

Time	Wednesday/Srijeda April 9 th , 2025	Time	Thursday/Četvrtak April 10 th , 2025	Time	Friday/Petak, April 11 th , 2025
8:30	Registration Amphitheatre A02	9:15-9:30	Registration Amphitheatre A02	9:00-9:15	Registration Amphitheatre A03
9:00-9:30	Opening ceremony <i>Chair – Knezović</i>		<i>Chair – Dolonga</i>		<i>Chair – Bakalić</i>
9:30-10:15	PL1 Živković	9:30-10:15	PL2 Forsberg	9:15-10:00	PL3 Bogdanović
10:15-10:45	IL1 Perinović Jozić	10:15-10:30	Violeta	10:00-10:30	IL2 Petrović
		10:30-10:45	Sherwin-Williams		
10:45-11:25	<i>Coffee + Poster session 1</i> <i>Chair – Knezović</i>	10:45-11:25	<i>Coffee + Poster session 3</i> <i>Chair – Dolonga</i>	10:30-11:00	<i>Coffee + Poster session 5</i> <i>KTF tour</i>
11:25-12:20	OP1.1 Styn	11:25-12:30	OP4.1 Bošnjak Hordov	10:45-11:15	IL3 Badanjak Sabolović
	OP1.2 Tutić		OP4.2 Drašković	11:15-11:45	Closing ceremony
	OP1.3 Sadowski		OP4.3 Gudelj	11:45-12:00	
	OP1.4 Kranjec		OP4.4 Gracin		
	OP1.5 Kužnik		OP4.5 Herceg		
			OP4.6 Stanković		
12:30-14:00	 <i>Lunch</i>	12:30-14:00	 <i>Lunch</i>		
14:15-15:20	<i>Chair – Bakalić</i>	14:15-15:20	<i>Chair – Aljinović</i>		
	OP2.1 Kunovský		OP5.1 Aquilanti		
	OP2.2 Fojtášková		OP5.2 Urlič		
	OP2.3 Florian		OP5.3 Melini/Raffo		
	OP2.4 Prlić		OP5.4 Ashim		
	OP2.5 Sedlar		OP5.5 Uysal/Zanoli		
	OP2.6 Roldo		OP5.6 Duca		
15:20-15:50	<i>Coffee + Poster session 2</i> <i>Chair – Bakalić</i>	15:20-15:50	<i>Coffee + Poster session 4</i> S.A.K.Z d.o.o		
15:50-16:55	OP3.1 Surdyk	16:05-16:50	<i>Chair – Aljinović</i>		
	OP3.2 Radunović		OP6.1 Štorga		
	OP3.3 Jonuz		OP6.2 Srpak		
	OP3.4 Andrić		OP6.3 Šilić		
	OP3.5 Radan		OP6.4 Nikić		
	OP3.6 Baćović				
18:00-20:00	<i>Diocletian Palace tour</i>	20:00-22:00	<i>Green Talks</i>		

Program 5th ZORH

PL = plenary lecture; IL = invited lecture; OP = oral presentation

Plenary Lectures/Invited Lectures

Plenary Lectures		
Code	Name	Title
PL1	Igor Živković	MERCURY IN THE ADRIATIC AND MEDITERRANEAN: ORIGIN, TRANSFORMATIONS, AND TRENDS
PL2	Kerstin Forsberg	CHALLENGES IN HYDROMETALLURGICAL PROCESSING OF MATERIALS AND OPPORTUNITIES FOR CIRCULARITY
PL3	Tanja Bogdanović	MICROPLASTICS - A GROWING ENVIRONMENTAL PROBLEM AND A THREAT TO PUBLIC HEALTH: FINDINGS FROM THE LAST TWENTY YEARS OF RESEARCH
Invited Lectures		
IL1	Sanja Perinović Jozić	ONION PEEL AS A PART OF ACTIVE PACKAGING
IL2	Maja Petrović	MONITORING LEACHATE CONTAMINATION IN MUNICIPAL SOLID WASTE LANDFILLS BY ADDRESSING ORGANIC POLLUTANTS AND MICROPLASTICS FOR SUSTAINABLE WASTE MANAGEMENT AND ENVIRONMENTAL PROTECTION
IL3	Marija Badanjak Sabolović	DRYING OF FOOD PLANT WASTE AND BY-PRODUCTS: APPLICATION IN FUNCTIONAL FOOD DEVELOPMENT

