

DRUŠTVENE VESTI IN DRUGE AKTIVNOSTI

SOCIETY NEWS, ANNOUNCEMENTS, ACTIVITIES

Vsebina

Poročilo o delu v letu 2021	S51
Koledar važnejših znanstvenih srečanj s področja kemije in kemijske tehnologije	S56
Navodila za avtorje	S60

Contents

Report for 2021	S51
Scientific meetings – Chemistry and chemical engineering.....	S56
Instructions for authors	S60

POROČILO PREDSEDNIKA SLOVENSKEGA KEMIJSKEGA DRUŠTVA O DELU DRUŠTVA V LETU 2021

Tudi v letu 2021 je bilo društvo aktivno na številnih področjih. Izvajali smo redne letne aktivnosti, pri katerih je bil glavni poudarek na rednem izdajanju društvene revije *Acta Chimica Slovenica* (ACSi) ter organizaciji največjega letnega dogodka društva, konference »Slovenski kemijski dnevi 2021«.

Rednim aktivnostim so se pridružile tudi aktivnosti ob 70. letnici društva. Tako smo 15. februarja organizirali online slovesnost ob 70. letnici društva, kjer so lahko člani in drugi vabljeni ter zainteresirani poslušalci prisostvovali dvema vabljenima predavanj. Prvo predavanje z naslovom *Z živim srebrom do srebra – Od alkimije do kemije* in slovenski prispevek k postopku, ki je spremenil svet, je izvedel prof. dr. Alojz Demšar, drugo, z naslovom *Računalnik in kemija – Zaveznika v boju proti raku* pa prof. dr. Urban Bren. Dogodek smo popestrili s prikazom voščil, ki so nam jih namenila sorodna društva po svetu ter slovenske partnerske institucije. Ob tej priložnosti se zahvaljujem prof. dr. Zorki Novak Pintarič za odlično vodenje dogodka, hkrati pa zahvala tudi podjetjem Krka d.d., Novo mesto, Kemomed, Aquafil, Primalab in Mettler Toledo za sponzorsko podporo pri organizaciji slovesnosti. Za 23. september načrtovana slavnostna akademija ob 70. letnici društva in podelitev častnih ter zaslužnih članstev ter priznanj društva je bila zaradi Covid-19 razmer preložena na leto 2022.

Za namen 70. letnice je bila oblikovana tudi nova grafična podoba, ki smo jo prikazali na plaketi »70 let«, roll-upih, power point predlogah in vabilih.

23. junija 2021 smo izvedli redni občni zbor društva, kjer smo izvolili nove vodstvene organe društva, častne, zaslužne člane ter prejemnike priznanj, glasovali pa smo tudi o spremembah in dopolnitvah statuta ter združitvi Sekcije za analizo kemije in Spektroskopsko sekcijo v skupno sekcijo.

Slovenski kemijski dnevi 2021 so bili organizirani v Portorožu, v Kongresnem centru Grand hotela Bernardin, in sicer v dneh od 22. do 24. septembra 2021. Programskemu in organizacijskemu odboru je predsedoval znan. svet. dr. Albin Pintar, skupaj s člani odbora v zasedbi prof. dr. Romana Cerc-Korošec, prof. dr. Zorka Novak Pintarič, prof. dr. Darja Lisjak, doc. dr. Matic Lozinšek, prof. dr. Matjaž Valant, dr. Silvo Zupančič in Marjana Gantar Albreht.

Na konferenci je bilo predstavljenih preko 200 prispevkov v obliki predavanj in posterjev, kar je največ v zadnjih petih letih. Delo je potekalo plenarno in v treh vzporednih sekcijah. Udeleženci konference, bilo jih je 305 iz Slovenije in sedmih drugih držav, so bili zelo zadovoljni s kakovostjo znanstvenih in strokovnih prispevkov ter družabnim programom srečanja. Na konferenci je sodelovalo tudi 19 razstavljalcev laboratorijske in procesne opreme. Sponzorji dogodka so bili Kemijski inštitut, Cin-

karna, AquafilSLO, Kemomed, Kobis, Krka, Laboratorij, Merck, Mettler Toledo, Optik Instruments, Primalab in Vigor. Objavili smo zbornik povzetkov konference, ki je dostopen na USB ključu ter na voljo v NUK-u in strokovnih knjižnicah po Sloveniji.

Plenarni predavatelji na konferenci so bili prof. dr. Barbara Malič (Institut »Jožef Stefan«, Ljubljana), dr. Ute Resch-Genger (Federal Institute for Materials Research and Testing, Berlin, Nemčija) in dr. Lukas Palatinus (Institute of Physics of the Czech Academy of Sciences, Praga, Češka). Poleg treh plenarnih predavanj so udeleženci poslušali šest »keynote« vabljenih predavanj, ki so jih izvedli izr. prof. dr. Kristina Žužek Rožman (Institut »Jožef Stefan«, Ljubljana), izr. prof. dr. Griša Močnik (Univerza v Novi Gorici in Institut »Jožef Stefan«, Ljubljana), prof. dr. Irena Kralj Cigić (Fakulteta za kemijo in kemijsko tehnologijo, Univerza v Ljubljani), dr. Sebastijan Kovačič (Kemijski inštitut, Ljubljana), prof. dr. Maja Leitgeb (Fakulteta za kemijo in kemijsko tehnologijo, Univerza v Mariboru) in dr. Igor Mihelič (Melamin d.d., Kočevje).

Ob zaključku konference smo že tradicionalno podelili nagrade doktorskim študentom za najboljša predavanja in posterske predstavitve. Finančni del podeljenih nagrad je sponzoriral Kemijski inštitut.

