

POSTER PRESENTATIONS

The Poster sessions will be held on Thursday, 3 September 2026 at 16:30 h (P1-P49), and on Friday, 4 September 2026 at 15:00 h (P50-P99). Authors will be able to place their posters on the assigned stands according to the numbers listed below.

Please remove your posters at the end of each session. The remaining posters will be removed by the Organising Committee and volunteers and the authors will be able to take them by the end of the Conference. Please ask our volunteers for the details.

All posters are under consideration for the Tomislav Cvitaš Award 2026.

POSTER PRESENTATIONS

The Poster sessions will be held on 3 and 4 September. Please see the schedule below.

Posters P1 – P49: Thursday, 3 September can be placed in the morning (Wednesday, 2 September) and must be removed immediately after the first poster session ends.

- P1** Petr Janovský, Barbora Gřešková, Michal Rouchal, Marija Alešković, Marina Šekutor, Robert Vícha
Beyond Single Binding Scaffolds: Combining Adamantane and Diamantane Cages
- P2** Daniela Amidžić Klarić, Jelena Kovačić Šantek, Petra Bajt, Nikša Turk, Željko Krznarić, Ana Mornar
Speeding Up Pharmaceutical Assay: A Rapid and Reliable UPLC Method for Etrasimod Quantification
- P3** Jakov Babić, Dalibor Tatar, Jelena Kojčinović, Stjepan Šarić, Petra Šušak, Igor Djerdj
Investigating the Effect of Pr Concentration on the Structural Evolution of Doped Ceria-Based High-Entropy Oxides
- P4** Nikola Bedeković, Tea Maršić, Dominik Cinčić
Nitrate Anion as a Halogen Bond Acceptor in Metal-Organic Ionic Cocrystals
- P5** Sofija Bekić, Maja Marinović, Dimitar Jakimov, Andrea Nikolić, Anđelka Čelić, Edward Petri, Ksenija Pavlović
Bile Acid-Derived Compounds as Modulators of Steroid Receptors and AKR1C Enzymes
- P6** Branimir Bertoša, Katarina Radman, Ivana Leščić
Streptococcus gordonii Manganese Metallosensor
- P7** Željka Boček, Elizabeta Forjan, Andrej Molnar, Marijan-Pere Marković, Domagoj Vrsaljko, Petar Kassal
Innovative 3D-Printed Flow Cell Design Enabling *in Operando* Printed Electrochemical Sensor Replacement
- P8** Ana Budimir, Robert Kerep, David Klarić, Nives Galić
Influence of Buffer Species and Added Salt on the Binding of Nabumetone and Naproxen to β -Cyclodextrins
- P9** Roko Budiselić, Aleks Logožar, Anamarija Knežević
Dynamic Bond Position in pH-Responsive Nonionic Supramolecular Assemblies