Wednesday/Srijeda, April 9th, 2025

Oral Presentations – Session 1: Environmental Microbiology and Bioremediation		
Code	Authors	Title
OP1.1	Jan Styn, Kacper Tomasik, Marcin Borowicz, Robert Czajkowski, Dorota Krzyżanowska	THE EFFECT OF <i>Dickeya Dadantii</i> P2D1 TAILOCINS ON BACTERIA RESIDING IN THE PLANT RHIZOBIOME AND THEIR ROLE IN SHAPING THE NATURAL ENVIRONMENT
OP1.2	Josip Tutić, Barbara Bertović, Monika Šabić Runjavec, Marija Vuković Domanovac	BIOREMEDIATION OF OIL-CONTAMINATED SOIL USING INDIGENOUS BACTERIAL STRAINS
OP1.3	Adrian Sadowski, Anna Aksmann	NANOPLASTIC PARTICLES INFLUENCE GROWTH AND PHOTOSYNTHESIS OF THE GREEN ALGA <i>Desmodesmus armatus</i>
OP1.4	Jan Kranjec, Anica Pavlinović, Bojana Špirović Trifunović, Gorica Vuković, Iva Čurić, Davor Dolar	REMOVAL OF A CHEMICAL WARFARE AGENT SIMULANT FROM A BINARY SOLUTION USING NANOFILTRATION AND REVERSE OSMOSIS
OP1.5	Maja Kužnik, Dominika Saniewska	TAKE AND ELIMINATION ROUTES OF MERCURY IN ANTARCTIC SHAG (<i>Leucocarbo bransfieldensis</i>) INHABITING KING GEORGE ISLAND (MARITIME ANTARCTICA)
Oral Presentations – Session 2: Advances in Materials Science and Waste Management		
OP2.1	Helena Fojtášková	REDUCTION OF THE PROBABILITY OF POLYTYPE SWITCHING DURING THE GROWTH OF 4H-SiC
OP2.2	Vojtěch Florian, Pavel Šiler, Ondřej Kunovský	UTILIZING NON-KAOLINITIC CLAYS FOR LOW-COST ECOLOGICAL MIXED CEMENT
OP2.3	Ondřej Kunovský, Pavel Šiler, Vojtěch Florian	INFLUENCE OF FORMATE-BASED ACCELERATORS ON HYDRATION PROCESS AND MECHANICAL PROPERTIES OF PORTLAND CEMENT DOPPED BY ZINC
OP2.4	Ivica Prlić	VARIOUS PUZZLES CONCERNING RADON GAS IN CROATIAN FRESHWATERS
OP2.5	Jelena Sedlar, Ivana Smoljko	EVALUATION OF THE ENVIRONMENTAL IMPACT OF WASTE MANAGEMENT SYSTEMS OF CROATIAN TOURIST DESTINATIONS
OP2.6	Liane Roldo, Jaqueline Dilly	SITUATION OF SOLID WASTE MANAGEMENT IN BRAZIL: A COUNTRY OF CONTINENTAL DIMENSIONS
Oral Presentations – Session 3: Sustainable Development: Maritime, Technology, and Global Initiatives		
OP3.1	Magdalena Surdyk	CHINESE APPROACH TO SUSTAINABLE DEVELOPMENT AS SEEN IN THE BELT AND ROAD INITIATIVE PROJECTS
OP3.2	Filip Radunović	SHIP RECYCLING AS PILLAR OF SUSTAINABLE DEVELOPMENT
OP3.3	Alen Jonuz	THE INFLUENCE OF SHIPBUILDING STEEL ROUGHNESS ON THE EXTENT AND INTENSITY OF MARINE FOULING
OP3.4	Vasilije Andrić	APPLICATION OF BIOCOMPOSITES IN MARITIME INDUSTRY
OP3.5	Milan Radan	ENVIRONMENTAL IMPACT OF SELF-POLISHING ANTIFOULING COATINGS
OP3.6	Ivana Baćović	SMART TECHNOLOGIES AND TECHNIQUES IN ENVIRONMENTAL PROTECTION

