

ECSBM POSTER SESSION

Poster Session	
Time: 16.00 - 18.00, August 31	Venue: First Floor Lobby, FSEGA
No.	Presentation
P 1	<i>Biomimetic Approach in Sperm Selection Based on Surface - Functionalized Micropatterned Polymeric Platforms</i> Bianca-Astrid Andone , Babeş-Bolyai University, Romania
P 2	<i>Comparative Study of Alginate-Gelatin Biomaterials Crosslinked with Ca²⁺ and Sr²⁺</i> Emma Bobu , Babeş-Bolyai University, Romania
P 3	<i>PCA/DeepCocrystal Predictor for Cocrystallization</i> Bahadır Bozkurt , Istanbul Kultur University, Turkey
P 4	<i>Molecular Classification of Gliomas using SERS DNA Spectral Data</i> Teodor-George Călina , Babeş-Bolyai University, Romania
P 5	<i>Nanostructured SERS Platforms Fabricated by Colloidal Lithography for Trace Detection of Emerging Pollutants</i> Ioana Cărdan , Babeş-Bolyai University, Romania
P 6	<i>Tunable Nanoelectrodes: Controlling Surface Charge in SERS Nanoparticles</i> Alexandra-Maria Chiriac , Babeş-Bolyai University, Romania
P 7	<i>Substituent Effects on the Photophysical Properties of Neutral and Anionic Seminaphthofluorones: A Computational Study</i> Vasile Chiş , Babeş-Bolyai University, Romania
P 8	<i>Time-Dependent SERS and DLS of AgNPs Aggregation in Natural Hypersaline Water and its Multisalt Model</i> Anamaria Couti , Babeş-Bolyai University, Romania
P 9	<i>Exploratory SERS-Based Profiling of Pleural Fluid - A Pilot Study</i> Ramona-Gabriela Cozan , Babeş-Bolyai University, Romania
P 10	<i>Integrated Plasmonic Paper-Based SERS Biosensors for Wearable Sweat Biomarker Monitoring</i> Matei Crăciunescu , Babeş-Bolyai University, Romania

P 11	<i>Structure, Electronic Properties, and Spectroscopy of 2-Nitroimidazole Radiopharmaceuticals: A Computational Perspective</i> George Crişan , Babeş-Bolyai University, Romania
P 12	<i>Excited State Electric Dipole Moment of Citric Acid Molecule Estimated from Solvatochromic Data</i> Dan-Gheorghe Dimitriu , Alexandru Ioan Cuza University, Romania
P 13	<i>Morphology-Induced Plasmonic Chirality in Gold Nanoflowers for Enantioselective Sensing</i> Andrei Dincă , Babeş-Bolyai University, Romania
P 14	<i>Structural and Vibrational Characterization of a New Prothionamide-Urea Dual Crystalline System</i> Merve Durmus , Istanbul Kultur University, Turkey
P 15	<i>Spectroscopic Insights Into Cancer Stem Cell - Associated Signatures in Hepatocellular Carcinoma</i> Burcu Gencay , Izmir Institute of Technology, Turkey
P 16	<i>Optical Extinction and Light Scattering in Plasmonic Ag and Au Nanoparticle Suspensions for Raman-Based Applications</i> Ştefania Iancu , Babeş-Bolyai University, Romania
P 17	<i>Influence of Surfactants and Surface Potential on SERS Activation of Silver Nanoparticles</i> Miruna Alexandra Ibrian , Babeş-Bolyai University, Romania
P 18	<i>Crystal Structure, Spectroscopic Characterization and Computational Analysis of an Isoniazid-Citric Acid Salt</i> Neris Inci Inan , Istanbul Kultur University, Turkey
P 19	<i>Structure of Aβ42 Oligomers Studied with Isotope-Edited FTIR</i> Oleksandra Kurysheva , Stockholm University, Sweden
P 20	<i>Laser-excited Temperature-jump IR Spectroscopy Reveals Lipid-driven Conformational dynamics in Membrane Proteins</i> Christian Langlouis , University of Konstanz, Germany
P 21	<i>Insights From Raman Spectroscopy About Environmentally Aged Micro and Nanoplastic; Challenges in Detection, Identification and Quantification</i> Karlo Maškarić , Babeş-Bolyai University, Romania
P 22	<i>Time-Resolved FTIR-Spectroscopy to Monitor Dynamics of Photo-Switchable Biomimetic Membranes</i> Selina Mertens , University of Konstanz, Germany
P 23	<i>Confocal Raman Microscopy for Localized Tracking of Developmental Biochemistry in Sea Urchin Larvae</i> Fran Nekvapil , Babeş-Bolyai University, Romania
P 24	<i>Gold-Based Plasmonic Nanostructures for SERS Detection in Complex Biological Matrices</i> Dragoş-Ioan Olariu , Regional Institute of Oncology Iasi, Romania

P 25	<i>Structural and Physicochemical Comparative Analysis of Starch Extracts from Autochthonous and International Potato Cultivars</i> Tudor Pop , Babeş-Bolyai University, Romania
P 26	<i>Raman Spectroscopic Evidence of Convergent Pigmentation in Marine Shells and Avian Feathers</i> Iuliana-Cornelia Sandu-Poplacean , Babeş-Bolyai University, Romania
P 27	<i>Label-Free SERS for Blood Serum Profiling using Gold Nanoparticles with Different Capping Molecules</i> Renata Septila , Regional Institute of Oncology Iasi, Romania
P 28	<i>Photochemically Modified Microplastics Probed by FTIR Spectroscopy: Implications for Biomolecular and Bacterial Interactions</i> Adriana Smarandache , National Institute for Laser Plasma and Radiation Physics, Romania
P 29	<i>Unveiling the Hidden Structure of Lawsone Derivatives by Solid-State NMR Spectroscopy</i> Raul-Mircea-Andrei Stan , Babeş-Bolyai University, Romania
P 30	<i>Achieving Chemical Accuracy for the First Two Singlet Excited States of Molecular Oxygen</i> Ştefan Stan , Babeş-Bolyai University, Romania
P 31	<i>Predicting Stokes Shifts of Chromophore-Solvent Pairs using Machine-Learning</i> Stefania-Renata Stepanov , Babeş-Bolyai University, Romania
P 32	<i>Computational Assessment of Proton Beam-Induced Dna Damage in Human Fibroblasts Using GEANT4-DNA</i> Tatiana Tozar , National Institute for Laser, Plasma and Radiation Physics, Romania
P 33	<i>Tree-Based Machine Learning Model for Fluorescence Lifetime Prediction in Organic Compounds</i> Dragoş-Cătălin Vovea , Babeş-Bolyai University, Romania
P 34	<i>Vibrational Spectroscopy as a Rapid Screening Tool for Genetic Transformation in Plants: A Practical Approach for Biotechnologists</i> Syeda Takmeel Zahra , Jagiellonian University, Poland
P 35	<i>Metabolite Panel Identification in Urinary Metabolomics via Random Forest for Breast Cancer Detection</i> Markus Zetes , Babeş-Bolyai University, Romania
P 36	<i>Microscopic Examination of Squamous Cell Skin Carcinoma Using Autofluorescence-Raman Imaging</i> Joe Whitmore , University of Nottingham, UK