V letu 2021 smo v reviji **Acta Chimica Slovenica** (ACSi) izdali 4 številke revije, v katerih je bilo skupaj objavljenih 94 originalnih znanstvenih člankov na skupno 1026 straneh z dvokolonskim tiskom. Članki pokrivajo vsa področja kemije, kemije materialov in kemijskega in biokemijskega inženirstva. Od objavljenih člankov so bili štirje tako imenovani »Feature Articles« (FA) in eden »Review Articles« (RA). Vsi članki so objavljeni na spletu in so prosto dostopni. Poleg tega so objavljeni tudi v več podatkovnih bazah. Vseh člankov, ki so bili leta 2020 oddani v uredniški sistem, je bilo 705, kar pomeni, da jih je bilo na koncu sprejetih okoli 13%. Člani Slovenskega kemijskega društva in avtorji člankov prejmejo elektronsko obvestilo o izidu nove številke. Reviji ACSi se vztrajno viša faktor vpliva. Za leto 2020 je faktor vpliva zrastel na 1,735 (iz 1,1223 v letu 2019). Tako je revija napredovala iz četrtega v tretji kvartil. Sprememb uredniške politike in s tem vsebine revije ni bilo, zato v letu 2022 nadaljujemo po isti poti. V društvenih vesteh smo objavili seznam diplomskih, magistrskih in doktorskih del FKKT UL, FKKT UM, podiplomskega študijskega programa »Znanosti o okolju« in Fakultete za znanosti okolju, UNG v letu 2020. Objavili smo tudi letna poročila sekcij. V letu 2021 so društvene vesti obsegale 122 strani. Na društvenih straneh sta bila poleg ostalih novic objavljena zanimiv strokovni članek avtorja dr. M. Dolinarja in predstavitev nove znanstvene monografije avtorjev dr. J. Faganelija ter dr. A. Maleja.

Zahvaljujem se tudi vsem inštitucijam, ki so v letu 2021 finančno podprle izdajanje revije Acta Chimica Slovenica. Te so Fakulteta za kemijo in kemijsko tehnologijo Univerze v Ljubljani, Fakulteta za kemijo in kemijsko tehnologijo Univerze v Mariboru, Kemijski inštitut in Inštitut »Jožef Stefan«. Sponzorji revije so bili z objavo oglasa Krka d.d., Novo mesto, Donau Lab d.o.o. Ljubljana, Helios Domžale, d.o.o. in Sandoz.

V letu 2021 smo nadaljevali z aktivnostmi za pridobivanje novih članov. Medse smo jih privabili 22, od tega 19 študentov. Za komunikacijo s člani smo pogosteje uporabljali Facebook in Twitter omrežje ter jih obveščali o dogodkih po elektronski pošti.

Člani Slovenskega kemijskega društva so bili aktivni tudi na področju mednarodnega sodelovanja. Predvsem je potrebno omejiti članstvo društva v mednarodnih zdru-

ženjih IUPAC, ECTN, IUCr, EURACHEM, EuChemS, EFCE, EPF, ECA in EFCATS.

Izpostaviti gre tudi sodelovanje pri organizaciji konference 9th European variety in university chemistry education conference (EUROVARIETY 2021), ki je je organizirala Pedagoška fakulteta UL, pod okriljem organizacije EuChemS in Komisije za izobraževanje pri Slovenskem kemijskem društvu

Društvo se je v letu 2021 uspešno prijavilo na Javni razpis ARRS za sofinanciranje delovanja v mednarodnih znanstvenih združenjih v letu 2021, kjer smo bili uspešni pri vseh oddanih vlogah.

*prof. dr. Ksenija Kogej, glavna urednica ACSi
dr. Albin Pintar, predsednik organizacijskega odbora
konference Slovenski kemijski dnevi
dr. Peter Venturini, predsednik društva*

Poročilo o delovanju in aktivnostih Mariborske podružnice v letu 2021

Mariborska podružnica se je v letu 2021 usmerila v izpolnitev ciljev, ki si jih je zastavila v preteklem letu.

V Portorožu smo se udeležili konference Slovenski kemijski dnevi, kjer smo predsedovali pri različnih sekcijah, sodelovali smo kot pr edavatelji in kot predstavniki prispevkov na posterjih ter v komisiji za ocenjevanje študentskih del.

Skrb Mariborske podružnice je tudi stalno izobraževanje članov. V ta namen smo organizirali strokovna predavanja in razne seminarje, na katerih so predavali priznani tuji in domači strokovnjaki. Predavanja so pokrivala pomembna področja teoretične in uporabne kemije, kemijske in procesne tehnike ter kemijskega izobraževanja.

Gostili smo Dr. Bojana Kulčarja iz Leka Lendava, ki je predstavil podjetje in svoje izkušnje prenosa znanja iz matične fakultete v industrijsko okolje. Podobno predstavitve je izvedel dr. Žan Zore iz Etola (Celje).

Na predlog Fakultete za kemijo in kemijsko tehnologijo Univerze v Mariboru je naziv častni doktor prejel prof.

dr. Rafiqul Gani za izjemne dosežke in zasluge pri razvoju in delovanju Fakultete za kemijo in kemijsko tehnologijo Univerze v Mariboru. S svojim delom je prispeval večanju ugleda naše članice.

Gostili smo prof. dr. Kathleen Aviso in prof. dr. Michael Angelo Promentilla (Univerza De La Salle, Filipini), ki sta izvedla 2-tedensko predavanje na temo optimiranja procesov.

Aktivno smo sodelovali tudi pri mednarodnih politnih šolah. V mesecu juliju je na naši fakulteti potekala mednarodna polenta šola na temo visokotlačnih tehnologij: 'ESS-HPT 2021' *The European Summer school in High Pressure Technology*, ki jo je organiziral naš Laboratorij za separacijske procese in produktno tehniko v sodelovanju s Tehnološko fakulteto v Gradcu.

Matjaž Finšgar

Poročilo Sekcije za kristalografijo za leto 2021

V letu 2021 se je epidemija COVID-19 delno umirila, zato so bili izvedena nekatera znanstvena srečanja, na primer kongres Mednarodne kristalografske zveze (International Union of Crystallography) avgusta v Pragi. Ta kongres, kot tudi večina drugih kristalografskih srečanj je bil izveden hibridno, kar je omogočilo sodelovanje predstavnika kristalografske sekcije Slovenskega kemijskega društva, da je sodeloval na zasedanjih skupščin obeh kristalografskih združenj (Mednarodne kristalografske zveze in Evropskega kristalografskega združenja (European Crystallographic Association) v katerih smo slovenski kristalografi polnopravni člani.