Poster Presentations – Session 1 Waste Management and Circular Economy	
Marija Ćosić, Antonija Čelan, Tamara Đolonga, Tina Smoljan	HYDRODYNAMIC CHARACTERIZATION AND SCALE-UP OF BATCH CRYSTALLIZER FOR BATTERY MATERIALS RECOVERY
Berina Hadžalić, Elma Bajrić, Amina Bjelić, Zehrudin Osmanović, Ervin Karić, Damir Mulamehmedović	WASTE GLASS AS AN ALTERNATIVE RAW MATERIAL IN THE CEMENT INDUSTRY
Amra Odobašić, Indira Šestan, Amna Karić, Melisa Ahmetović, Husejin Keran	BENTONITE AFTER ADSORPTION OF LEAD AND COPPER: CHARACTERIZATION AND POTENTIAL APPLICATION AS STARTING RAW MATERIAL - CIRCULAR ECONOMY CONCEPT
Petra Slišković, Ana Kokeza, Antonija Jurić, Marin Ugrina	TOTAL MERCURY DETERMINATION IN MICROWAVE-ASSISTED ACID DIGESTED MERCURY-CONTAMINATED SOIL FROM THE IDRIJA MINE SITE IN SLOVENIA WITH ADVANCED MERCURY ATOMIC ABSORPTION SPECTROMETRY
Pero Dabić, Marija Ćosić, Damir Barbir, Jelena Sedlar, Danijela Jurić Kaćunić	THE INFLUENCE OF THE ADDITION OF FLY ASH FROM BIOMASS COMBUSTION ON THE PHYSICAL AND CHEMICAL PROPERTIES OF PORTLAND CEMENT CEM II: THE PERSPECTIVE OF SUSTAINABLE CONSTRUCTION
Ivan Pavičić	OCCURRENCE OF ASBESTOS FIBERS IN THE AIR AT SOME CROATIAN CITIES
Maida Smajlović, Hana Alihodžić, Abdel Đozić, Mirnesa Ćorbić	THE IMPACT OF AMBIENT SO ₂ AND PM _{2.5} CONCENTRATIONS ON AIR QUALITY IN URBAN AREAS OF TUZLA, LUKAVAC, AND ŽIVINICE (2019 – 2024)
Milica Zdravković, Vesna Grekulović, Nada Štrbac, Edina Huseinović, Milan Gorgievski, Miljan Marković, Kristina Božinović	WHITE WILLOW BARK EXTRACT AS A COPPER CORROSION INHIBITOR IN 0.5 M NaCl SOLUTION
Marijan Gotić, Monika Šoltić, Izabela Đurasović, Nikola Baran, Ivan Marić, Matthijs A. van Spronsen, Goran Dražić, Goran Štefanić, Marijan Marcioš, Robert Peter, Mile Ivanda	SYNTHESIS AND CHARACTERIZATION OF PLATINUM NANOPARTICLES ON REDUCIBLE METAL OXIDE SUPPORTS FOR CATALYTIC APPLICATIONS AND HYDROGEN SENSING
Mirko Gojić, Stjepan Kožuh, Ivana Ivanić, Sanja Šolić	PROIZVODNJA ČELIKA I ZAŠTITA OKOLIŠA (PRODUCTION OF STEEL AND ENVIRONMENTAL PROTECTION)

Poster Presentation – Session 2: Environmental Impact of Pharmaceuticals and Medical Waste Management	
Vittorio Coen, Bianca Lerotić, Stjepan Jozinović, Lucija Svorcina, Katarina Sokač, Krunoslav Žižek	GREEN CO-PROCESSING OF EXCIPIENTS FOR IMPROVED THERAPEUTIC OUTCOME OF DRUG
Dora Lastovčić, Luka Večenaj, Martina Miloloža, Matija Cvetnić, Marinko Markić, Lidija Furač, Tomislav Bolanča, Šime Ukić, Dajana Kučić Grgić	PRISILNA RAZGRADNJA SARS-CoV-2 ANTIVIRUSNIH SUPSTANCI (FORCED DEGRADATION OF SARS-CoV-2 ANTIVIRAL SUBSTANCES)
Tea Franjić, Nives Vladislavić, Ivana Škugor Rončević	MODELING OF MICROWAVE EXTRACTION OF TOTAL PHENOLS AND ANTIOXIDANT ACTIVITY OF ROSEMARY (<i>Rosmarinus officinalis</i> L.)
Selma Bureković, Tea Jurišić	HOW TO PROPERLY DISPOSE OF MEDICAL WASTE?
Luka Đuran, Stela Relota, David Đuranec, Monika Šabić Runjavec, Marija Vuković Domanovac	ECOLOGICAL RISKS AND MICROBIAL DEGRADATION OF MACROLIDE ANTIBIOTICS
Leona Čakić, Kristina Tolić Čop, Dragana Mutavdžić Pavlović	PHOTOCATALYTIC DEGRADATION OF PROCAINE USING A PHOTOCATALYST WITH THE PROCAINE MOLECULE IMPRINT – DEGRADATION MECHANISM AND MATRIX EFFECT
Livia Slišković, Petra Brzović, Olivera Politeo, Marijana Popović, Ivana Generalić Mekinić	ANTIRADICAL ACTIVITY OF SEA FENNEL HYDROLATES FROM DIFFERENT PLANT PARTS

