustainable waterborne acrylic coatings HIDROHEL and implementation of biobased raw materials
Nejc Kolman
Helios TBLUS d.o.o., Količevo, Slovenia

12:20 – 12:40
Section lecture (O 41):
Cinkarna Celje's pathway towards better product quality and increased sustainability
Dejan Verhovšek, Tomi Gominšek, Boštjan Podkrajšek
Cinkarna Celje, d.d., Slovenia

12:40 – 13:00	<p>Section lecture (O 42): Making history of nylon: From regenerated to bio-based caprolactam <u>Giorgio Mirri</u>¹, Michele Cecchetto², Mattia Comotto², Anacleto Dal Moro², Denis Jahić¹ ¹<i>AquafilSLO, Ljubljana, Slovenia</i> ²<i>Aquafil, Arco, Italy</i></p>	
13:00 – 14:30	Lunch break	
14:30 – 15:50	<p>Afternoon session A5 Chairperson: Andrej Perdih</p>	Europa Hall A
14:30 – 14:50 SPC	<p>Section lecture (O 43): Surface reactivity of Pt and Ru towards hydrogen <u>Lea Gašparič</u>^{1,2}, Anton Kokalj^{1,2} ¹<i>Jožef Stefan Institute, Department of Physical and Organic Chemistry, Ljubljana, Slovenia</i> ²<i>Jožef Stefan International Postgraduate School, Ljubljana, Slovenia</i></p>	
14:50 – 15:10 SPC	<p>Section lecture (O 44): Influence of chestnut wood ellagitannins structure on formation of coordination compounds with Fe(II) and Al(III) ions <u>Franjo Frešer</u>¹, Urban Bren^{1,2,3}, Gregor Hostnik¹ ¹<i>University of Maribor, Faculty of Chemistry and Chemical Engineering, Slovenia</i> ²<i>University of Primorska, Faculty of Mathematics, Natural Sciences and Information Technologies, Koper, Slovenia</i> ³<i>Institute of Environmental Protection and Sensors, Maribor, Slovenia</i></p>	
15:10 – 15:30 SPC	<p>Section lecture (O 45): The role of dipolar interactions in crystal structures <u>Katarina Kokalj</u>¹, Anton Kokalj² ¹<i>Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia</i> ²<i>Department of Physical and Organic Chemistry, Jožef Stefan Institute, Ljubljana, Slovenia</i></p>	
15:30 – 15:50	<p>Section lecture (O 46): Everything there is to learn about ethylene epoxidation on silver from first principles <u>Matej Huš</u>^{1,2}, Miha Grilc¹, Janvit Teržan¹, Sašo Gyergyek³, Andraž Pavlišič¹, Petar Djinović¹, Blaž Likozar¹, Anders Hellman² ¹<i>National Institute of Chemistry, Ljubljana, Slovenia</i> ²<i>Chalmers tekniska högskola, Gothenburg, Sweden</i> ³<i>Jožef Stefan Institute, Ljubljana, Slovenia</i></p>	

14:30 – 15:50		Afternoon session B5	Europa Hall B
		Chairperson: Gregor Žerjav	
14:30 – 15:10	Keynote lecture (KL 4): Indirect techniques of electron paramagnetic resonance spectroscopy in heterogeneous photocatalysis <i>Dana Dvoranová, Kristína Czikhartová, Zuzana Dyrčíková</i> <i>Institute of Physical Chemistry and Chemical Physics, Faculty of Chemical and Food Technology, Slovak University of Technology in Bratislava, Slovak Republic</i>		
15:10 – 15:30 SPC	Section lecture (O 47): Use of a chemometric approach to improve the photocatalytic activity of g-C₃N₄ <i>Matevž Roškarič, Gregor Žerjav, Albin Pintar</i> <i>Department of Inorganic Chemistry and Technology, National Institute of Chemistry, Ljubljana, Slovenia</i>		
15:30 – 15:50 SPC	Section lecture (O 48): Rational defect engineering of SmFeO₃-based catalysts for enhanced peroxymonosulfate activation <i>Elzhana Encheva, Martin Tsvetkov, Maria Milanova</i> <i>Sofia University St. Kliment Ohridski, Bulgaria</i>		
14:30 – 15:50		Afternoon session D5	Europa Hall D
		Chairperson: Miroslav Huskić	
14:30 – 14:50	Section lecture (O 49): Advanced reagents for fluorination of organic compounds <i>Griša Grigorij Prinčič¹, Jan Jelen², Blaž Omahen¹, Evelin Gruden², Gašper Tavčar², Jernej Iskra¹</i> <i>¹University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia</i> <i>²Jožef Stefan Institute, Ljubljana, Slovenia</i>		
14:50 – 15:10	Section lecture (O 50): Inorganic-organic hybrid polymer foams <i>Sebastijan Kovačič¹, Tomaž Kotnik¹, Matjaž Mazaj¹, Zoran Novak²</i> <i>¹National Institute of Chemistry, Ljubljana, Slovenia</i> <i>²University of Maribor, Faculty of Chemistry and Chemical Engineering, Slovenia</i>		
15:10 – 15:30	Section lecture (O 51): Towards circular and sustainable synthetic routes to deuterium-labelled organic compounds <i>Ross David Jansen-van Vuuren¹, Luka Jedlovčnik¹, Jakob Höfferle¹, Jerneja Kladnik¹, Janez Košmrlj¹, Volker Derdau²</i> <i>¹University of Ljubljana, Slovenia</i> <i>²Sanofi-Aventis Deutschland GmbH, Frankfurt/Main, Germany</i>		

15:30 – 15:50	Section lecture (O 52): Colloidal stabilization of magnetic barium hexaferrite nanoplatelets using phosphonate-based polar ligands <u>Ali Tufani</u> ¹ , Tomáš Landovský ² , Nina Popov ¹ , Martin Cigl ² , Darja Lisjak ¹ ¹ <i>Jožef Stefan Institute, Ljubljana, Slovenia</i> ² <i>Institute of Physics AS CR v.v.i., Prague, Czech Republic</i>
15:50 – 16:10	Presentation of the journal <i>Acta Chimica Slovenica</i> on the occasion of its 70th anniversary Europa Hall A
16:10 – 17:40	Poster session with coffee break
17:40 – 19:15	Free time
19:15 – 23:59	Conference dinner Terrace International (in front of Hotel Histrion)

Legend: SPC – Student paper contest

petek, 15. september 2023 / Friday, 15 September 2023

9:10 – 10:30	Morning session A6 Chairperson: Alenka Ristić	Europa Hall A
9:10 – 9:30	Section lecture (O 53): Vibrational spectroscopic studies of Xe(II) polyfluoridometalates <u>Kristian Radan</u> , Boris Žemva, Matic Lozinšek <i>Jožef Stefan Institute, Ljubljana, Slovenia</i>	
9:30 – 9:50	Section lecture (O 54): Investigation of XeF₂-TaF₅ adducts under high pressure <u>Miha Virant</u> ¹ , Erik Uran ¹ , Nico Giordano ^{2,3} , Simon Parsons ² , Matic Lozinšek ^{1,2} ¹ <i>Jožef Stefan Institute, Ljubljana, Slovenia</i> ² <i>The University of Edinburgh, Scotland, United Kingdom</i> ³ <i>Deutsches Elektronen-Synchrotron DESY, Hamburg, Germany</i>	
9:50 – 10:10	Section lecture (O 55): Kje so (še) izzivi strukturne analize kristaliničnih trdnin? <u>Anton Meden</u> <i>Univerza v Ljubljani, Slovenija</i>	
10:10 – 10:30	Section lecture (O 56): Uporaba raznovrstnih tehnik termične analize za preučevanje sestave matrik emulzijskih razstreliv <u>Romana Cerc Korošec</u> , Nataša Čelan Korošič <i>Univerza v Ljubljani, Fakulteta za kemijo in kemijsko tehnologijo, Slovenija</i>	
9:10 – 10:30	Morning session B6 Chairperson: Sandra Gardonio	Europa Hall B
9:10 – 9:30	Section lecture (O 57): Mechanochemical synthesis of a series of SOD ZIFs for humid CO₂ capture <u>Aljaž Škrjanc</u> ^{1,2} , Nataša Zabukovec Logar ^{1,2} ¹ <i>National Institute of Chemistry, Ljubljana, Slovenia</i> ² <i>University of Nova Gorica, Slovenia</i>	
9:30 – 9:50	Section lecture (O 58): In vitro tumor hypoxia imaging with fluorescent covalent organic frameworks <u>Tina Škorjanc</u> ¹ , Dinesh Shetty ² , Damjan Makuc ³ , Gregor Mali ³ , Martina Bergant Marušič ¹ , Matjaž Valant ¹ ¹ <i>University of Nova Gorica, Slovenia</i> ² <i>Khalifa University, Abu Dhabi, United Arab Emirates</i> ³ <i>NMR Center, National Institute of Chemistry, Ljubljana, Slovenia</i>	