Nekatera druga srečanja (na primer Evropske konferenca o praškovni difrakciji in tudi Hrvaško-slovensko kristalografsko srečanje) pa so bila ponovno preložena za eno leto v upanju, da bo mogoča normalna izvedba v živo.

Ne glede na preložitve, je bilo potrebnega nekaj dela in truda, da smo za obe srečanja obdržali plenarne pred-

vatelje, sponzorje in se dogovorili s kongresnimi centri in hoteli za nove termine pod podobno ugodnimi pogoji. Večino dela za oba dogodka so sicer opravili hrvaški kolegi, ker se bosta oba dogodka odvijala na Hrvaškem, smo pa člani sekcije, ki sodelujemo v organizacijskem odboru, pomagali kolikor je bilo potrebno.

V času pisanja tega poročila je že objavljeno, da bo letos v začetku junija v Šibeniku na klasičen način z udeležbo v živo, izpeljana Evropska konferenca o praškovni difrakciji v Šibeniku, ki se je bo udeležilo tudi nekaj slovenskih raziskovalcev. Prav tako je objavljeno, da bo Hrvaško-slovensko kristalografsko srečanje izvedeno klasično letos od 8. do 11. septembra v Poreču. Prijave se še zbirajo, vsekakor pa računamo tudi na tradicionalno dobro udeležbo slovenskih raziskovalcev.

prof. dr. Anton Meden

Poročilo Analizne sekcije za 2021 v okviru Slovenskega kemijskega društva

Osnovna dejavnost sekcije za Analizno kemijo v okviru Slovenskega kemijskega društva je organiziranje mednarodnih in domačih znanstvenih ter strokovnih srečanj, predavanj domačih in tujih strokovnjakov ter izvedba različnih delavnic, seminarjev in simpozijev. Člani sekcije pa sodelujejo tudi znotraj delovnih skupin Eurachem in drugih združenj v evropskem prostoru (DAC, FECS) in tako pomembno prispevajo k prepoznavnosti Slovenskega kemijskega društva.

Na delo sekcije za Analizno kemijo v letu 2021 je bistveno vplivala epidemija Sars-Covid 19, tako so planirane aktivnosti potekale na spletu, veliko dogodkov pa je bila odpovedanih ali prestavljenih. Takšno usodo je doletelo tudi tradicionalno mednarodno srečanje podiplomskih študentov in njihovih mentorjev YISAC (Young Investigators Seminar on Analytical Chemistry), ki bi moralo potekati junija 2021 na Univerzi v Lodzu na Poljskem. Ker

srečanja ni bilo mogoče organizirati je obveljala dokončna odpoved in izvedba v letu 2022. Med redkimi aktivnostmi sekcije, ki so bile izvedene, kot običajno, velja izpostaviti 27. jubilejno konferenco »Slovenski kemijski dnevi 2021«, ki se je odvijala septembra 2021 v Portorožu. Posebej vzpodbudna je aktivna udeležba mlajših kolegov iz različnih institucij, ki so na zavidljivem nivoju predstavili raznolike in zanimive raziskave na področju spektroskopije, kromatografije, elektrokemije, materialov in okolja.

V prihodnje želimo v sekcijo aktivno vključiti mlajše kolege in nadaljevati z organizacijo domačih ter tujih srečanj, predavanj in konferenc. Posebej želimo okrepiti povezovanje in prenos znanja iz univerzitetnih in raziskovalnih laboratorijev v industrijo.

prof. dr. Mitja Kolar

Poročilo Sekcije mladih kemikov za leto 2021

Glavni namen sekcije mladih kemikov je vzpostavitev vezi med študenti, mladimi raziskovalci, mladimi doktorji, znanstveno-raziskovalnimi inštitucijami, kemijsko in farmacevtsko industrijo ter pedagoškimi delavci v šolah in fakultetah. Sekcija mladih kemikov je članica v European Young Chemists' Network (EYCN) v okviru EuChemMS in International Young Chemists Network (IYCN) v okviru IUPAC, tako da je ena njenih pomembnejših nalog tudi povezovanje mladih kemikov in delovanje na skupnih projektih v mednarodnem merilu.

V letu 2021 smo se udeležili generalne skupščine združenja IYCN, ki je potekala v spletni obliki in na kateri se je izvolilo vodstvo v naslednjem mandatnem obdobju. Prav tako je bila v pripravi novembrska organizacija ekskurzije v Krko, kjer smo združili moči s Študentsko organizacijo Fakultete za kemijo in kemijsko tehnologijo Univerze v Ljubljani. Na žalost je bila zaradi ukrepov povezanih z epidemijo ekskurzija prestavljena v pomlad 2022.

dr. Sara Drvarič Talian

Poročilo Sekcije za keramiko za leto 2021

Evropska keramična organizacija (ECerS) je svojo osrednjo bienalno konferenco in razstavo zadnjič organizirala leta 2019 v Torinu v Italiji. Leta 2021 je bilo srečanje predvideno v Dresdnu v Nemčiji, ki pa je bilo zaradi težav s pandemijo COVID-19 prestavljeno na leto 2022, ko se bo pod imenom Ceramics in Europe združilo tri keramične konference, ECerS XVII, 9. Mednarodno konferenco o keramiki (International Ceramic Conference, ICC) in konferenco Electroceramics XVIII. Srečanje bo potekalo v Krakovu na Poljskem od 10. do 14. julija 2022, njeno organizacijo pa podpirajo Evropsko keramično združenje, Mednarodna keramična zveza (ICF), Fraunhofer IKTS in Elektrokeramična mreža društva ECerS.

Pod okriljem ECerSa in njene mreže Europe Makes Ceramics (EMC) je bilo v letu 2021 izvedeno srečanje foruma mladih keramičarjev za aditivno proizvodnjo (The young Ceramists Additive Manufacturing Forum). Srečanje je potekalo preko spleta 29. oktobra 2021 z 80 udeleženci, pokrivalo pa je tematike tehnologije, materialov in aplikacij ter oblikovanja in programske opreme.