Thursday/Četvrtak, April 10th, 2025

Oral Presentations - Session 4: Green Technologies, Sustainable Energy, and Recycling		
Code	Authors	Title
OP4.1	Jelena Bošnjak Hordov , Marija Čosić, Sandro Nižetić	INVESTIGATION OF NOVEL WASTE-BASED PHASE CHANGE MATERIALS FOR THERMAL ENERGY STORAGE
OP4.2	Dominik Drašković, Josip Gudelj, Srećko Herceg, Nenad Bolf, Marko Sejdić	SUSTAINABLE HYDROGEN PRODUCTION FROM SURPLUS WIND ENERGY USING PEM WATER ELECTROLYSIS
OP4.3	Josip Gudelj, Dominik Drašković, Srećko Herceg, Nenad Bolf, Marko Sejdić	ANALYSIS OF TECHNOLOGIES FOR GREEN HYDROGEN PRODUCTION
OP4.4	Petra Gracin, Bojan Kropf, Ladislav Vrsalović, Aleš Nagode	ALUMINIUM RECYCLING IN IMPOL-TLM CORPORATION
OP4.5	Ana Herceg, Nik Maselj, Vasko Jovanovski, Nejc Hodnik, Primož Jovanović	CONNECTING KNOWLEDGE ACQUIRED DURING HIGHER EDUCATION TO INNOVATIVE RESEARCH ON DICYANAMIDE-BASED PLATINUM MODIFICATION FOR SUSTAINABLE TECHNOLOGIES
OP4.6	Igor Stanković, Marina Šumanović, Nikola Hanžek & Mario Šiljeg	DRIVERS OF EUTROPHICATION IN CROATIAN RIVERS: THE ROLE OF AGRICULTURE, URBANIZATION, AND RIVER TYPOLOGY

Oral Presentations – Session 5: PRIMA project SEAFENNEL4MED		
OP5.1	Lucia Aquilanti	CHARACTERIZATION OF MEDITERRANEAN SEA FENNEL ECOTYPES
OP5.2	Branimir Urlić	SUSTAINABLE PRODUCTION OF ORGANIC SEA FENNEL CROP
OP5.3	Valentina Melini/Antonio Raffo	EXPLOITATION OF SEA FENNEL EDIBLE AERIAL PARTS FOR MANUFACTURING OF INNOVATIVE SEA FENNEL-BASED FOODS
OP5.4	Aizhan Ashim	VALORISATION OF SEA FENNEL CROP BY-PRODUCTS FOR PRODUCTION OF FUNCTIONAL FOOD INGREDIENTS/NUTRACEUTICALS/SOIL AMENDMENTS
OP5.5	Ozlem Uysal/Zanoli Raffaele	DEMONSTRATION OF SOCIO-ECONOMIC BENEFITS OF THE PROPOSED INNOVATIONS
OP5.6	Daniele Duca	DEMONSTRATION OF ENVIRONMENTAL IMPACTS AND SUSTAINABILITY OF THE PROPOSED INNOVATIONS