9:50 – 10:10	<p>Section lecture (O 59): Hybridization of barium hexaferrite nanoplatelets with polar ligands <u>Darja Lisjak</u>¹, Jelena Papan Djaniš^{1,2}, Griša Grigorij Prinčič², Alenka Mertelj¹, Jernej Iskra² ¹<i>Jožef Stefan Institute, Ljubljana, Slovenia</i> ²<i>Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia</i></p>	
10:10 – 10:30	<p>Section lecture (O 60): Single crystal growth and structural characterisation of new phases in the binary Er₂O₃–Ta₂O₅ system <u>Mirela Dragomir</u>^{1,2}, Matic Lozinšek^{1,2}, Lia Šibav^{1,2}, Tina Arh^{1,3}, Zvonko Jagličič^{4,5}, Andrej Zorko^{1,3} ¹<i>Jožef Stefan Institute, Ljubljana, Slovenia</i> ²<i>Jožef Stefan International Postgraduate School, Ljubljana, Slovenia</i> ³<i>Faculty of Mathematics and Physics, University of Ljubljana, Slovenia</i> ⁴<i>University of Ljubljana, Faculty of Civil and Geodetic Engineering, Slovenia</i> ⁵<i>Institute of Mathematics, Physics and Mechanics, Ljubljana, Slovenia</i></p>	
9:10 – 10:30	<p>Morning session D6 Chairperson: Maja Leitgeb</p>	Europa Hall D
9:10 – 9:50	<p>Keynote lecture (KL 5): Why there is no chemical engineering without multiscale modelling anymore Matej Huš¹, Taja Žibert¹, Žan Kovačič¹, Luka Skubic², Chaomin Chen¹, Ana Oberlintner¹, Matic Pavlin¹, Andraž Pavlišič¹, Miha Grilc¹, <u>Blaž Likozar</u>¹ ¹<i>National Institute of Chemistry, Ljubljana, Slovenia</i> ²<i>Jožef Stefan Institute, Ljubljana, Slovenia</i></p>	
9:50 – 10:10	<p>Section lecture (O 61): Traditional catalysts for light-assisted CO₂ conversion. Win or fail? Kristijan Lorber^{1,2}, Miha Okorn^{1,2}, <u>Petar Djinović</u>^{1,2} ¹<i>National Institute of Chemistry, Ljubljana, Slovenia</i> ²<i>University of Nova Gorica, Slovenia</i></p>	
10:10 – 10:30	<p>Section lecture (O 62): Ab initio study of photoactivation of N₂ over Ru-doped TiO₂ clusters Taja Žibert, Blaž Likozar, Matej Huš <i>National Institute of Chemistry, Ljubljana, Slovenia</i></p>	
10:30 – 11:00	Coffee break	
11:00 – 11:55	<p>Plenary session P3 Chairperson: Andreja Žgajnar Gotvajn</p>	Europa Hall A
11:00 – 11:55	<p>Plenary lecture (PL 3): Contaminants of emerging concern: A journey from source to environment <u>Ester Heath</u>^{1,2} ¹<i>Jožef Stefan Institute, Ljubljana, Slovenia</i> ²<i>International Postgraduate School Jožef Stefan, Ljubljana, Slovenia</i></p>	

11:55 – 12:00 Short break

12:00 – 13:00 Morning session A7 Europa Hall A
Chairperson: Andreja Žgajnar Gotvajn

12:00 – 12:20 SPC
Section lecture (O 63):
Exploring the potential of strontium isotopic ratios as indicators of provenance
Majda Nikezić¹, Tea Zuliani^{1,2}
¹Jožef Stefan International Postgraduate School, Ljubljana, Slovenia
²Jožef Stefan Institute, Ljubljana, Slovenia

12:20 – 12:40 SPC
Section lecture (O 64):
Occurrence and distribution of drug residues in an urban aquifer Ljubljansko polje
Taja Verovšek^{1,2}, Mitja Janža³, David Heath¹, Ariana Šuštarčič⁴, Helena Prosen⁴, Ester Heath^{1,2}
¹Jožef Stefan Institute, Ljubljana, Slovenia
²Jožef Stefan International Postgraduate School, Ljubljana, Slovenia
³Geological Survey of Slovenia, Ljubljana, Slovenia
⁴University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia

12:40 – 13:00
Section lecture (O 65):
Education in environmental chemistry: A case study of Slovenia
Janja Vidmar^{1,2}, Jan Hočevar³, Ester Heath^{1,2}
¹Department of Environmental Sciences, Jožef Stefan Institute, Ljubljana, Slovenia
²International Postgraduate School Jožef Stefan, Ljubljana, Slovenia
³Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia

12:00 – 13:00 Morning session B7 Europa Hall B
Chairperson: Nikola Minovski

12:00 – 12:20
Section lecture (O 66):
A new general-purpose adsorption isotherm for improved estimation of standard adsorption Gibbs energy
Anton Kokalj
Jožef Stefan Institute, Ljubljana, Slovenia

12:20 – 12:40
Section lecture (O 67):
Design and synthesis of optimised allosteric effectors of cathepsins K and S
Tjaša Goričan^{1,2}, Marko Novinec²
¹National Institute of Chemistry, Ljubljana, Slovenia
²Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia

12:40 – 13:00 SPC
Section lecture (O 68):
Molecular modeling of the formation of hydrated coordination complexes between N-heterocyclic molecules and copper ions
Matjaž Dlouhy, Anton Kokalj
Department of Physical and Organic Chemistry, Jožef Stefan Institute, Ljubljana, Slovenia

12:00 – 13:00	Morning session D7 Chairperson: Darja Pečar	Europa Hall D
12:00 – 12:20 SPC	Section lecture (O 69): Catalytic reduction of bio-oils to fatty alcohols, micro-kinetics and catalyst properties <u>Matej Žula</u> , Miha Grilc, Blaž Likozar <i>National Institute of Chemistry, Ljubljana, Slovenia</i>	
12:20 – 12:40	Section lecture (O 70): Operando investigation of DRM and RWGS reactions during photo-thermal mode <u>Kristijan Lorber</u> ^{1,2} , Petar Djinović ^{1,2} ¹ <i>National Institute of Chemistry, Ljubljana, Slovenia</i> ² <i>University of Nova Gorica, Slovenia</i>	
12:40 – 13:00	Section lecture (O 71): Characterization of food packaging foils with antimicrobial and antioxidant behavior <u>Thomas Luxbacher</u> ^{1,2,3} , Sanja Potrč ^{2,3} , Olivija Plohl ³ , Alenka Vesel ⁴ , Lidija Fras Zemljič ³ ¹ <i>Anton Paar GmbH, Graz, Austria</i> ² <i>University of Maribor, Faculty of Chemistry and Chemical Engineering, Slovenia</i> ³ <i>University of Maribor, Faculty of Mechanical Engineering, Slovenia</i> ⁴ <i>Jožef Stefan Institute, Ljubljana, Slovenia</i>	
13:00 – 14:30	Lunch break	
14:30 – 15:50	Afternoon session B8 Chairperson: Mitja Kolar	Europa Hall B
14:30 – 15:10	Keynote lecture (KL 6): Optical sensors for monitoring health, environment, and food quality <u>Gerhard J. Mohr</u> <i>Joanneum Research, Weiz, Austria</i>	
15:10 – 15:30	Section lecture (O 72): An electrochemical sensor field assembly using thin film on steel foil for identification of different types of solvents and solutions <u>Martin Rozman</u> , Miha Lukšič <i>Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia</i>	