ECerS je za leto 2021 podelil sledeče nagrade:

- Stuijts nagrada (raziskovalki / raziskovalcu, ki pripada državi članici društva, za izjemne prispevke v keramični znanosti, tehnologiji in izobraževalni dejavnosti ali proizvodnji): prof. Jérôme Chevalier, National Institute of Applied Sciences of Lyon, Francija.
- Richard Brook nagrada (raziskovalki / raziskovalcu iz države zunaj Evrope za izjemen prispevek k keramični znanosti ali tehnologiji ter za izboljšanje razumevanja in sodelovanja v mednarodni keramični skupnosti): prof. Bikramjit Basu, Indian Ceramic Society.

- Nagrada »Mlad znanstvenik / Mlada znanstvenica« (raziskovalki / raziskovalcu, mlajši od 40 let, zaradi izjemnih prispevkov k keramičnim znanostim): Izr. prof. Ondřej Jankovský, Institute of Chemical Technology, Praga, Češka republika.
- Babini nagrada (raziskovalki / raziskovalcu za izjemen tehnični prispevek k razvoju evropske keramične industrije): Franco Stefani, System Logistic SpA, System Ceramics SpA, Laminam SpA, Italija.

Hermína Hudelja, doktorandka iz Odseka za nanostrukturne materiale Instituta »Jožef Stefan«, se je udeležila tekmovanja mladih keramikov ECerS »Student Speech Contest«. Tekmovanje je bilo izpeljano v okviru 14. bienalne konference za mlade znanstvenike s področja keramike (»14th ECerS Conference for Young Scientists in Ceramics«), 20.-23. oktobra 2021, v Novem Sadu v Srbiji. Na tekmovanju svoje rezultate predstavijo mladi znanstveniki, kot predstavniki držav pridruženih članic ECerSa. Zmagal je predstavnik Avstrije, Maximilian Staudacher iz Montanuniversität Leoben, Avstrija. Drugo mesto je zasedla predstavnica iz Velike Britanije, Else Ellermann iz University of Cambridge. Tretja je bila predstavnica Belgije, Chloé Goutagny iz Belgian Ceramic Research Centre, Belgija. Tekmovalo je 18 predstavnic in predstavnikov pridruženih članic.

V letu 2021 je bila s strani Young Ceramists Network (YCN) izpeljana spletna delavnica YCN 2021 »Pitch me your idea«, v platformi Gather Town, med 15. in 17. junijem. Na delavnici je sodelovalo 77 udeležencev iz 29. držav. 24 udeležencev je sodelovalo v tekmovanju kratkih predstavitev svojih raziskovalnih idej. Zmagal je Vojtěch Nečina iz praške University of Chemistry and Technology,

Češka. Drugo mesto je zasedel Moritz Weiß iz Karlsruher Institut für Technologie, Nemčija. Tretja je bila Oana-Andreea Condurache iz Odseka za elektronsko keramiko Instituta »Jožef Stefan«.

V letu 2021 je na mestu predsednika društva ECerS dr. Francis Cambier, Belgian Ceramic Research Centre, Belgija, zamenjal prof. Jon Binnerja, University of Birmingham, Velika Britanija, ki je društvo vodil med letoma 2019 in 2021.

V okviru Divizije za elektroniko Ameriškega keramičnega društva je v letu 2021 izr. prof. Matjaž Spreitzer iz Odseka za raziskave sodobnih materialov Instituta »Jožef Stefan« postal tajnik divizije omenjenega društva.

*Izr. prof. Matjaž Spreitzer in
izr. prof. Andraž Kocjan*

KOLEDAR VAŽNEJŠIH ZNANSTVENIH SREČANJ S PODROČJA KEMIJE IN KEMIJSKE TEHNOLOGIJE

SCIENTIFIC MEETINGS – CHEMISTRY AND CHEMICAL ENGINEERING

2022

June 2022

- | | |
|--------------|---|
| 6 – 10 | 11 TH EUROPEAN CONFERENCE ON SOLAR CHEMISTRY AND PHOTOCATALYSIS:
ENVIRONMENTAL APPLICATIONS - SPEA11
Turin, Italy |
| Information: | https://www.spea11.unito.it/home |
| 6 – 10 | 10 TH INTERNATIONAL CONFERENCE ON MECHANOCHEMISTRY AND MECHANICAL
ALLOYING
Cagliari, Italy |
| Information: | https://income2022.it/ |
| 9 – 10 | 58 TH SERBIAN CHEMICAL SOCIETY CONFERENCE
Belgrade, Serbia |
| Information: | https://www.shd.org.rs |
| 12 – 16 | XLVI »ATTILIO CORBELLA« INTERNATIONAL SUMMER SCHOOL ON ORGANIC
SYNTHESIS
Gargnano, Italy |
| Information: | https://corbellasummerschool.unimi.it/ |
| 13 – 15 | SYMPOSIUM ON THE INTERACTIONS BETWEEN SEDIMENTS AND WATER
Piran, Slovenia |
| Information: | https://www.iasws2022.si/ |
| 13 – 16 | 4 TH TRAINING SCHOOL 'MECHANOCHEMICAL SYNTHESIS AND KINETICS'
Cagliari, Italy |
| Information: | https://www.mechsustind.eu/ |
| 23 – 24 | GREEN AND UNCONVENTIONAL SYNTHESIS, APPROACHES AND FUNCTIONAL
ASSESSMENT AIM 2020 (AIM 2020 ADVANCED INORGANIC MATERIALS)
Bari, Italy |
| Information: | http://www.unconventional-aim2020-bari.it/ž |
| 28 – July 1 | 26 TH INTERNATIONAL SYMPOSIUM ON SEPARATION SCIENCES - ISSS 2022
Ljubljana, Slovenia |
| Information: | https://iss2020.si/ |
| 28 – July 1 | 25 TH INTERNATIONAL SYMPOSIUM ON HIGH-PERFORMANCE THIN-LAYER
CHROMATOGRAPHY (25 TH HPTLC)
Ljubljana, Slovenia |
| Information: | www.hptlc2020.si |
| 30 – July 2 | 4 TH INTERNATIONAL CONGRESS OF CHEMISTS AND CHEMICAL ENGINEERS OF
B&H
Sarajevo, Bosnia and Herzegovina |
| Information: | iccebih.dktks.ba |