- P10** Mia Bušljeta, Bernard Denegri, Mirela Matić
Reactivity of Methylsulfinate in Ethanol and Aqueous Ethanol
- P11** Mia Bušljeta, Mirela Matić, Bernard Denegri
Selective Synthesis of Sulfinates and Sulfones: Challenges and Strategies.....
- P12** Karla Čargonja, Ana-Marija Jagatić Korenika, Tomislav Jednačak, Franka Sunjka, Tomica Hrenar, Jakov Borovec, Jelena Parlov Vuković, Predrag Novak
Analysis of Croatian Sparkling Wines by NMR Spectroscopy.....
- P13** Marija Cvetnić, Nikola Bregović, Vladislav Tomišić
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- P14** Vladimir Damjanović, Dino Kuzman, Marina Cindrić, Višnja Vrdoljak
Mechanochemical Synthesis of Co(III)-Ammine Heteropolyoxomolybdates Incorporating Selected d-Block Elements
- P15** Josipa Dugeč, Jure Krolo, Mauricia Bolfek, Nives Vladislavić, Marijo Buzuk
Distinguishing Diffusion Domains in a Weakly Supported Electrolyte: A Novel Electrochemical Criterion
- P16** Petar Fičko, Danijel Glavač, Irena Dokli
Synthesis of Propargylic Chlorohydrins via Organometallic Addition to α -Chloroketones
- P17** Blaženka Foretić, Boštjan Petrič, Igor Picek, Željka Vukelić
Yeast Alcohol Dehydrogenase Kinetics: A Student Progress Curve Exercise
- P18** Tea Frey, Ivan Kodrin
Factors Determining Mechanical Response in Organic Molecular Crystals: A Computational Investigation
- P19** Danijel Glavač, Irena Dokli, Maja Majerić Elenkov
Synthetic Diversification of Enantioenriched Propargylic Alcohols Toward Structurally Diverse Chiral Scaffolds and Bioisosteric Remodeling to α -Chiral BCPs
- P20** Saša Grubešić, Edvin Brusač
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- P22** Gordan Horvat, Antonija Tomić
Classical vs. DFTB QM/MM Molecular Dynamics Simulations of Cyclopentaleucine-Anion Complexes
- P23** Patrizia Janković Bevandić, Ivana Poropat, Antonela Baćac, Tajana Ibriks Glavan, Karla Dubaić, Laura Gubić, Lucija Ažić, Tea Kukić, Lela Munjas Jurkić, Leo Štefan
Impact of Sterilization Methods on the Critical Quality Attributes of a Carbomer-Based Gel Formulation

- P24** Mario Jurada, Matej Kožić, Boris Gomaz, Branimir Bertoša
Development of a Coarse-Grained Model of the *Escherichia coli* Cell Envelope for Large-Scale Molecular Dynamics Simulations
- P25** Robert Kerep, David Klarić, Ana Budimir, Nives Galić
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- P26** Maria Kolypadi Marković, Karlo Veličan, Iva Šarić Janković, Ivna Kavre Piltaver, Robert Peter, Ivana Jelovica Badovinac, Dean Marković, Gabriela Ambrožić
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- P27** Vedrana Krajnović, Emanuele Bosurgi, Matthieu Edely, Marc Lamy de la Chapelle, Andreja Jakas, Danijela Bakarić
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- P28** Karlo Krhlanko, Donna Danijela Dragun, Iva Rezić Meštrović, Ernest Meštrović
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- P29** Filip Kučas, Mladen Borovina, Ivana Biljan
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- P30** Bojan Kuridža, Željka Ban, Joaquín Calixto García Martínez, Ivo Piantanida
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- P31** Matea Laučan, Alma Ramić, Ines Primožič
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- P33** Marin Liović, Donna Danijela Dragun, Nika Rimaj, Rafael Anelić, Lea Čolakić, Fabio Faraguna, Edi Topić, Ivan Halasz, Ernest Meštrović
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- P34** Ivan Lisjak, Marc C. A. Stuart, Anamarija Knežević
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- P35** Antonio Ljuli, Anamarija Jurjević, Elena Erlić, Valerije Vrček
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- P36** Aleks Logožar, Anamarija Knežević
Tuning the Properties of NDI Aggregates in Water by Sterically Hindering Surfactant π - π Interactions
- P37** Abbie O. R. Madden, Thomas F. Headen, Terri-Louise Hughes, Sophie Janbon, Katharina Edkins
Structure of Water-Dimethylformamide Mixtures and Potential Effects on Crystallisation
- P38** Sven Marinac, Andrea Usenik, Matija Modrušan, Jakov Borovec, Katarina Pičuljan, Katarina Leko, Gordan Horvat, Josip Požar, Nikola Cindro, Tomica Hrenar, Vladislav Tomišić