15:30 – 15:50	<p>Section lecture (O 73): Prevalence of licit, illicit drugs and new psychoactive substances in wastewater from Slovenian educational institutions <u>Taja Verovšek</u>^{1,2}, Ivona Krizman Matasić³, Alberto Celma⁴, Lubertus Bijlsma⁵, Felix Hernandez⁵, David Heath¹, Ester Heath^{1,2} ¹<i>Jožef Stefan Institute, Ljubljana, Slovenia</i> ²<i>Jožef Stefan International Postgraduate School, Ljubljana, Slovenia</i> ³<i>Ruđer Bošković Institute, Zagreb, Croatia</i> ⁴<i>Department of Aquatic Sciences and Assessment, Swedish University of Agricultural Sciences, Uppsala, Sweden</i> ⁵<i>Research Institute for Pesticides and Water, University Jaume I, Castellón, Spain</i></p>	
14:30 – 15:50	Afternoon session D8	Europa Hall D
	Chairperson: Mirela Dragomir	
14:30 – 14:50	<p>Section lecture (O 74): Induction heating of magnetic carbon nanocomposites prepared via the graphitization of glucose <u>Sašo Gyergyek</u>^{1,2}, Elena Chernyshova³, Katalin Böör¹, Marijan Nečemer¹, Darko Makovec¹ ¹<i>Jožef Stefan Institute, Ljubljana, Slovenia</i> ²<i>Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia</i> ³<i>National Institute of Chemistry, Ljubljana, Slovenia</i></p>	
14:50 – 15:10	<p>Section lecture (O 75): Self assembled Bi₂Se₃/CdSe heterojunctions in bulk volumes <u>Sandra Gardonio</u>¹, Zipporah Rini Benher¹, Mattia Fanetti¹, Polina Shervaydeva², Paolo Moras², Matjaž Valant¹ ¹<i>Materials Research Laboratory, University of Nova Gorica, Slovenia</i> ²<i>CNR-ISM, Istituto di Struttura della Materia, Trieste, Italy</i></p>	
15:10 – 15:30	<p>Section lecture (O 76): Development of recycling friendly coatings for Nd-Fe-B magnets <u>Benjamin Podmiljšak</u>¹, Laura Grau², Carlo Burkhardt², Spomenka Kobe¹ ¹<i>Jožef Stefan Institute, Ljubljana, Slovenia</i> ²<i>Pforzheim University, Germany</i></p>	
15:30 – 15:50	<p>Section lecture (O 77): Silica-coated Bi₂Se₃ topological insulator nanoparticles: Preserving their optical properties and make them biocompatible <u>Blaž Belec</u>¹, Nina Kostevšek², Giulia Della Pelle^{2,3}, Sebastjan Nemeč^{4,5}, Slavko Kralj^{4,5}, Martina Bergant Marušič⁶, Sandra Gardonio¹, Mattia Fanetti¹, Matjaž Valant¹ ¹<i>Materials Research Laboratory, University of Nova Gorica, Slovenia</i> ²<i>Department for Nanostructured Materials, Jožef Stefan Institute, Ljubljana, Slovenia</i> ³<i>Jožef Stefan International Postgraduate School, Ljubljana, Slovenia</i> ⁴<i>Department for Material Synthesis, Jožef Stefan Institute, Ljubljana, Slovenia</i> ⁵<i>Faculty of Pharmacy, University of Ljubljana, Ljubljana, Slovenia</i> ⁶<i>Laboratory for Environmental and Life Sciences, University of Nova Gorica, Slovenia</i></p>	

15:50 – 16:00 Short break

16:00 – 16:15 Student awards and closing remarks
Europa Hall A

Legend: SPC – Student paper contest

POSTERSKE PREDSTAVITVE / POSTER SESSION

Foyer of the Grand Hotel Bernardin Convention Center (12th floor) - **Posters and exhibition**

Wednesday, 13 September 2023 (16:30 – 17:30)

Thursday, 14 September 2023 (16:10 – 17:40)

- P001** **Structure-based optimization of 4,6-substituted-1,3,5-triazin-2(1H)-ones as catalytic inhibitors of human DNA topoisomerase II α**
Barbara Herlah^{1,2}, Iza Ogris^{2,3}, Simona Golič Grdadolnik¹, Stanislav Gobec², Izidor Sosič², Andrej Perdih^{1,2}
¹National Institute of Chemistry, Ljubljana, Slovenia
²University of Ljubljana, Faculty of Pharmacy, Slovenia
³University of Ljubljana, Faculty of Medicine, Slovenia
- P002** **Molecular dynamics simulations of the immune NKG2A/CD94 receptor to investigate signal transduction**
Martin Ljubič^{1,2}, Jure Borišek¹
¹National Institute of Chemistry, Ljubljana, Slovenia
²Faculty of Pharmacy, University of Ljubljana, Slovenia
- P003** **Exploring the dynamics of the ABCB1 membrane transporter P-glycoprotein in the presence of ATP and active/non-active compounds through molecular dynamics simulations**
Liadys Mora Lagares¹, Yunierkis Perez-Castillo², Marjana Novič¹
¹Theory Department, Laboratory for Cheminformatics, National Institute of Chemistry, Ljubljana, Slovenia
²Bio-Cheminformatics Research Group and Escuela de Ciencias Físicas y Matemáticas, Universidad de Las Américas, Quito, Ecuador
- P004** **Osmolalnost in toničnost raztopin**
Tjaša Skarlovnik¹, Andraž Lamut², Boris Gole³, Urban Bren^{1,4}, Gregor Hostnik¹
¹Fakulteta za kemijo in kemijsko tehnologijo, Univerza v Mariboru, Slovenija
²Meditop, d.o.o., Maribor, Slovenija
³Univerza v Mariboru, Medicinska fakulteta, Slovenija
⁴Univerza na Primorskem, Fakulteta za matematiko, naravoslovje in informacijske tehnologije, Koper, Slovenija
- P005** **Protolitsko ravnotežje kohumolona in kolupolona**
Anja Petek, Gregor Hostnik, Urban Bren, Matej Keber
Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo, Slovenija
- P006** **Integrating different chemoinformatic approaches in evaluation of aquatic toxicity of fullerene derivatives**
Natalja Fjodorova¹, Marjana Novič¹, Katja Venko¹, Bakhtiyor Rasulev², Melek Türker Saçan³, Gulcin Tugcu⁴, Safiye Sağ Erdem⁵, Alla P. Toropova⁶, Andrey A. Toropov⁶
¹National Institute of Chemistry, Ljubljana, Slovenia
²North Dakota State University, Fargo, ND, USA
³Bogazici University, Institute of Environmental Sciences, Istanbul, Turkey
⁴Yeditepe University, Faculty of Pharmacy, Istanbul, Turkey
⁵Marmara University, Department of Chemistry, Istanbul, Turkey
⁶Istituto Di Ricerche Farmacologiche Mario Negri IRCCS, Milano, Italy

- P007** **Analiza mikrovlaken nastalih tekom gospodinskega strojnega sušenja sintetičnih tekstilij**
Lidija Škodič, Alen Erjavec, Darko Štanc, Branko Neral, Manja Kurečič
Univerza v Mariboru, Fakulteta za strojništvo, Slovenija
- P008** **Vrednotenje strukturnih sprememb tkanin na molekularni ravni vlaken po večkratnih ciklih gospodinskega strojnega sušenja**
Manja Kurečič, Darko Štanc, Branko Neral
Univerza v Mariboru, Slovenija
- P009** **Assessment of solid phase extraction for enhancing clean-up efficiency following derivatization of simple carbohydrates**
Jan Kogovšek, Matjaž Grčman, Drago Kočar
Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia
- P010** **Artemisinin determination in encapsulated products**
Ana Šijanec, Monika Horvat, Matjaž Grčman, Matevž Pompe
Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia
- P011** **Airborne microplastic in an urban environment: Method optimization**
Tamara Gajšt¹, Ana Kroflič¹, Ivan Jerman², Sanja Frka Milosavljević³, Blaž Stres¹, Blaž Likozar¹, Uroš Novak¹
¹*National Institute of Chemistry, Department of Catalysis and Chemical Reaction Engineering, Ljubljana, Slovenia*
²*National Institute of Chemistry, Department of Materials Chemistry, Ljubljana, Slovenia*
³*Ruđer Bošković Institute, Division for Marine and Environmental Research, Zagreb, Croatia*
- P012** **Insights into the non-invasive characterisation of dye-containing iron-gall inks by Raman spectroscopy**
Klara Retko^{1,2}, Hassan Ebeid^{2,3}, Matija Strlič², Polonca Ropret^{1,2}, Abdelrazek Elnaggar²
¹*Institute for the Protection of Cultural Heritage of Slovenia, Research Institute, Ljubljana, Slovenia*
²*University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia*
³*Ain Shams University, Faculty of Archaeology, Cairo, Egypt*
- P013** **Quality status of Slovenian rivers**
Vesna Mislej¹, Jan Hočevar², Ester Heath³
¹*JP VODOVOD KANALIZACIJA SNAGA, Ljubljana, Slovenia*
²*University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia*
³*Jožef Stefan Institute, Ljubljana, Slovenia*
- P014** **Drinking water supply network Velenje – optimization of chlorine disinfection**
Urška Rozman¹, Tanja Kontič¹, Nataša Uranjek², Sonja Šostar Turk¹
¹*University of Maribor, Faculty of Health Sciences, Slovenia*
²*Komunalno podjetje Velenje d.o.o., Slovenia*

