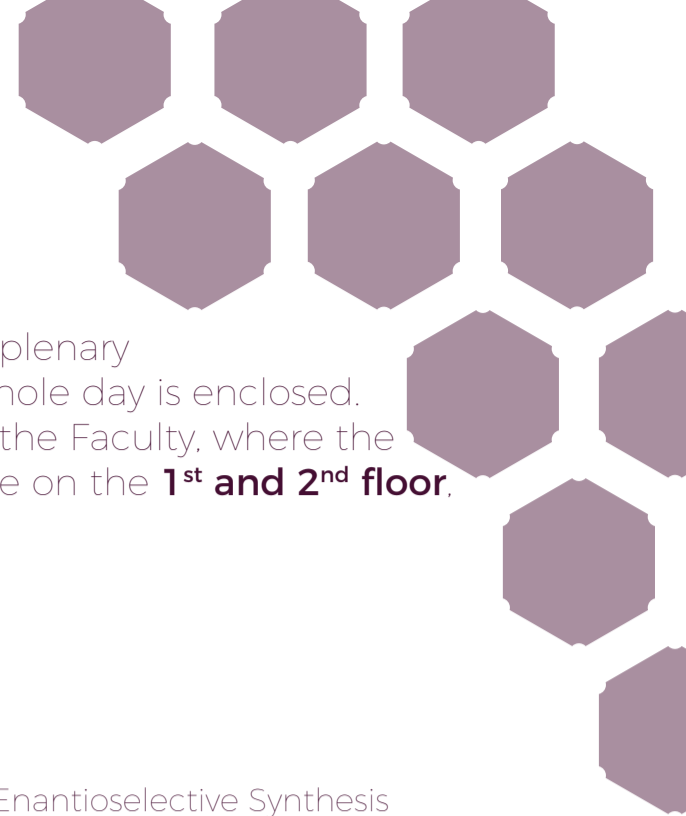


PROGRAMME

19TH OF SEPTEMBER 2017



The conference will open in **hall B** on the **2nd floor of the X building**. All three plenary lectures and the closing ceremony will also take place there. Itinerary for the whole day is enclosed. The **oral presentations** will be held in **lecture halls 3 and 4** on the **3rd floor** of the Faculty, where the sponsor exhibition stands will also be located. The **poster session** will take place on the **1st and 2nd floor**, where coffee break will also be served. The lunch will be organized in the faculty cafeteria.

