

PROGRAMME:

9:00-9:15	Registration
	OPENING
9:15-9:20	Introductory speech of the symposium organizer: Dr. Ivana Vinković Vrček
	PLENARY LECTURE
9:20-10:20	Prof Frances Separovic (Bio21 Institute, University of Melbourne, Australia) <i>NMR structural studies of antimicrobial peptides in model membranes and live bacteria</i>
	ORAL PRESENTATIONS
10:20-10:35	Ana-Marija Milisav (Ruđer Bošković Institute, Zagreb, Croatia) <i>Multilayers of polyaminoacids and silver nanoparticles as antimicrobial coatings for orthopaedic implants</i>
10:35-10:50	Nikolina Kalčec (Institute for Medical Research and Occupational Health, Croatia) <i>Different conjugation strategies of gold nanoparticles with anti-SARS-CoV-2 antibodies for ultrasensitive coronavirus detection.</i>
10:50-11:05	Urška Jančič (Faculty of Mechanical Engineering, University of Maribor, Slovenia) <i>Investigation into the physico-chemical properties of bacterial nanocellulose membranes after an alkali purification process.</i>
11:05-11:30	“COFFEE BREAK”
11:30-11:45	Aleksandar Opančar (Faculty of Science, University of Zagreb, Croatia) <i>Optimizing bilayer organic PN junctions for photo-capacitive stimulation</i>
11:45-12:00	Snigdha Thekke Thalakkal (Ruđer Bošković Institute, Zagreb, Croatia) <i>Whispering gallery mode spherical microspheres; sensing and nonlinear optical applications</i>
12:00-12:15	Ana Tolić (Ruđer Bošković Institute, Zagreb, Croatia) <i>Identification and quantification of microplastics in bottled water by micro-Raman spectroscopy</i>

12:15 -12:30	Dr. Maria Kolypadi Markovic (Faculty of Physics, University of Rijeka, Croatia) <i>Azide-alkyne click reactions in vapor phase processes</i>
12:30-12:45	Ivan Mamić (Faculty of Pharmacy and Biochemistry, University of Zagreb, Croatia) <i>Cellular model of Parkinson's disease for safety testing of gold-based nanodelivery system</i>
12:45-13:00	Katarina Mužina (Faculty of Chemical Engineering and Technology, University of Zagreb, Croatia) <i>Houdini – synthesis of ceria nanocatalyst</i>
13:00-13:15	Nikolina Peranić (Institute for Medical Research and Occupational Health, Croatia) <i>Biocompatibility assessment of selenium nanoparticles as a potential drug-delivery system</i>
13:15-13:30	Maria Krajačić (School of Medicine, University of Zagreb, Croatia) <i>Artificial neural network and support vector machine regression for forensic age determination using Raman spectra of teeth</i>
13:30-13:40	CLOSING: DR. IVANA VINKOVIĆ VRČEK
13:40	„LUNCH“