Oral Presentations – Session 6: From Knowledge to Action: Circular Economy and Sustainability		
OP6.1	Lara Štorga, Donna Danijela Dragun, Marta Pleše, Ana Sikavica, Nera Bebek, Leda Kolarek, Hana Širić, Ernest Meštrović	OVERVIEW OF TASK-SOLVING EFFICIENCY IN CHEMISTRY AND CHEMICAL ENGINEERING EDUCATION USING LARGE LANGUAGE MODELS (LLMS)
OP6.2	Melita Srpak, Ivan Mesić	KRUŽNO GOSPODARENJE OTPADOM U VARAŽDINSKOJ ŽUPANIJI - ODRŽIVA RJEŠENJA ZA ZELENU BUDUĆNOST (CIRCULAR WASTE MANAGEMENT IN VARAŽDIN COUNTY – SUSTAINABLE SOLUTIONS FOR A GREEN FUTURE)
OP6.3	Nena Šilić	ADRIABIOHUB - HUB ZA KRUŽNU BIOEKONOMIJU JADRANSKE REGIJE (ADRIABIOHUB - CIRCULAR BIOECONOMY HUB OF THE ADRIATIC REGION)
OP6.4	Božidar Nikić, Hrvoje Runje	BIOREAKTOR IKA HABITAT KAO POMOĆ U RIJEŠAVANJU GLOBALNIH IZAZOVA U 21. STOLJEĆU (IKA HABITAT BIOREACTOR TO HELP SOLVE GLOBAL CHALLENGES IN THE 21 ST CENTURY)

Poster Presentations – Session 3: Green Technologies and Waste Valorization	
Authors	Title
Laura Jaklenec, Sabina Fućak, Dora Bramberger, Karlo Grgurević, Martina Miloloža, Matija Cvetnić, Vesna Očelić Bulatović, Krešimir Stublić, Jasmina Ranilović, Stela Jokić, Krunoslav Aladić, Ivica Strelec, Marinko Markić, Tomislav Bolanča, Šime Ukić, Dajana Kučić Grgić	VALORIZATION OF APPLE WASTE THROUGH THE BIOSYNTHESIS OF POLYHYDROXYALKANOATE USING SOLID-STATE FERMENTATION
Vilim Marijan Boroša, Kristian Koštan, Renata Vičević, Ivan Karlo Cingesar, Domagoj Vrsaljko, Bruno Zelić, Anita Šalić	OPTIMIZATION OF GLUCOSE DEHYDROGENASE IMMOBILIZATION IN A 3D-PRINTED MILLIREACTOR
Ana Coban, Ivona Zirn, Martina Miloloža, Dajana Kučić Grgić	THE DETERMINATION OF ECOTOXICITY OF CHITOSAN, TITANIUM DIOXIDE AND THYMOL USING THE MARINE BACTERIUM <i>Vibrio fischeri</i> AND MICROALGAE <i>Chlorella sp.</i>
Lucija Vrbić, Ana Tutić, Martina Miloloža, Matija Cvetnić, Dajana Kučić Grgić	BIOREMEDIATION OF WATER POLLUTED WITH PHENOLS, CYANIDES AND RHODANIDES BY GREEN MICROALGAE <i>Chlorella sp.</i>
Leonarda Leskovar, Dinka Omerčić, Dora Bramberger, Karlo Grgurević, Martina Miloloža, Matija Cvetnić, Vesna Očelić Bulatović, Krešimir Stublić, Jasmina Ranilović, Marinko Markić, Tomislav Bolanča, Šime Ukić, Dajana Kučić Grgić	PHYSICO-CHEMICAL AND MICROBIOLOGICAL CHARACTERIZATION OF AGRO-INDUSTRIAL WASTE
Nina Roglić, Martina Čagalj, Danijela Skroza, Helena Virić Gašparić, Darija Lemić, Vida Šimat	THE EFFECT OF OZONE TREATMENT ON SELECTED PATHOGENIC BACTERIA
Vanesa Begura, Martina Čagalj, Danijela Skroza, Helena Virić Gašparić, Darija Lemić, Vida Šimat	THE EFFECT OF OZONE TREATMENT ON SHRIMP (<i>PARAPENAEUS LONGIROSTRIS</i>) MEAT QUALITY PARAMETERS DURING REFRIGERATED STORAGE
Tamara Dabro, Lucija Karamatić, Martina Čagalj, Maja Veršić Bratinčević, Mira Radunić, Vida Šimat, Danijela Skroza	PHENOLIC CONTENT AND ANTIOXIDANT POTENTIAL OF POMEGRANATE BY-PRODUCTS
Marina Kranjac, Elda Vitanović, Barbara Soldo, Saša Prđun, Kristijan Čačija, Željana Fredotović	ECO-CONSCIOUS EXTRACTION METHODS IN UNLOCKING THE CHEMICAL PROFILES AND BIOACTIVE POTENTIAL OF MONOFLORAL BEE POLLEN
Marijana Franičević, Ivana Kavain, Vlatka Paštar	VOLATILE COMPOUNDS IN MERLOT WINE POMACE SUPERCRITICAL EXTRACT
Petra Koceić, Valentina Knežević, Mladenka Šarolić	PREGLED MOGUĆNOSTI ISKORIŠTAVANJA KOŠTICA MASLINA (OVERVIEW OF THE POSSIBILITIES OF OLIVE KERNELS UTILIZATION)
Marek Chajduk, Marek Gołębiowski, Marzena Stańska, Christophe Lucas	PLANT-BASED VOLATILE ORGANIC COMPOUNDS AND THEIR POTENTIAL TO DETER SPIDERS
Kacper Tomasik, Jan Styn, Marcin Borowicz, Dorota M. Krzyżanowska, Robert Czajkowski	BRING BALANCE TO THE FORCE: TAILOCINS FROM <i>Dickeya dadantii</i> 3937 AS EFFECTIVE WEAPONS AGAINST ENVIRONMENTAL BACTERIA
Marin Ugrina, Nediljka Vukojević Medvidović, Mila Bulić	ENHANCING DIGITAL SKILLS FOR SUSTAINABLE ENGINEERING: A SIMULATION-BASED APPROACH IN PROCESS DESIGN
Ljiljana Najev Čačija, Ivana Ninčević Pašalić, Smiljana Pivčević, Maja Ćukušić	INTERDISCIPLINARY APPROACHES TO SUSTAINABLE TOURISM: INTEGRATING DIGITAL AND GREEN COMPETENCIES FOR IDENTIFYING AND SOLVING DEVELOPMENT CHALLENGES