LIST OF POSTER PRESENTATIONS

- 1 ... **SABINA OTT**: Phylogenomic Analysis of RNA Viruses in Invertebrates
- 2 ... **SEBASTIJAN RIČKO**: Synthesis and Use of Camphor-derived Organocatalysts in Enantioselective Synthesis
- 3 ... **ANŽEJ HLADNIK**: Trans-Activation Response Element RNA is Detectable in the Plasma of Subset of Aviremic HIV-1-Infected Patients
- 4 ... **GORAZD KODERMAN PODBORŠEK**: Photocatalytic Activity of Titanium Dioxide Thin Films Doped with Silicon or Iron
- 5 ... **EVA ŽUNEC**: Application of German Self-Assessment Method about Management Effectiveness in Protected Areas on Slovenian Nature Parks
- 6 ... **NEJC PETEK**: Synthesis and Bioactivity of Novel 7-(1-aminoalkyl)pyrazolo[1.5-a]pyrimidines
- 7 ... **VITA HUDI**: Mathematical Modeling of the 2014 West African Ebola Epidemic
- 8 ... **TOMAŽ PIRMAN**: Microkinetics of Photocatalytic Partial Oxidation of Glycerol over CuO/MWCNT to Value-added Platform Chemical Building Blocks
- 9 ... **HARINARAYANAN PULIYALIL**: Hybrid Plasma Reactors for the Efficient Conversion of Methane to Liquid Chemicals
- 10 ... **DAŠA ROBIČ**: Studies on Biological Activity of Nystatin in Lipid Membranes
- 11 ... **BOJANA BRADIĆ**: Modeling of Heterogeneous N-deacetylation of Chitin in Alkaline Solution
- 12 ... **EVA JARC**: Apidose Triglyceride Lipase-mediated Lipid Droplet Breakdown is not Essential for Cell Survival During oid Nutrient Stress, but is Involved in Eicosan Production in Breast Cancer Cells
- 13 ... **NIKA STRAŠEK**: Synthesis and Testing of Potential Inhibitors of the Plasmodium Falciparum Dihydroorotate Dehydrogenase
- 14 ... **ANJA AJDOVEC**: Preparation of N-HALO Substituted Derivatives of Bicyclo[2.2.2]octenes Obtained from Cycloadditions of Maleimides on 2H-pyrane-2-ones
- 15 ... **ANDRAŽ ŠULIGOJ**: TiO₂-mesoporous SiO₂ Films for Removal od VOCs from Indoor Air
- 16 ... **JAN PERUTKA**: Basic Haematology and Citochemical Characteristics of Blood Cells from two Freshwater Turtle Species: Mauremys rivulata (valenciennes in Bory de Saint-Vincent 1833) and Emys orbicularis (linnaeus 1758) in Croatia
- 17 ... **EVA PLUT**: The Chiral Thiourea Organocatalyst for the Enantioselective Carbon-Carbon Bond Formation
- 18 ... **MIHA VIRANT**: The Evolution of Pyridine-Tethered Mesoionic Ligands and their Palladium Complexes as Catalysts in Sustainable Cross-Coupling Reactions
- 19 ... **BRUNO ALEKSANDER MARTEK**: Arylation of Selected Pyrrole-Containing Heterocycles via C-H Bond Activation
- 20 ... **KATERINA TOMSIČ**: Oxidative Stress During Sevoflurane or Propofol Anesthesia in Dogs with Early-Stage Myxomatous Mitral Valve Degeneration
- 21 ... **JAN PETROVČIČ**: Evaluation of Imidazolium Fluoride Based Reagents for Nucleophilic Fluorination of Organic Compounds
- 22 ... **PATRICIJA HRIBERŠEK**: Self-Assembly of Isotactic and Atactic Poly(Methacrylic Acid) Chains in Aqueous Solutions: Effect of Temperature
- 23 ... **TJAŠA GOLTNIK**: Synthesis of Flower-like TiO₂ Particles
- 24 ... **JERNEJ EKAR**: Oxidation of Guanine Nucleos(t)ides with Peroxynitrite
- 25 ... **MARKO RADAK**: Wildfire Propagation Modeling
- 26 ... **LEV MATOH**: Hydrothermal Synthesis of Nanostructured TiO₂ Particles with High Surface Area
- 27 ... **MAKSIMILJAN ADAMEK**: Phytotoxicity of Guaiacol and its Nitrated Derivatives
- 28 ... **DAŠA PAVC**: G-quadruplex Structure of DNA Oligonucleotides with GC Ends
- 29 ... **MARJAN LUKEŽIČ**: Impact of the Vent-Shape on the Efficiency of the Natural Smoke Ventilation and Heat Transfer from a Small Compartment
- 30 ... **BARBARA DEBEVEC**: Removal of Artificial Sweeteners from Aquatic Solutions by Ozonation
- 31 ... **IGOR BOSEVSKI**: Comparison of Oxidation Techniques for Removal of Antibiotic Tiamulin
- 32 ... **KLEMEN STROJAN**: In vitro Assessment of Potential Papillary Urothelial Neoplasm Treatment with Functionalized Polyethyleneimine Coated Magnetic Nanoparticles
- 33 ... **MIHA DREV**: Microwave Assisted C-H Bond Functionalization of Phenylpyrimidines in Water