July 2022

- 4 – 8 CHEMISTRY FOR CULTURAL HERITAGE - CHEMCH-2020
Ravenna, Italy
Information: <https://eventi.unibo.it/chemch2022>
- 11 – 13 EUROPEAN CONFERENCE OF RESEARCH IN CHEMISTRY EDUCATION (ECRICE 2020)
Rehovot, Israel
Information: <https://www.weizmann.ac.il/conferences/ECRICE2020/>
- 13 – 14 TOTAL FOOD 2022: MAXIMISING VALUE FROM THE FOOD CHAIN
Nottingham, UK
Information: <https://www.nottingham.ac.uk/conference/fac-sci/biosciences/total-food/index.aspx>
- 18 – 22 SECOND INTERNATIONAL CONFERENCE ON NONCOVALENT INTERACTIONS 2021-
2022 - ICNI2021
Strasbourg, France
Information: <http://icni2021.unistra.fr/>

August 2022

- 27 – Sept 2 INTERNATIONAL MASS SPECTROMETRY CONFERENCE 2022
Maastricht, The Netherlands
Information: <https://www.imsc2022.com/>
- 28 – Sept 1 8TH EUCHEMS CHEMISTRY CONGRESS (ECC8)
Lisbon, Portugal
Information: <https://euchems2022.eu/>

September 2022

- 5 – 9 9TH IUPAC INTERNATIONAL CONFERENCE ON GREEN CHEMISTRY - ICGC-9
Athens, Greece
Information: greeniupac2020.org
- 21 – 23 19. RUŽIČKA DAYS
Vukovar, Croatia
Information: <http://www.ruzickadays.eu>
- 21 – 23 SCS ANNUAL MEETING 2022
Portorož-Portorose, Slovenia
Information: <https://skd2022.chem-soc.si/>
- 27 – 30 11TH CENTRAL EUROPEAN CONGRESS ON FOOD AND NUTRITION
Čatež ob Savi, Slovenia
Information: <https://cefood2022.si/>

October 2022

- 5 – 7 7 MS FOOD DAY
Florence, Italy
Information: <https://www.spettrometriadimassa.it/Congressi/7MS-FoodDay/index.html>
- 12 – 14 CHEMICAL RESEARCH IN FLANDERS - CHEMISTRY CONFERENCE FOR YOUNG
SCIENTISTS 2022
Blankenberge, Belgium
Information: <https://crf-chemcys.be/>
- 21 – 22 XIV CONFERENCE OF CHEMISTS, TECHNOLOGISTS AND ECOLOGISTS OF THE
REPUBLIC OF SRPSKA
Banja Luka, Bosnia and Herzegovina
Information: <https://savjetovanje.tf.unibl.org/>

23 – 26 31ST INTERNATIONAL SYMPOSIUM ON THE CHEMISTRY OF NATURAL PRODUCTS
AND 11TH INTERNATIONAL CONGRESS ON BIODIVERSITY (ISCNP31 & ICOB11)
Naples, Italy
Information: <https://www.iscnp31-icob11.org/index.php>

November 2022

8 – 11 SOLUTIONS IN CHEMISTRY 2022
Sveti Martin na Muri, Croatia
Information: <https://solutionsinchemistry.hkd.hr/>

December 2022

5 – 8 ENVIRONMENTAL MEETING ON ENVIRONMENTAL CHEMISTRY 2022 – EMEC22
Ljubljana, Slovenia
Information: <https://www.emec22.com/>

2023

July 2023

2 – 6 FEZA 2023 - 9TH CONFERENCE OF THE FEDERATION OF THE EUROPEAN ZEOLITE
ASSOCIATIONS
Portorož-Portorose, Slovenia
Information: <https://feza2023.org/en/>

Acta Chimica Slovenica

Author Guidelines

Submissions

Submission to ACSi is made with the implicit understanding that neither the manuscript nor the essence of its content has been published in whole or in part and that it is not being considered for publication elsewhere. All the listed authors should have agreed on the content and the corresponding (submitting) author is responsible for having ensured that this agreement has been reached. The acceptance of an article is based entirely on its scientific merit, as judged by peer review. There are no page charges for publishing articles in ACSi. The authors are asked to read the Author Guidelines carefully to gain an overview and assess if their manuscript is suitable for ACSi.

Additional information

- Citing spectral and analytical data
- Depositing X-ray data

Submission material

Typical submission consists of:

- full manuscript (PDF file, with title, authors, abstract, keywords, figures and tables embedded, and references)
- supplementary files
 - **Full manuscript** (original Word file)
 - **Statement of novelty** (Word file)
 - **List of suggested reviewers** (Word file)
 - **ZIP file containing graphics** (figures, illustrations, images, photographs)
 - **Graphical abstract** (single graphics file)
 - **Proposed cover picture** (optional, single graphics file)
 - **Appendices** (optional, Word files, graphics files)

Incomplete or not properly prepared submissions will be rejected.

Submission process

Before submission, authors should go through the checklist at the bottom of the page and prepare for submission.

Submission process consists of 5 steps.

Step 1: Starting the submission

- Choose one of the journal sections.
- Confirm all the requirements of the **checklist**.
- Additional plain text comments for the editor can be provided in the relevant text field.

Step 2: Upload submission

- Upload full manuscript in the form of a Word file (with title, authors, abstract, keywords, figures and tables embedded, and references).

Step 3: Enter metadata

- First name, last name, contact email and affiliation for all authors, in relevant order, must be provided. Corresponding author has to be selected. Full postal address and phone number of the corresponding author has to be provided.

- **Title and abstract** must be provided in plain text.
- Keywords must be provided (max. 6, separated by semicolons).
- Data about contributors and supporting agencies may be entered.
- **References** in plain text must be provided in the relevant text field.