Poster Presentations – Session 4: Water Treatment and Environmental Remediation	
Authors	Title
Anita Bašić, Gabrijela Jakovljević, Renato Stipišić, Sandra Svilović	KINETIC SORPTION OF COPPER CATIONS ON ZEOLITE NAX: INFLUENCE OF ZEOLITE NAX MASS CONCENTRATION
Nediljka Vukojević Medvidović, Lucija Peran, Sandra Svilović, Senka Gudić, Ladislav Vrsalović	ELECTROCOAGULATION, ZEOLITE AND MAGNETIC ASSISTANCE FOR WASTEWATER TREATMENT: ASSESSING THE ROLE OF ELECTRODE MATERIAL
Anica Pavlinović, Mislav Marinčić, Nikoletta Kovacz, Gabor Maasz, Ildiko Galambos, Ivana Panžić, Iva Ćurić, Davor Dolar	REMOVAL OF PESTICIDES FROM BINARY SOLUTIONS USING NANOFILTRATION AND REVERSE OSMOSIS
Anna Rojewska, Magda Caban, Klaudia Godlewska, Paweł Rostkowski, Anna Białk-Bielińska	SELECTION OF SOLID PHASE EXTRACTION CONDITIONS FOR EMERGING CONTAMINANTS IN WATER SAMPLES - TOWARDS GREEN CHEMISTRY AND SUSTAINABLE DEVELOPMENT
Stela Rotim, Lidija Tadić	HYDROLOGICAL IMPACTS ON ECOLOGICAL VALUES OF REGIONAL PARK MURA - DRAVA
Antea Ivančević, Marin Ugrina, Antonija Jurić, Ivona Nuić, Marina Trgo, Martin Gaberšek, Teja Čeru, Mateja Gosar	MODELING AND OPTIMIZATION OF MERCURY REMOVAL ONTO NATURAL AND Fe(III)-MODIFIED ZEOLITE
Maja Knezović, Marin Ugrina, Martin Gaberšek	SULFIDIZATION OF NATURAL ZEOLITE CLINOPTILOLITE AS A PROMISING METHOD FOR IMPROVING THE SELECTIVE SORPTION OF Hg(II)
Ivona Nuić, Karla Galov, Marin Ugrina, Franko Burčul, Ana Vučak	THE EFFECTIVENESS OF VARIOUS SUSTAINABLE LOW-COST MATERIALS IN THE TREATMENT OF PESTICIDE-CONTAMINATED WATER
Sunčica Mileta, Ivona Nuić	RECYCLING OF OLIVE PITS AS SUSTAINABLE ADSORBENT IN WATER TREATMENT
Erik Mihelič, Marjana Simonič	EFFECT OF BIOCHAR ON DRYING PERFORMANCE OF MUNICIPAL SEWAGE SLUDGE