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- P39** Aleksandra Maršavelski, Ivana Kekez, Lucija Brtan, Želimira Filić, Margaux Aubel, Erich Bornberg-Bauer
Engineering a Thermostable Metagenomic Polyesterase for Plastic Degradation
- P40** Garik Martirosyan, Gurgen Gulyan, Armenuhi Mnatsakanyan, Ashkharuhi Aleksanyan, Hayk Aghekyan
Thiol Assisted Nitrite Reduction at Manganese Porphyrin. Solution and DFT Studies
- P41** Donna Danijela Dragun, Marin Liović, Nika Šajković, Iva Rezić Meštrović, Ernest Meštrović
Coupled Navier–Stokes and Mass Transport Analysis of Coffee-Ring Pattern
- P42** Snežana Miljanić, Petra Petrović Popović, Adriana Kenđel, Tea Juračić, Dijana Pavlović Saftić
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- P46** Karlo Petrić, Anamarija Knežević
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- P47** Matija Popović, Ivana Biljan
Harnessing Light: Unlocking Singlet Oxygen Generation Through Porphyrin-Based Porous Polymers
- P48** Temenuzhka Radoykova, Stela Georgieva, Meglena Kandinskab
New Benzylidenemalononitriles as Fluorescent Sensors for Metal Ions — Synthesis, Spectrometric Characterization and Acid-Base Properties
- P49** Shai Rahimipour, M. Habashi, K. Tripathi, S. Senapati, A. Haviv-Chesner, M. Richman, R. Mulamreddy, S-A. Mohand, V. Dumulon-Perreault, B. Guérin, W.L. Lubell
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Posters P50 – P99: Friday, 4 September can be placed in the morning (4 September) and must be removed until the end of the Conference.

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- P52** Iva Rezić Meštrović, Lela Martinaga, Ana Vrsalović Presečki
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- P53** Ana Rilak Simović, Milica Međedović Stefanović, Nevenka Gligorijević, Milan Vraneš, Nenad Janković
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- P54** Tamara Rinkovec, Marina Galić, Rosana Ribić, Leentje Persoons, Dirk Daelemans, Marijana Hranjec, Robert Vianello
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- P55** Kora Sertić, Ivan Nemet, Nikolina Ilić, Ana-Marija Jagatić Korenika
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- P56** Margareta Sohora, Marina Šekutor
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- P60** Zala Štefanič, Barbara Hribar-Lee
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- P61** Luka Sumić, Vesna Petrović Peroković, Željka Car, Rosana Ribić
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- P64** Tino Šeba, Mario Gabričević, Robert Kerep, Zvonimir Mlinarić, Tin Weitner
Orthogonal Validation of Protein–Ligand Interactions: Integrated Biophysical Characterization of the G-Actin–Latrunculin A Interaction
- P65** Marina Šekutor, Nataša Burić, Cosme González Ayani, Tomislav Vuletić, Margareta Sohora, Zoran Štefanić, Ida Delač
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- P66** Aleksandra Šimanović, Andreja Lesac
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- P67** Irena Škorić, Milena Mlakić, Ilijana Odak, Stanislava Talić, Danijela Barić
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- P74** Helena Biljanić, James Mcfarlane Hoad, Atiđa Selmani, Eva Roblegg, Katarina Marušić
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- P88** Josip Mikulić, Marko Purić, Nikola Topolovčan
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- P89** Maja Molnar, Ivana Tomac, Mario Komar, Leonarda Marković, Martina Jakovljević Kovač, Dajana Gašo Sokač, Mirna Habuda-Stanić, Damir Magdić, Lahorka Budić, Valentina Bušić, Dragica Suknović
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- P90** Marko Pećina, Đani Škalamera, Iva Džeba
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- P92** Stjepan Šarić, Iva Jozinović, Tomislav Balić, Martina Šrajer Gajdošik, Nikolina Filipović, Elvira Kovač-Andrić
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- P96** Mislav Vorkapić, Gabriela Galić, Goran Palijan, Nikolina Filipović, Anamarija Stanković
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IL-29 and AIM in Obesity: Associations with Metabolic Dysfunction and their Potential as
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Ferrocyanide-Based Complexes of *N*-Substituted Pyridinium Oximes and Related Non-Oxime
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