- P015 Human virus monitoring from communal and hospital wastewater in Hungary**
Orsolya Adamcsik¹, Borbála Oláhné Horváth¹, Renáta Gerencsér-Berta¹, Balázs Somogyi², Ferenc Jakab², Ildikó Galambos¹
¹University of Pannonia, Nagykanizsa, Hungary
²University of Pécs, Hungary
- P016 In silico and stability analyses of selected pesticides in use in Serbia**
Jelena Milićević¹, Biljana Arsić², Stefan Petrović², Snežana Tošić², Ivana Dimitrijević², Gordana Stojanović², Sanja Glišić¹
¹Laboratory for Bioinformatics and Computational Chemistry, Vinča Institute of Nuclear Sciences, University of Belgrade, Republic of Serbia
²Department of Chemistry, Faculty of Sciences and Mathematics, University of Niš, Republic of Serbia
- P017 Development of an electrochemical biosensor for folate receptor based on graphene and folic acid derivatives**
Ema Gričar, Griša Grigorij Prinčič, Boštjan Genorio, Mitja Kolar
University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia
- P018 Synthesis of Al-doped hierarchical silicate for sorption thermal battery**
Daša Čebulj¹, Suzana Mal², Nataša Zabukovec Logar^{2,3}, Alenka Ristić²
¹Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia
²National Institute of Chemistry, Ljubljana, Slovenia
³University of Nova Gorica, Slovenia
- P019 Multipolar refinements of xenon fluorides**
Valentina Milašinović¹, Piero Macchi², Erik Uran¹, Matic Lozinšek¹
¹Jožef Stefan Institute, Ljubljana, Slovenia
²Politecnico di Milano, Italy
- P020 Corrosion inhibition properties of a hydrophobic coating with curcuma additive**
Regina Fuchs-Godec
Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia
- P021 Podobnosti oblik anorganskih in organskih materialov v študiji z vrstičnim elektronskim mikroskopom-SEM**
Mojca Opresnik¹, Nataša Zabukovec Logar^{1,2}
¹Kemijski inštitut, Ljubljana, Slovenija
²Univerza v Novi Gorici, Slovenija
- P022 Interfacial charge transfer complexes: Surface-modified TiO₂ powder with salicylic acid derivatives**
Zuzana Dyrčíková, Miriama Šimunková, Karol Lušpai, Dana Dvoranová
Slovak University of Technology in Bratislava, Faculty of Chemical and Food Technology, Slovak Republic
- P023 Porous poly(GMA-co-EGDMA) materials for enzyme immobilisation**
Muzafera Paljevac, Peter Krajnc
Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia

- P024** **Controlling polyHIPE architecture and porosity via RAFT polymerization and hypercrosslinking**
Amadeja Koler, Peter Krajnc
Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia
- P025** **Optimization of FAU zeolite membrane preparation for the separation of methanol/esters mixtures**
Bin Xia¹, Yi Cao², Yanshuo Li²
¹*National Institute of Chemistry, Ljubljana, Slovenia*
²*Ningbo University, China*
- P026** **Reversible hydrophilic/hydrophobic coatings of amine functionalized glass**
Griša Grigorij Prinčič¹, Andraž Černoga¹, Darja Lisjak², Jernej Iskra¹
¹*University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia*
²*Jožef Stefan Institute, Ljubljana, Slovenia*
- P027** **Novel photochemical transformations of pyrazolo[1,2-a]pyrazole derivatives**
Ines Kulašič, Nejc Petek, Jurij Svete, Uroš Grošelj, Bogdan Štefane
University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia
- P028** **Chloro-substituted hydrazones: Molecular characteristics and bioactivity scores**
Boryana Nikolova-Mladenova, Orlin Mladenov
Faculty of Pharmacy, Medical University of Sofia, Bulgaria
- P029** **Synthesis of Brooker's Merocyanine dye derivatives and their solvatochromic response**
Luka Škrlep¹, Klara Šifrer^{1,2}, Erika Švara Fabjan¹
¹*Slovenian National Building and Civil Engineering Institute, Ljubljana, Slovenia*
²*University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia*
- P030** **Utilizing the (1R,2R)-2-(piperidin-1-yl)cyclohexane-1-amine scaffold for the synthesis and catalytic evaluation of novel 1,2-benzenediamine organocatalysts**
Klara Klemenčič, Luka Ciber, Franc Požgan, Jurij Svete, Helena Brodnik, Bogdan Štefane, Uroš Grošelj
Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia
- P031** **Influence of Au/Pt ratio on the photocatalytic activity of TiO₂+Au/Pt solids**
Ana Perpar¹, Sebastijan Kovačič^{1,2}, Gregor Žerjav², Albin Pintar²
¹*Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia*
²*National Institute of Chemistry, Ljubljana, Slovenia*
- P032** **Influence of support on the catalytic activity of Pt-based photocatalysts for wastewater treatment**
Marcel Žafran¹, Matjaž Finšgar¹, Gregor Žerjav², Albin Pintar²
¹*Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia*
²*National Institute of Chemistry, Ljubljana, Slovenia*

- P033 High productivity of ZrO₂ supported Au catalysts in CO₂ hydrogenation to methanol**
Vikram Sagar Tatiparthi, Hue Tong Vu, Nataša Novak Tušar, Albin Pintar
Department of Inorganic Chemistry and Technology, National Institute of Chemistry, Ljubljana, Slovenia
- P034 Mezoporožna silika MCM-41 kot katalizator pri esterifikaciji oleinske kisline**
Darja Pečar¹, Vladan Mičić², Andreja Goršek¹
¹*Fakulteta za kemijo in kemijsko tehnologijo, Univerza v Mariboru, Slovenija*
²*Fakulteta za tehnologijo Zvornik, Univerza v vzhodnem Sarajevu, Bosna in Hercegovina*
- P035 Unraveling the dynamics: Hydrogen adsorption and desorption kinetics on platinum catalyst**
Žan Lavrič, Aleksandra Zamljen, Miha Grilc
National Institute of Chemistry, Ljubljana, Slovenia
- P036 Electified selective oxidation of ethane with bi- and trimetallic catalysts**
Janvit Teržan^{1,2}, Matej Huš^{1,3}, Anej Blažič¹, Anja Sedminek², Sašo Gyergyek², Miha Grilc¹, Blaž Likozar¹, Anders Hellman³
¹*National Institute of Chemistry, Ljubljana, Slovenia*
²*Jožef Stefan Institute, Ljubljana, Slovenia*
³*Chalmers University of Technology, Gothenburg, Sweden*
- P037 Ab initio modelling of photocatalytic CO₂ reduction reactions over Cu/TiO₂ semiconductors including the electronic excitation effects**
Žan Kovačič, Blaž Likozar, Matej Huš
National Institute of Chemistry, Department of Catalysis and Chemical Reaction Engineering, Slovenia
- P038 Beyond the surface: Investigating the role of factors influencing the electrochemical reduction of CO₂ to CO on a copper electrocatalyst**
Reza Gholizadeh¹, Matic Pavlin¹, Blaž Likozar¹, Matej Huš^{1,2}
¹*Department of Catalysis and Chemical Reaction Engineering, National Institute of Chemistry, Ljubljana, Slovenia*
²*Association for Technical Culture of Slovenia, Ljubljana, Slovenia*
- P039 Atomistic insight in ammonia absorption on silica-supported metal halides using molecular dynamics simulations**
Matic Pavlin, Matej Huš, Blaž Likozar
National Institute of Chemistry, Ljubljana, Slovenia
- P040 To recycle or not to recycle the plastic? – From the chemical additives point of view**
Katja Makovšek, Uroš Novak, Blaž Likozar
National Institute of Chemistry, Ljubljana, Slovenia
- P041 Combinations of washing agents for remediation of heavy metal polluted river sediment**
Jernej Imperl¹, Nika Artnak¹, Mitja Kolar¹, Mojca Božič²
¹*Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia*
²*Dravske elektrarne Maribor, d. o. o., Slovenia*