Step 4: Upload supplementary files

- Original Word file (original of the PDF uploaded in the step 2)
- **List of suggested reviewers** with at least five reviewers with two recent references from the field of submitted manuscript must be uploaded as a Word file. At the same time, authors should declare (i) that they have no conflict of interest with suggested reviewers and (ii) that suggested reviewers are experts in the field of the submitted manuscript.
- All **graphics** have to be uploaded in a single ZIP file. Graphics should be named Figure 1.jpg, Figure 2.eps, etc.
- **Graphical abstract image** must be uploaded separately
- **Proposed cover picture** (optional) should be uploaded separately.
- Any additional **appendices** (optional) to the paper may be uploaded. Appendices may be published as a supplementary material to the paper, if accepted.
- For each uploaded file the author is asked for additional metadata which may be provided. Depending of the type of the file please provide the relevant title (Statement of novelty, List of suggested reviewers, Figures, Graphical abstract, Proposed cover picture, Appendix).

Step 5: Confirmation

- Final confirmation is required.

Article Types

Feature Articles are contributions that are written on Editor's invitation. They should be clear and concise summaries of the author's most recent work written with the broad scope of ACSi in mind. They are intended to be general overviews of the authors' subfield of research but should be written in a way that engages and informs scientists in other areas. They should contain the following (see also general guidelines for article structure below): (1) an introduction that acquaints readers with the authors' research field and outlines the important questions for which answers are being sought; (2) interesting, novel, and recent contributions of the author(s) to the field; and (3) a summary that presents possible future directions. Manuscripts should normally not exceed 40 pages of one column format (font size 12, 33 lines per page). Generally, experts who have made an important contribution to a specific field in recent years will be invited by the Editor to contribute a **Feature Article**. Individuals may, however, send a proposal (of no more than one page) for a **Feature Article** to the Editor-in-Chief for consideration.

Scientific articles should report significant and innovative achievements in chemistry and related sciences and should exhibit a high level of originality. They should have the following structure:

1. Title (max. 150 characters),
2. Authors and affiliations,
3. Abstract (max. 1000 characters),
4. Keywords (max. 6),
5. Introduction,
6. Experimental,
7. Results and Discussion,
8. Conclusions,
9. Acknowledgements,
10. References.

The sections should be arranged in the sequence generally accepted for publications in the respective fields and should be successively numbered.

Short communications generally follow the same order of sections as Scientific articles, but should be short (max. 2500 words) and report a significant aspect of research work meriting separate publication. Editors may decide that a Scientific paper is categorized as a Short Communication if its length is short.

Technical articles report applications of an already described innovation. Typically, technical articles are not based on new experiments.

Preparation of Submissions

Text of the submitted articles must be prepared with Microsoft Word. Normal style set to single column, 1.5 line spacing, and 12 pt Times New Roman font is recommended. Line numbering (continuous, for the whole document) must be enabled to simplify the reviewing process. For any other format, please consult the editor. Articles should be written in English. Correct spelling and grammar are the sole responsibility of the author(s). Papers should be written in a concise and succinct manner. The authors shall respect the ISO 80000 standard [1], and IUPAC Green Book [2] rules on the names and symbols of quantities and units. The *Système International d'Unités* (SI) must be used for all dimensional quantities.

Graphics (figures, graphs, illustrations, digital images, photographs) should be inserted in the text where appropriate. The captions should be self-explanatory. Lettering should be readable (suggested 8 point Arial font) with equal size in all figures. Use common programs such as MS Excel or similar to prepare figures (graphs) and ChemDraw to prepare structures in their final size. Width of graphs in the manuscript should be 8 cm. Only in special cases (in case of numerous data, visibility issues) graphs can be 17 cm wide. All graphs in the manuscript should be inserted in relevant places and **aligned left**. The same graphs should be provided separately as images of appropriate resolution (see below) and submitted together in a ZIP file (Graphics ZIP). Please do not submit figures as a Word file. In **graphs**, only the graph area determined by both axes should be in the frame, while a frame around the whole graph should be omitted. The graph area should be white. The legend should be inside the graph area. The style of all graphs should be the same. **Figures and illustrations** should be of sufficient quality for the printed version, i.e. 300 dpi minimum. **Digital images and photographs** should be of high quality (minimum

250 dpi resolution). On submission, figures should be of good enough resolution to be assessed by the referees, ideally as JPEGs. High-resolution figures (in JPEG, TIFF, or EPS format) might be required if the paper is accepted for publication.

Tables should be prepared in the Word file of the paper as usual Word tables. The captions should appear above the table and should be self-explanatory.

References should be numbered and ordered sequentially as they appear in the text, likewise methods, tables, figure captions. When cited in the text, reference numbers should be superscripted, following punctuation marks. It is the sole responsibility of authors to cite articles that have been submitted to a journal or were in print at the time of submission to ACSi. Formatting of references to published work should follow the journal style; please also consult a recent issue:

1. J. W. Smith, A. G. White, *Acta Chim. Slov.* **2008**, *55*, 1055–1059.
2. M. F. Kemmere, T. F. Keurentjes, in: S. P. Nunes, K. V. Peinemann (Ed.): *Membrane Technology in the Chemical Industry*, Wiley-VCH, Weinheim, Germany, **2008**, pp. 229–255.
3. J. Levec, Arrangement and process for oxidizing an aqueous medium, US Patent Number 5,928,521, date of patent July 27, **1999**.
4. L. A. Bursill, J. M. Thomas, in: R. Sersale, C. Collola, R. Aiello (Eds.), *Recent Progress Report and Discussions: 5th International Zeolite Conference*, Naples, Italy, 1980, Gianini, Naples, **1981**, pp. 25–30.
5. J. Szegezdi, F. Csizmadia, Prediction of dissociation constant using microconstants, http://www.chemaxon.com/conf/Prediction_of_dissociation_constant_using_microconstants.pdf, (assessed: March 31, 2008)

Titles of journals should be abbreviated according to Chemical Abstracts Service Source Index (CASSI).