Friday/Petak, April 11th, 2025

Poster Presentations – Session 5: Recycling, Composting, and Biodegradable Materials	
Authors	Title
Jelena Jakić, Dragana Petrović, Ladislav Vrsalović, Senka Gudić	REMOVAL OF MICROPLASTICS FROM SYNTHETIC SEAWATER
Nimai Bubalo Kotnik, Mihael Sever, Vivian Malnar, Hana Blajić, Laura Filipović-Grčić, Biljana Apostolska	MIKROPLASTIKA U VODI ZA PIĆE: VODOVODNA VODA I VODA U BOCAMA (MICROPLASTIC PARTICLES IN DRINKING WATER SAMPLES: TAP WATER AND BOTTLED WATER)
Miće Jakić, Anna Pastuović, Mario Nikola Mužek, Sanja Perinović, Jozić	MECHANICAL RECYCLING OF THE POLYAMIDE TRIMMER LINE: SOLUTION OR A WASTE OF TIME?
Petra Juranović, Anamaria Perić, Karlo Grgurević, Dajana Kučić Grgić, Vesna Ocelić Bulatović	COMPATIBILIZATION EFFECTS ON THE THERMAL AND MECHANICAL PROPERTIES OF BIODEGRADABLE POLY(LACTIC ACID)/POLYHYDROXYALKANOATE BLENDS
Lucija Vlahović, Ena Miletić, Dora Milički, Karlo Grgurević, Dajana Kučić Grgić, Vesna Ocelić Bulatović	BIODEGRADABLE PLA/PHBV POLYMER BLENDS FOR SUSTAINABLE PACKAGING IN THE FOOD INDUSTRY
Matea Nižić, Irena Krešić, Sanja Perinović Jozić, Miće Jakić	RECYCLING OF WASTE PACKAGING MATERIAL
Ida Bulić, Anita Štrkalj, Mateo Lončar, Zoran Glavaš	ANALIZA SASTAVA MIJEŠANOG KOMUNALNOG OTPADA PRIJE I NAKON UVOĐENJA ODVOJENOG SAKUPLJANJA BIORAZGRADIVOG OTPADA (ANALYSIS OF MUNICIPAL SOLID WASTE COMPOSITION BEFORE AND AFTER THE IMPLEMENTATION OF SEPARATE COLLECTION OF BIODEGRADABLE WASTE)
Kuzmičić Rosandić Tea, Dalka Zanki, Matea Taraš	“CITIZEN SCIENCE” - ULOGA GRAĐANA U KVANTITATIVNOJ I KVALITATIVNOJ ANALIZI MORSKOG OTPADA (“CITIZEN SCIENCE” – THE ROLE OF CITIZENS IN THE QUANTITATIVE AND QUALITATIVE ANALYSIS OF MARINE LITTER)
Hana Bekan, Lucija Jovanović, Ivana Peraga, Nediljka Vukojević Medvidović	COMPOST VS. SUBSTRATES: A PHYSICOCHEMICAL INSIGHT INTO ORGANIC SOIL AMENDMENTS
Maša Buljac, Nediljka Vukojević Medvidović, Josip Radić, Sanja Perinović Jozić, Petra Ključarić, Ena Miloloža	EVALUATING THE EFFECTIVENESS OF THE C-ECOFORHOME COMPOSTER FOR INSTITUTIONAL BIOWASTE PROCESSING
Fani Bakalić, Klara Zelenika, Ana Puzić, Maša Buljac, Nediljka Vukojević Medvidović, Josip Radić	SUSTAINABLE APPROACHES TO BIOWASTE MANAGEMENT: TOWARDS A GREENER FUTURE