- P042 Subkritična ekstrakcija olja iz semen CHIE (*Salvia hispanica* L.) z n-propanom**
Gal Slaček¹, Maša Knez Marevci¹, Darija Cör Andrejč¹, Željko Knez^{1,2}
¹Fakulteta za kemijo in kemijsko tehnologijo, Univerza v Mariboru, Slovenija
²Medicinska fakulteta, Univerza v Mariboru, Slovenija
- P043 Avocado seeds as a source of antimicrobial compounds**
Kaja Kupnik², Mateja Primožič¹, Željko Knez^{1,3}, Maja Leitgeb^{1,3}
¹University of Maribor, Faculty of Chemistry and Chemical Engineering, Slovenia
²University of Maribor, Faculty of Mechanical Engineering, Slovenia
³University of Maribor, Faculty of Medicine, Slovenia
- P044 Functionalization of micellar structures obtained from medicinal mushrooms for therapeutic purposes**
Nika Kučuk¹, Mateja Primožič¹, Željko Knez^{1,2}, Maja Leitgeb^{1,2}
¹Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia
²Faculty of Medicine, University of Maribor, Slovenia
- P045 Supercritical CO₂ as a sustainable technology to control enzyme activity in flour**
Milena Ivanović¹, Željko Knez^{1,2}, Maja Leitgeb^{1,2}
¹Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia
²Faculty of Medicine, University of Maribor, Slovenia
- P046 Extraction of bioactive compounds from microalgae biomass using deep eutectic solvents**
Edita Bjelić¹, Filipa A. Vicente², Mersiha Suljkanović³, Jasmin Suljagić¹
¹University of Tuzla, Faculty of Technology, Bosnia and Herzegovina
²National Institute of Chemistry, Ljubljana, Slovenia
³University of Tuzla, Faculty of Natural Sciences and Mathematics, Bosnia and Herzegovina
- P047 Characterization of a multifunctional nanoadsorbent for efficient removal of heavy metals**
Katja Vasić^{1,2}, Mateja Primožič¹, Željko Knez^{1,3}, Maja Leitgeb^{1,3}
¹University of Maribor, Faculty of Chemistry and Chemical Engineering, Slovenia
²University of Maribor, Faculty of Electrical Engineering and Computer Science, Slovenia
³University of Maribor, Faculty of Medicine, Slovenia
- P048 Unlocking the potential of direct air capture: Experimental insights into ion exchange resin performance**
Dana Marinič^{1,2}, Janvit Teržan¹, Blaž Likozar^{1,2}
¹National Institute of Chemistry, Ljubljana, Slovenia
²University of Maribor, Slovenia
- P049 Effect of reaction parameters on the kinetics of 2-methyl quinoline as a new candidate for liquid organic hydrogen carrier**
Emilija Rakić^{1,6}, Miha Grilc^{1,2}, Blaž Likozar^{1,3,4,5}
¹National Institute of Chemistry, Ljubljana, Slovenia
²University of Nova Gorica, Slovenia
³Pulp and Paper Institute, Ljubljana, Slovenia
⁴Faculty of Polymer Technology, Slovenj Gradec, Slovenia
⁵Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia
⁶Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia

- P050** **Direct synthesis of a bioactive polyphenolic dilactone from a phenolic acid derivative**
Miša Mojca Cajnko, Anže Prašnikar, Blaž Likozar
National Institute of Chemistry, Ljubljana, Slovenia
- P051** **Subkritična voda kot zelena tehnologija za recikliranje odpadkov iz polimlečne kisline**
Maja Čolnik, Mihael Irgolič, Ema Šušteršič, Lidija Čuček, Željko Knez, Mojca Škerget
Fakulteta za kemijo in kemijsko tehnologijo, Univerza v Mariboru, Slovenija
- P052** **Uplinjanje odpadne lignocelulozne biomase v pod- in nadkritični vodi**
Chiara Železnik, Maja Čolnik, Mojca Škerget
Fakulteta za kemijo in kemijsko tehnologijo, Univerza v Mariboru, Slovenija
- P053** **The effect of blood on biodegradation of hygiene cotton pads**
Lidija Tušek¹, Viktorija Šega², Matejka Turel³, Andrej Holobar³, Andrej Zabret⁴, Lidija Fras Zemljič²
¹*SRC Bistra Ptuj, Slovenia*
²*University of Maribor, Faculty of Mechanical Engineering, Slovenia*
³*ECHO Instruments d.o.o., Slovenske Konjice, Slovenia*
⁴*Tosama d.o.o., Domžale, Slovenia*
- P054** **Modifikacija hidro-oglja iz industrijskih organskih odpadkov za namen adsorpcije barvil**
Patricija Završki, Sabina Vohl, Irena Ban, Lidija Čuček, Marjana Simonič, Aleksandra Petrovič
Fakulteta za kemijo in kemijsko tehnologijo, Univerza v Mariboru, Slovenija
- P055** **EUTOPIA learning community Global Connections Transdisciplinary approach: A new concept in international cooperation of universities**
Andreja Žgajnar Gotvajn¹, Heather Meyer², Silvia Morgades³, Marie-Pierre Arrizabalaga⁴, Melina Delmas²
¹*University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia*
²*University of Warwick, Advanced Teaching and Learning (IATL), United Kingdom*
³*Pompeu Fabra University, Department of Law, Barcelona, Spain*
⁴*CY Cergy Paris Université, Institute of International Studies and Modern Languages (UFR LEI), France*
- P056** **Zelena prenova študijskih programov: Trajnostni pristopi v kemijski tehnologiji**
Larisa Suhodolčan, Andreja Žgajnar Gotvajn, Marjan Marinšek, Tina Skalar
Fakulteta za kemijo in kemijsko tehnologijo, Univerza v Ljubljani, Slovenija
- P057** **Zeleni prehod v kemijski tehnologiji: Razvoj in implementacija mikro dokazil**
Rok Ambrožič¹, Andreja Žgajnar Gotvajn¹, Mojca Seručnik¹, Maša Legan¹, Vesna Ferk Savec², Katarina Mlinarec², Tadej Menegatti¹, Igor Plazl¹, Uroš Lotrič³, Nejc Ilc³, Polona Žnidaršič Plazl¹, Vasilka Sancin⁴, Maša Kovič-Dine⁴
¹*Fakulteta za kemijo in kemijsko tehnologijo, Univerza v Ljubljani, Slovenija*
²*Pedagoška fakulteta, Univerza v Ljubljani, Slovenija*
³*Fakulteta za računalništvo in informatiko, Univerza v Ljubljani, Slovenija*
⁴*Pravna fakulteta, Univerza v Ljubljani, Slovenija*

- P058** **DigiChem – Creating a digital study environment for sustainable chemistry**
Urška Lavrenčič Štangar¹, Jernej Iskra¹, Hrvoje Kušić², Silvia Gross³,
Bernd Smarsly⁴, Richard Göttlich⁴
¹University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia
²University of Zagreb, Faculty of Chemical Engineering and Technology, Croatia
³University of Padova, Department of Chemical Sciences, Italy
⁴Justus Liebig University Giessen, Department of Chemistry, Germany
- P059** **Modelling water for calorimetry of proteins**
SPC Knarik Yeritsyan, Artem Badasyan
University of Nova Gorica, Slovenia
- P060** **How electric field changes properties of rose water model**
SPC Peter Ogrin, Tomaž Urbič
Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia
- P061** **Prediction of aqueous solubility with QSAR modelling**
SPC Katarina Velkov¹, Katja Venko², Viktor Drgan², Marjana Novič²
¹Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia
²National Institute of Chemistry, Ljubljana, Slovenia
- P062** **Structure-based optimization of oxymethylene cyclohexane NBTI**
SPC **antibacterials with diminished hERG inhibitory activity**
Maša Zorman, Nikola Minovski
National Institute of Chemistry, Ljubljana, Slovenia
- P063** **Synthesis of mesoporous SiO₂ materials with additives for pore size tuning**
SPC Anže Devjak^{1,2}, Erika Švara Fabjan¹, Peter Nadrah¹
¹Slovenian National Building and Civil Engineering Institute, Ljubljana, Slovenia
²University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia
- P064** **Mesoporous Al₂O₃ materials with various pore sizes**
SPC Klara Šparlek^{1,2}, Goran Dražič³, Anton Meden², Erika Švara Fabjan¹
¹Slovenian National Building and Civil Engineering Institute, Ljubljana, Slovenia
²University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia
³National Institute of Chemistry, Ljubljana, Slovenia
- P065** **Versatile synthesis of gold nanoparticles for biomedical applications:**
SPC **Tuning shape, size and surface modification**
Maja Caf^{1,2}, Slavko Kralj^{1,2}
¹Jožef Stefan Institute, Ljubljana, Slovenia
²Faculty of Pharmacy, University of Ljubljana, Slovenia
- P066** **Coordination compounds of vanadium(IV) with picolinic acid derivatives**
SPC Mišel Hozjan, Franc Perdih
University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia

- P067**
SPC
Effects of La-doping on the ground state of SrCu₂(BO₃)₂
Lia Šibav^{1,2}, Tilen Knaflič^{1,3}, Zvonko Jagličič^{4,5}, Graham King⁶, Maja Koblar¹,
Mojca Otoničar^{1,2}, Kirill Povarov⁷, Sergei Zvyagin⁷, Denis Arčon^{1,3},
Mirela Dragomir^{1,2}
¹*Jožef Stefan Institute, Ljubljana, Slovenia*
²*Jožef Stefan International Postgraduate School, Ljubljana, Slovenia*
³*Faculty of Mathematics and Physics, University of Ljubljana, Slovenia*
⁴*Institute of Mathematics, Physics and Mechanics, Ljubljana, Slovenia*
⁵*Faculty of Civil and Geodetic Engineering, University of Ljubljana, Slovenia*
⁶*Canadian Light Source, Saskatoon, Canada*
⁷*Dresden High Magnetic Field Laboratory, Helmholtz-Zentrum Dresden Rossendorf, Germany*
- P068**
SPC
The influence of pyrocatechol on the chemical stability of barium hexaferrite nanoplatelets
Katja Drobež^{1,2}, Darja Lisjak¹
¹*Jožef Stefan Institute, Ljubljana, Slovenia*
²*Jožef Stefan International Postgraduate School, Ljubljana, Slovenia*
- P069**
SPC
Chemisorption of phosphonic acids on barium hexaferrite nanoplatelets
Nina Popov¹, Ali Tufani¹, Jošt Tručl¹, Tomáš Landovský², Martin Cigl²,
Darja Lisjak¹
¹*Jožef Stefan Institute, Ljubljana, Slovenia*
²*Institute of Physics AS CR v.v.i., Prague, Czech Republic*
- P070**
SPC
Structural and synthetic novelties in the XeF₂-VOF₃ system
Olha Sanko^{1,2}, Erik Uran^{1,2}, Matic Lozinšek^{1,2}
¹*Jožef Stefan Institute, Ljubljana, Slovenia*
²*Jožef Stefan International Postgraduate School, Ljubljana, Slovenia*
- P071**
SPC
Determination of flavoring additives and metals in e-liquids
Matjaž Rantaša, David Majer, Matjaž Finšgar
Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia
- P072**
SPC
Evaluation of electrochemical sensor performance using impedance spectroscopy
Abhilash Krishnamurthy^{1,2}, Kristina Žagar Soderžnik^{1,2}
¹*Department for Nanostructured Materials, Jožef Stefan Institute, Ljubljana, Slovenia*
²*Jožef Stefan International Postgraduate School, Ljubljana, Slovenia*
- P073**
SPC
Validation of a procedure for the determination of total carbon (TC) in solid samples of ilmenite, titanium slag and TiO₂ pigment using the Enviro TOC analyzer
Tina Selič¹, Mitja Kolar¹, Jurij Pustinek², Janja Ojsteršek², Simona Bergant²
¹*University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia*
²*Cinkarna, Metallurgical and Chemical Industry Celje, Slovenia*
- P074**
SPC
The use of analytical methods in combination with principal component analysis for determination of wine characteristics
Tina Šegina, Jernej Imperl, Gregor Marolt
Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia

- P075**
SPC
Kovinski implantati v umetni slini: Vpliv želodčne kisline in vnetnih produktov
Tajda Flis, Janja Stergar, Mojca Slemnik
Fakulteta za kemijo in kemijsko tehnologijo, Univerza v Mariboru, Slovenija
- P076**
SPC
Konopljne apnene malte z dodatkom portlandskega cementa in mlete granulirane plavžne žindre
Jernej Gaberc¹, Zorka Novak Pintarič², Andrej Ivanič³, Samo Lubej³, Živa Doberšek³, Nikolina Škrilec³, Tinkara Kovačič², Dejana Markova³, Andreja Kumer³, Nejc Časar³, David Virag³, Jan Čokolič², Gregor Kravanja^{2,3}
¹*Gorenjska gradbena družba, Kranj, Slovenija*
²*Fakulteta za kemijo in kemijsko tehnologijo, Univerza v Mariboru, Slovenija*
³*Fakulteta za gradbeništvo, prometno inženirstvo in arhitekturo, Univerza v Mariboru, Slovenija*
- P077**
SPC
Exploring the synergies of gamma alumina and sulfate salt hydrates in thermochemical energy storage
Jakob Gotthilf Smith¹, Jakob Werner¹, Frieda Maria Kapsamer¹, Alenka Ristić², Andreas Werner³, Peter Weinberger¹
¹*Institute of Applied Synthetic Chemistry, Vienna University of Technology, Austria*
²*National Institute of Chemistry, Ljubljana, Slovenia*
³*Institute for Energy Systems and Thermodynamics, Vienna University of Technology, Austria*
- P078**
SPC
Green synthesis of ZIF-71 and ZIF-93 with preliminary evaluation for heat storage applications
Katja Vodlan^{1,2}, Ciara Byrne^{2,3}, Amalija Golobič¹, Nataša Zabukovec Logar^{2,3}
¹*Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia*
²*National Institute of Chemistry, Ljubljana, Slovenia*
³*School of Science, University of Nova Gorica, Slovenia*
- P079**
SPC
Fluorescent molecular probe synthesis and photophysical assays: Toward detection of Alzheimer disease
Matic Rogan¹, Luka Rejc¹, Bruno Aleksander Martek¹, Ana Dremelj¹, Jerneja Kladnik¹, Damijana Urankar¹, Ross Jansen van Vuuren¹, Andrej Petrič¹, Janez Košmrlj¹, Gabriela Molina-Aguirre², Balazs Pinter², Matic Lozinšek³
¹*University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia*
²*The University of Texas at El Paso, TX, USA*
³*Jožef Stefan Institute, Ljubljana, Slovenia*
- P080**
SPC
Sustainable solutions: Progressing towards immobilisation and recycling in H/D exchange catalysis
Luka Jedlovčnik, Ross David Jansen-van Vuuren, Jakob Höfferle, Damijana Urankar, Janez Košmrlj
Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia
- P081**
SPC
Mesoionic N-heterocyclic olefins: Preparation and reactivity
Tisa Ževart, Damijana Urankar, Janez Košmrlj
University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia
- P082**
SPC
Photoredox arylations of 4-oxo-4H-pyrido[1,2-a]pyrimidine-3-diazonium tetrafluoroborate and related heteroaryl diazonium salts
Kris Antolinc, Timotej Šuman, Helena Brodnik, Uroš Grošel, Bogdan Štefane, Nejc Petek, Jurij Svete
University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia

- P083**
SPC
Photoredox-catalyzed transformations of trichloromethanesulfonyl chloride
Tilen Zorko, Nejc Petek, Bogdan Štefane
Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia
- P084**
SPC
The synthesis and application of functionalised iridium-based catalysts for H/D exchange
Jakob Höfferle, Ross Jansen-van Vuuren, Luka Jedlovčnik, Damijana Urankar, Janez Košmrlj
University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia
- P085**
SPC
Automated structure elucidation of organic molecules based on experimental spectroscopic data with Schamrnica
Jure Jakoš¹, Andraž Juvan², Matevž Pesek², Matija Marolt², Janez Košmrlj¹, Martin Gazvoda¹
¹*University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia*
²*University of Ljubljana, Faculty of Computer and Information Science, Slovenia*
- P086**
SPC
Sinteza 1,2,3-triazolijevih soli – kako in zakaj?
Blaž Kisovec, Tisa Ževart, Damjana Urankar, Janez Košmrlj
Univerza v Ljubljani, Fakulteta za kemijo in kemijsko tehnologijo, Slovenija
- P087**
SPC
Triazolylation: Incorporating NH-triazole into biomolecules
Dominik Jankovič, Anže Jenko, Martin Gazvoda
University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia
- P088**
SPC
Controlling phenol iodination and transition-metal-free radical coupling
Martin Rihtaršič, Jernej Iskra
Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia
- P089**
SPC
Characterisation of native cellulose-based hydrogels
Jan Hočevar¹, Damjan Makuc², Janez Plavec^{1,2}, Romana Cerc Korošec¹, Jernej Iskra^{1,3}
¹*Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia*
²*Slovenian NMR Center, National Institute of Chemistry, Ljubljana, Slovenia*
³*RGA research genetics and agrochemistry, Murska Sobota, Slovenia*
- P090**
SPC
Ball milling - an environmentally friendly and cost-effective approach for the synthesis of hybrid g-C₃N₄/TiO₂ photocatalysts
Matevž Roškarič, Gregor Žerjav, Albin Pintar
Department of Inorganic Chemistry and Technology, National Institute of Chemistry, Ljubljana, Slovenia
- P091**
SPC
Immobilization of TiO₂ for photocatalytic generation of hydroxyl radicals in a custom-made microreactor system
Špela Črv¹, Matevž Roškarič², Gregor Žerjav², Igor Plazl¹, Albin Pintar²
¹*University of Ljubljana, Faculty of Chemistry and Chemical Technology, Slovenia*
²*National Institute of Chemistry, Ljubljana, Slovenia*
- P092**
SPC
Modeling and simulation of ruthenium nanoparticles for ammonia synthesis
Luka Skubic¹, Sašo Gyergyek¹, Blaž Likozar², Matej Huš²
¹*Jožef Stefan Institute, Ljubljana, Slovenia*
²*National Institute of Chemistry, Ljubljana, Slovenia*

- P093**
SPC
Ru-decorated magnetic iron oxide/alumina nanocomposite catalysts for furfural hydrotreatment
Jakov-Stjepan Pavelić¹, Anja Sedminek², Žiga Ponikvar², Andraž Kocjan³, Darko Makovec², Blaž Likozar¹, Sašo Gyergyek², Miha Grilc¹
¹*Department of Catalysis and Chemical Reaction Engineering, National Institute of Chemistry, Ljubljana, Slovenia*
²*Department for Synthesis of Materials, Jožef Stefan Institute, Ljubljana, Slovenia*
³*Department for Nanostructured Materials, Jožef Stefan Institute, Ljubljana, Slovenia*
- P094**
SPC
Hydrogen adsorption/desorption on platinum nanoparticles supported on silica
Aleksandra Zamljen^{1,2}, Anže Prašnikar¹, Blaž Likozar^{1,3,4}
¹*Department of Catalysis and Chemical Reaction Engineering, National Institute of Chemistry, Ljubljana, Slovenia*
²*Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia*
³*Pulp and Paper Institute, Ljubljana, Slovenia*
⁴*Faculty of Polymer Technology, Slovenj Gradec, Slovenia*
- P095**
SPC
Synthesis and analysis of supported bimetallic RuCo catalysts
Žiga Ponikvar¹, Anja Sedminek¹, Janvit Teržan², Blaž Likozar², Darko Makovec¹, Sašo Gyergyek¹
¹*Jožef Stefan Institute, Ljubljana, Slovenia*
²*National Institute of Chemistry, Ljubljana, Slovenia*
- P096**
SPC
Thermal and photo-thermal methanol synthesis with modified Cu/ZnO catalysts
Miha Okorn¹, Petar Djinović^{1,2}
¹*National Institute of Chemistry, Ljubljana, Slovenia*
²*University of Nova Gorica, Slovenia*
- P097**
SPC
Pervaporative desalination of concentrated brines using zeolitic octahedral metal oxide membranes
Chaomin Chen^{1,2}, Qianqian Zhu¹, Zhenxin Zhang¹, Yanshuo Li¹
¹*School of Materials Science and Chemical Engineering, Ningbo University, China*
²*Department of Catalysis and Chemical Reaction Engineering, National Institute of Chemistry, Ljubljana, Slovenia*
- P098**
SPC
Mild HTC of paper sludge - Solid, liquid products, by-products and their applications
Vid Bačar, Matej Žula, Blaž Likozar
National Institute of Chemistry, Ljubljana, Slovenia
- P099**
SPC
Wood waste biochar-containing mortars: Waste reduction and carbon footprint reduction potential
Maša Legan¹, Andreja Žgajnar Gotvajn¹, Petra Štukovnik², Klementina Zupan¹
¹*Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia*
²*Faculty of Civil and Geodetic Engineering, University of Ljubljana, Slovenia*

- P100**
SPC
Odstranjevanje mikro in nanoplastike iz vode s pomočjo magnetnih nanodelcev
Melissa Sterniša, Neža Šantl, Neža Zanjcovič, Gašper Dimnik, Janja Stergar, Matjaž Kristl, Sabina Vohl
Fakulteta za kemijo in kemijsko tehnologijo, Univerza v Mariboru, Slovenija
- P101**
SPC
Study of the solid-liquid equilibrium for the binary system of (-)-menthol and myristic acid
Jure Konjar, Andreja Goršek, Darja Pečar
Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia
- P102**
SPC
Depolimerizacija ligninskih frakcij z Ni/C: Vpliv strukturnih lastnosti na porazdelitev produktov
Teodor Maurer¹, Ema Zdovc¹, Alenka Mozer¹, Tina Ročnik Kozmelj², Blaž Likozar²
¹*Gimnazija Vič, Ljubljana, Slovenija*
²*Kemijski inštitut, Ljubljana, Slovenija*
- P103**
SPC
Structured magnetic catalysts: A promising platform for electrified catalysis
Anja Sedminek^{1,2}, Darko Makovec¹, Žiga Ponikvar^{1,2}, Andraž Kocjan¹, Janvit Teržan^{1,3}, Blaž Likozar³, Vesna Middelkoop⁴, Farnaz Sotoodeh⁵, Sašo Gyergyek¹
¹*Jožef Stefan Institute, Ljubljana, Slovenia*
²*University of Maribor, Faculty of Chemistry and Chemical Engineering, Slovenia*
³*National Institute of Chemistry, Ljubljana, Slovenia*
⁴*VITO NV, Mol, Belgium*
⁵*C2CAT B.V., Amstelveen, The Netherlands*
- P104**
SPC
Fluorine-free hydrophobic coating for textile materials
Petra Jerič^{1,2}, Anja Verbič¹, Blaž Likozar¹, Uroš Novak¹
¹*National Institute of Chemistry, Ljubljana, Slovenia*
²*Jožef Stefan International Postgraduate School, Ljubljana, Slovenia*
- P105**
SPC
Formation and characterization of *Staphylococcus Epidermidis* biofilm in a custom-built, continuous bioreactor system
Ana Lisac¹, Aleš Podgornik^{1,2}
¹*Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia*
²*COBIK, Ajdovščina, Slovenia*
- P106**
SPC
Hybrid aqueous suspensions of graphene oxide and TEMPO-oxidized cellulose nanofibrils
Iris Malnarič, Urška Šebenik
Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia
- P107**
SPC
Hydrolysis of bicarboxylic acid methyl ester
Maja Gabrič, Žan Lavrič, Miha Grilc
Department of Catalysis and Chemical Reaction Engineering, National Institute of Chemistry, Ljubljana, Slovenia
- P108**
SPC
Tandemsko poučevanje – prihodnost poučevanja STEAM predmetov?
Kaja Bračič, Katja Stanič, Janja Majer Kovačič
Fakulteta za naravoslovje in matematiko, Univerza v Mariboru, Slovenija

- P109**
SPC
Exploring student perceptions of chemical calculations: Emotional challenges and relationships
Vesna Hriberšek, Janja Majer Kovačič
University of Maribor, Faculty of Natural Sciences and Mathematics, Slovenia
- P110**
SPC
Pedagogical practice and its significance for the development of pedagogical-content knowledge for pre-service chemistry teachers: Analysis of reflections and connections with PCK
Mojca Oprčkal, Špela Podgrajšek, Janja Majer Kovačič
University of Maribor, Faculty of Natural Sciences and Mathematics, Slovenia

Legend: SPC – Student paper contest



Slovensko kemijsko društvo
Slovenian Chemical Society

SLOVENSKI KEMIJSKI DNEVI 2023

E-POSTER



KONGRESNI CENTER
GRAND HOTELA
BERNARDIN, PORTOROŽ

Družabna dogodka / Social events



Družabno srečanje / Get-together party

sreda, 13. september 2023 / Wednesday, 13 September 2023 • 20:00-22:00

V znamenju dobrodošlice za udeležence konference »Slovenski kemijski dnevi 2023« pripravljamo neformalno druženje v koktajl salonu in piano baru Grand hotela Bernardin. Med druženjem boste lahko uživali ob izbrani pijači in prigrizkih. Udeležba na družabnem srečanju je vključena v kotizacijo.