Special Notes

- Complete characterization, **including crystal structure**, should be given when the synthesis of new compounds in crystal form is reported.
- Numerical **data should be reported with the number of significant digits corresponding to the magnitude** of experimental uncertainty.
- **The SI system of units and IUPAC recommendations** for nomenclature, symbols and abbreviations should be followed closely. Additionally, the authors should follow the general guidelines when citing spectral and analytical data, and depositing crystallographic data.
- **Characters** should be correctly represented throughout the manuscript: for example, 1 (one) and l (ell), 0 (zero) and O (oh), x (ex), D7 (times sign), B0 (degree sign). Use Symbol font for all Greek letters and mathematical symbols.
- The rules and recommendations of the **IUBMB** and the **International Union of Pure and Applied Chemistry (IUPAC)** should be used for abbreviation of chemical names, nomenclature of chemical compounds, enzyme nomenclature, isotopic compounds, optically active isomers, and spectroscopic data.
- **A conflict of interest** occurs when an individual (author, reviewer, editor) or its organization is in-

volved in multiple interests, one of which could possibly corrupt the motivation for an act in the other. Financial relationships are the most easily identifiable conflicts of interest, while conflicts can occur also as personal relationships, academic competition, etc. **The Editors** will make effort to ensure that conflicts of interest will not compromise the evaluation process; potential editors and reviewers will be asked to exempt themselves from review process when such conflict of interest exists. When the manuscript is submitted for publication, **the authors** are expected to disclose any relationships that might pose potential conflict of interest with respect to results reported in that manuscript. In the Acknowledgement section the source of funding support should be mentioned. The statement of disclosure must be provided as Comments to Editor during the submission process.

- **Published statement of Informed Consent.** Research described in papers submitted to ACSi must adhere to the principles of the Declaration of Helsinki (<http://www.wma.net/e/policy/b3.htm>). These studies must be approved by an appropriate institutional review board or committee, and informed consent must be obtained from subjects. The Methods section of the paper must include: 1) a statement of protocol approval from an institutional review board or committee and 2), a statement that informed consent was obtained from the human subjects or their representatives.
- **Published Statement of Human and Animal Rights.** When reporting experiments on human subjects, authors should indicate whether the procedures followed were in accordance with the ethical standards of the responsible committee on human experimentation (institutional and national) and with the Helsinki Declaration of 1975, as revised in 2008. If doubt exists whether the research was conducted in accordance with the Helsinki Declaration, the authors must explain the rationale for their approach and demonstrate that the institutional review body explicitly approved the doubtful aspects of the study. When reporting experiments on animals, authors should indicate whether the institutional and national guide for the care and use of laboratory animals was followed.
- To avoid conflict of interest between authors and referees we expect that not more than one referee is from the same country as the corresponding author(s), however, not from the same institution.
- Contributions authored by **Slovenian scientists** are evaluated by non-Slovenian referees.
- Papers describing **microwave-assisted reactions** performed in domestic microwave ovens are not considered for publication in *Acta Chimica Slovenica*.
- *Manuscripts that are **not prepared and submitted** in accord with the instructions for authors are not considered for publication.*

Appendices

Authors are encouraged to make use of supporting information for publication, which is supplementary material (appendices) that is submitted at the same time as the manuscript. It is made available on the Journal's

web site and is linked to the article in the Journal's Web edition. The use of supporting information is particularly appropriate for presenting additional graphs, spectra, tables and discussion and is more likely to be of interest to specialists than to general readers. When preparing supporting information, authors should keep in mind that the supporting information files will not be edited by the editorial staff. In addition, the files should be not too large (upper limit 10 MB) and should be provided in common widely known file formats to be accessible to readers without difficulty. All files of supplementary materials are loaded separately during the submission process as supplementary files.

Proposed Cover Picture and Graphical Abstract Image

Graphical content: an ideally full-colour illustration of resolution 300 dpi from the manuscript must be proposed with the submission. Graphical abstract pictures are printed in size 6.5 x 4 cm (hence minimal resolution of 770 x 470 pixels). Cover picture is printed in size 11 x 9.5 cm (hence minimal resolution of 1300 x 1130 pixels)

Authors are encouraged to submit illustrations as candidates for the journal Cover Picture*. The illustration must be related to the subject matter of the paper. Usually both proposed cover picture and graphical abstract are the same, but authors may provide different pictures as well.

* The authors will be asked to contribute to the costs of the cover picture production.

Statement of novelty

Statement of novelty is provided in a Word file and submitted as a supplementary file in step 4 of submission process. Authors should in no more than 100 words emphasize the scientific novelty of the presented research. Do not repeat for this purpose the content of your abstract.

List of suggested reviewers

List of suggested reviewers is a Word file submitted as a supplementary file in step 4 of submission process. Authors should propose the names, full affiliation (department, institution, city and country) and e-mail addresses of five potential referees. Field of expertise and at least two references relevant to the scientific field of the submitted manuscript must be provided for each of the suggested reviewers. The referees should be knowledgeable about the subject but have no close connection with any of the authors. In addition, referees should be from institutions other than (and countries other than) those of any of the authors. Authors declare no conflict of interest with suggested reviewers. Authors declare that suggested reviewers are experts in the field of submitted manuscript.

How to Submit

Users registered in the role of author can start submission by choosing USER HOME link on the top of the page, then choosing the role of the Author and follow the relevant link for starting the submission process. Prior to submission we strongly recommend that you familiarize yourself with the ACSi style by browsing the journal, particularly if you have not submitted to the ACSi before or recently.

Correspondence

All correspondence with the ACSi editor regarding the paper goes through this web site and emails. Emails are sent and recorded in the web site database. In the correspondence with the editorial office please provide ID number of your manuscript. All emails you receive from the system contain relevant links. **Please do not answer the emails directly but use the embedded links in the emails for carrying out relevant actions.** Alternatively, you can carry out all the actions and correspondence through the online system by logging in and selecting relevant options.

Proofs

Proofs will be dispatched via e-mail and corrections should be returned to the editor by e-mail as quickly as possible, normally within 48 hours of receipt. Typing errors should be corrected; other changes of contents will be treated as new submissions.