To welcome the participants of the 29th Annual Meeting of the Slovenian Chemical Society, an informal gathering will be held in the Cocktail Lounge and Piano Bar of the Grand Hotel Bernardin. During the evening you will enjoy a selection of drinks, a cold/hot buffet and light music. The get-together party is included in the registration fee.

Konferenčna večerja / Conference dinner

četrtek, 14. september 2023 / Thursday, 14 September 2023 • 19:15-23:59

Konferenčno večerjo, ki je vključena v kotizacijo, pripravljamo na ploščadi International ob hotelu Histron. Menu zajema aperitiv in bogato pogostitev z regionalnimi jedmi ter odličnimi slovenskimi vini. Za glasbo in zabavo bo poskrbljeno.

The conference dinner, held at the Terrace International of the St. Bernardin Adriatic Resort and Convention Center, is included in the registration fee. The fee covers an aperitif followed by a regional meal accompanied by excellent Slovenian wines. An entertainment program will also be offered.

E-razstava / E-exhibition

13.-15. september 2023 • Preddverje dvorane Europa / 13-15 September 2023 • Foyer of the Europa Conference Hall



Ta e-razstava prikazuje trenutke, ujete na znanstvenih dogodkih, organiziranih pod okriljem Slovenskega kemijskega društva, od leta 2019 do zadnje konference v letu 2022. Oglejte si fotografije in obujajte spomine! // O fotografu Romelu Lapayu: Fotograf je introvertirana oseba z nagnjenjem k zajemanju spontanih in neposrednih trenutkov. Njegov cilj je ujeti pravo bistvo fotografirane osebe in ovekovečiti ta edinstven in pristen občutek.

This e-exhibition shows moments captured during scientific events organized by the Slovenian Chemical Society, starting in 2019 and ending with the last conference in 2022. Please take a look at the photos and relive the memories! // About the photographer Romel Lapay: The photographer is an introvert with a penchant for capturing spontaneous and unguarded moments. His goal is to capture the true essence of the person being photographed and to capture that unique and authentic feeling.

Splošne informacije

Parkirišče

Za udeležence konference bo v Grand hotelu Bernardin na voljo brezplačno zunanje parkirišče.

Identifikacijske kartice

Vse udeležence vljudno naprošamo, da v času konference nosijo svoje identifikacijske kartice. V primeru izgubljene kartice bo pri registracijskem pultu na voljo nova.

Dostop do interneta

Brezžični dostop do omrežja na celotnem prizorišču konference je na voljo brezplačno. Ker lahko dostop do W-LAN uporabljajo vsi obiskovalci, je možna zmanjšana učinkovitost dostopa.

Jezik

Vsa predavanja bodo potekala v angleščini in/ali slovenščini. Simultanega prevoda ne bo.

Odmori za kavo

Kava, čaj in osvežilne pijače bodo postrežene v preddverju kongresnega centra. Odmori za kavo so vključeni v kotizacijo.

Kosilo

Med odmoroma za kosilo vam bodo v restavracijah Grand hotela Bernardin postregli z raznolikim menijem. Kosilo ni vključeno v kotizacijo.

Fotografiranje

Uporaba fotoaparata, video kamer in kamer mobilnih naprav v času predavanj in med postersko sekcijo ni dovoljena.

Kajenje

Kajenje v kongresnem centru ni dovoljeno. Vljudno vas naprošamo, da kadite samo na določenih območjih za kajenje.

Taksi

V primeru, da potrebujete taksi prevoz, vam bo osebje v recepciji Grand hotela Bernardin z veseljem pomagalo.

Zavarovanje

Organizator konference ni odgovoren za kakršnokoli poškodbo udeležencev, škodo, tatvino ali izgubo osebnih stvari. Udeleženci morajo sami poskrbeti za zavarovanje.

Nujni klici

Policija	113
Reševalna / gasilska enota	112

General information

Currency

The official currency in Slovenia is EURO (€). Major credit cards (MasterCard/Eurocard, Visa, Diners and American Express) are accepted in hotels, department stores and restaurants.

Cash dispensers

Cash dispensers are available in all banks. ATMs are also available in the lobby of the Grand Hotel Bernardin (11th floor), in Hotel Histron and in the shopping street in St. Bernardin Resort.

Electricity

Power supply is 230 V AC, 50 Hz. It is recommended to have a suitable plug-in for Slovenian standard (i.e. EU plug types C and F).

Parking

Free outdoor parking area will be provided for the conference participants.

Name badges

All participants are kindly requested to wear their name badges throughout the conference. In case you lost your badge, a new one will be available at the registration desk.

Internet access

W-LAN access throughout the conference venue is available free of charge. As the W-LAN access can be used by all visitors, a loss of efficiency is possible.

Conference language

All sessions will be held in English and/or Slovene. There will be no simultaneous translation.

Coffee breaks

Coffee, tea and refreshments will be served in the exhibition and poster area and are included in the registration fee.

Lunch

Various meals will be served during the lunch breaks in the restaurants of Grand Hotel Bernardin at your own expense.

Photography

The use of cameras, video cameras and cellphone photography is prohibited during program sessions or in the poster exhibition.

Smoking

Smoking is prohibited inside the venue. You are kindly requested to smoke within the designated smoking areas only.

Taxi

In case you need a taxi, the front desk staff of Grand Hotel Bernardin will be glad to assist you.

Insurance

The organizer may not be held responsible for any injury to participants' damage, theft and loss of personal belongings. Participants should therefore make their own insurance arrangements.

Emergency services

Police call	113
Ambulance / Fire brigade	112

Partnerji in sponzorji / Partners and sponsors

Diamantni partner / Diamond partner



Zlati sponzor / Gold sponsor



Srebrni sponzorji / Silver sponsors



Bronasti sponzorji / Bronze sponsors



Organizacijski odbor se zahvaljuje partnerjem in sponzorjem za podporo.
The organizing committee would like to thank the partners and sponsors for their support.

Razstavljalci / Exhibitors

 **ANALYSIS**
ADRIA
LABORATORY EQUIPMENT

 **Anton Paar**

 **bia**
30 years
TRUSTED LAB
PARTNER

 **CHEMASS**
FURNITURE SYSTEMS

 **CINKARNA**

 **DONAU LAB** Ljubljana
Member of LPPgroup

 **KEF**

 **KEMOMED**
PRINAŠAMO REŠITVE

 **KOBIS**

 **LABORATORIUM**

 **Labtim**

 **lek**
član skupine Sandoz

 **LKB**
Excellence in Routine and Science

 **MEDIPRO**
trženje in raziskave d.o.o.

 **MERCK**

 **MEREL**

 **METTLER TOLEDO**

 **omegac**

 **OPTIK**
INSTRUMENTS

 **primakem**

 **PRIMALab**
a member of the Merck group

 **Sanolabor**

 **Vigor**



**“KO KEMIJA
POSTANE
ŽIVLJENJE”**



Slovensko kemijsko društvo
Slovenian Chemical Society



Kontakt / Contact

Slovensko kemijsko društvo / Slovenian Chemical Society

Hajdrihova 19, SI-1001 Ljubljana, Slovenia

Tel.: +386 1 47 60 252 | Fax: +386 1 47 60 300 | E-mail address: chem.soc@ki.si





Slovensko kemijsko društvo
Slovenian Chemical Society

13-15-09-23

P

**PROGRAM
PROGRAMME**