Submission Preparation Checklist

As part of the submission process, authors are required to check off their submission's compliance with all of the following items, and submissions may be returned to authors that do not adhere to these guidelines.

1. The submission has not been previously published, nor is it under consideration for publication in any other journal (or an explanation has been provided in Comments to the Editor).
2. All the listed authors have agreed on the content and the corresponding (submitting) author is responsible for having ensured that this agreement has been reached.
3. The submission files are in the correct format: manuscript is created in MS Word but will be **submitted in PDF** (for reviewers) as well as in original MS Word format (as a supplementary file for technical editing); diagrams and graphs are created in Excel and saved in one of the file formats: TIFF, EPS or JPG; illustrations are also saved in one of these formats. The preferred position of graphic files in a document is to embed them close to the place where they are mentioned in the text (See **Author guidelines** for details).
4. The manuscript has been examined for spelling and grammar (spell checked).
5. The **title** (maximum 150 characters) briefly explains the contents of the manuscript.
6. Full names (first and last) of all authors together with the affiliation address are provided. Name of author(s) denoted as the corresponding author(s), together with their e-mail address, full postal address and telephone/fax numbers are given.
7. The **abstract** states the objective and conclusions of the research concisely in no more than 150 words.
8. Keywords (minimum three, maximum six) are provided.
9. **Statement of novelty** (maximum 100 words) clearly explaining new findings reported in the manuscript should be prepared as a separate Word file.
10. The text adheres to the stylistic and bibliographic requirements outlined in the **Author guidelines**.
11. Text in normal style is set to single column, 1.5 line spacing, and 12 pt. Times New Roman font is

recommended. All tables, figures and illustrations have appropriate captions and are placed within the text at the appropriate points.

12. Mathematical and chemical equations are provided in separate lines and numbered (Arabic numbers) consecutively in parenthesis at the end of the line. All equation numbers are (if necessary) appropriately included in the text. Corresponding numbers are checked.
13. Tables, Figures, illustrations, are prepared in correct format and resolution (see **Author guidelines**).
14. The lettering used in the figures and graphs do not vary greatly in size. The recommended lettering size is 8 point Arial.
15. Separate files for each figure and illustration are prepared. The names (numbers) of the separate files are the same as they appear in the text. All the figure files are packed for uploading in a single ZIP file.
16. Authors have read **special notes** and have accordingly prepared their manuscript (if necessary).
17. References in the text and in the References are correctly cited. (see **Author guidelines**). All references mentioned in the Reference list are cited in the text, and vice versa.
18. Permission has been obtained for use of copyrighted material from other sources (including the Web).
19. The names, full affiliation (department, institution, city and country), e-mail addresses and references of five potential referees from institutions other than (and countries other than) those of any of the authors are prepared in the word file. At least two relevant references (important recent papers with high impact factor, head positions of departments, labs, research groups, etc.) for each suggested reviewer must be provided. Authors declare no conflict of interest with suggested reviewers. Authors declare that suggested reviewers are experts in the field of submitted manuscript.
20. Full-colour illustration or graph from the manuscript is proposed for graphical abstract.
21. **Appendices** (if appropriate) as supplementary material are prepared and will be submitted at the same time as the manuscript.

Privacy Statement

The names and email addresses entered in this journal site will be used exclusively for the stated purposes of this journal and will not be made available for any other purpose or to any other party.

ISSN: 1580-3155

Koristni naslovi

Slovensko kemijsko društvo
Slovenian Chemical Society



Slovensko kemijsko društvo

www.chem-soc.si

e-mail: chem.soc@ki.si



Wessex Institute of Technology

www.wessex.ac.uk



SETAC

www.setac.org



European Water Association

<http://www.ewa-online.eu/>



European Science Foundation

www.esf.org



European Federation of Chemical Engineering

<https://efce.info/>



International Union of Pure and Applied Chemistry

<https://iupac.org/>

Novice evropske zveze kemijskih društev EuChemS najdete na:



Brussels News Updates

<http://www.euchems.eu/newsletters/>



BRAUN



DONAU LAB Ljubljana
Member of LPPgroup

SYSTAG
■■■■■+



CHEMTRIX
Scalable Flow Chemistry



büchiglasuster
switzerland Pilot Plant and Reactor Systems

MAGNEZIJ Krka 300

MAGNEZIJ Krka 400



NOVO

BODITE ŠE BOLJ NEUSTAVLJIVI

Magneziju Krka 300 se je pridružil **Magnezij Krka 400**,
ki vsebuje **več magnezija** in tako še bolj pripomore k:

- ✓ zmanjševanju utrujenosti in izčrpanosti,
- ✓ normalnemu delovanju mišic.

www.magnezijkrka.si



 KRKA

Razvoj in inovacije za globalno uspešnost

Znanje, kreativnost zaposlenih in inovacije so ključnega pomena v okolju, kjer nastajajo pametni premazi skupine KANSAI HELIOS. Z rešitvami, ki zadostijo široki paleti potreb, kontinuiranim razvojem ter s kakovostnimi izdelki, Helios predstavlja evropski center za inovacije in poslovni razvoj skupine Kansai Paint.

Part of  **KANSAI
PAINT**

www.helios-group.eu

 **KANSAI
HELIOS**
Designing Excellence



Slovensko kemijsko društvo
Slovenian Chemical Society

SLOVENSKI KEMIJSKI DNEVI 2022

21-23. SEPTEMBER 2022



SKD2022.CHEM-SOC.SI

**KONGRESNI CENTER
GRAND HOTELA
BERNARDIN, PORTOROŽ**

Acta Chimica Slovenica

Acta Chimica Slovenica

Soft hydrophilic nano and microgels are attractive polymer constructs with several potential applications; they are deformable and, in some cases, biocompatible. Gel particles prepared of a thermoresponsive polymer either swell or collapse with changing temperature. Poly(N-vinylcaprolactam) gel particles may be synthesized through precipitation polymerization or (mini)emulsion polymerization. A new approach is the polymerization induced self-assembly (page 251).



Year 2022, Vol. 69, No. 2