- 34 ... ANA OBERLINTNER, TJAŠA RIJAVEC: Electric Conductivity of Gel Electrolytes
- 35 ... MATJAZ DLOUHY: Theoretical Study of 'Graphene-Like' Monomer Structures
- 36 ... TINA PALJK: Impact of the Electrolytes in the Li-S Battery System on the Process of Electrocrystallization of Lithium Sulfide
- 37 ... MILKA BORIĆ: Non-thermal Plasma Assisted Removal of Proteins from Shrimp Shell Waste Material
- 38 ... URŠA TOMAŽIN: Additional Applications of Enaminones
- 39 ... KATJA TRAVEN: Ruthenium (II) Coordination Compounds as Inhibitors of 15-lipoxygenase-1
- 40 ... TJAŠA GORIČAN: Characterization of Allosteric Mechanism of Cathepsin K Using a Novel Allosteric Effector
- 41 ... JURE CERAR: Modelling of Liquid Glycols: Molecular Dynamics and SWAXS Studies
- 42 ... ANŽE IVANČIČ: Stereoselective Organocatalyzed Michael Addition of Hydroxy-Pyrroles to trans- β -Nitrostyrenes
- 43 ... SABINA KOLŠEK: The Impact of Copper Nanoparticles on the Compositing Process
- 44 ... MILENA IVANOVIĆ: Chemometric Characterization of Slovenian Red Wines
- 45 ... URBAN GARTNER: Evaluation of *Trametes Versicolor*'s Capability for Nanoparticle Synthesis and Bioremediation
- 46 ... LUKA ŽNIDERŠIČ: Development of a SPME-GC-MS/MS Method for the Determination of Some Contaminants from Food Contact Material
- 47 ... MARKO TRAMPUŽ: Fesoterodine Fumarate Batch Crystallization Modelling: Mass Transfer Resistances, Kinetics, Equilibrium and Particle-size Distribution Prediction
- 48 ... BOŠTJAN ŽENER: Highly Efficient Titania Thin Films, Co-doped with Nitrogen and Platinum
- 49 ... ULA ROZMAN: Toxicity of Veterinary Antibiotic Tiamulin to Freshwater Organisms
- 50 ... MATIJA URŠIČ: Structural Investigation of Novel Ruthenium-Diketonate Complexes
- 51 ... GRIŠA GRIGORIJ PRINČIČ: Non-symmetric Phenyl Substituted 1, 2, 4, 5-tetraoxanes: Synthesis and Optimization
- 52 ... MONIKA HORVAT: Oxidation of Trifluoromethylthiolated Aromatic Compounds with Hydrogen Peroxide
- 53 ... EVA PUŠAVEC KIRAR: Copper Catalyzed Synthesis of 6,7-dihydro-1H,5H-pyrazolo[1.2-a]pyrazolones, Followed by Ring Opening
- 54 ... MOJCA JUTERŠEK: Development of DNA Barcoding Approach Based on rRNA Genomic Sequences for Detection of Cyanobacteria in Environmental Samples
- 55 ... JURE ZABRET: Protein Expression and Characterization of Three *M. aeruginosa* NIES843 orthocapses
- 56 ... ANDREJA BRATOVŠ: Targeting Cathepsins B, S and L with DARPin/stefinA-conjugated Liposomes in Cancer
- 57 ... ANA KRIŠELJ: Timelapse-Microscopy Analysis of Stochastic Cell Fate Decisions in Nematode *Caenorhabditis Elegans*
- 58 ... DOMINIK NABERGOJ: Effect of Bacterial Growth Rate on Phage Growth Parameters and Bacteriophage Fitness
- 59 ... DOMINIK NABERGOJ: Effect of Dilution Rate on Productivity of Continuous Production of Bacteriophages
- 60 ... PREDRAG KORICA: Influence of Waste Prevention on Greenhouse Gases Emissions of Waste Management in Croatia
- 61 ... SANJA POPOVIČ: Impact of Antibiotic Tiamulin Fumarate on Extracellular Ligninolytic Enzymes of Fungus *Dichmitus Squalens*
- 62 ... INES KULAŠIČ: Synthesis of Bimetal Fenton-like Catalyst for Wastewater Treatment
- 63 ... MARJAN LUKEŽIČ: Numerical Simulation of Ethene Molecular Motion in a Small Chamber
- 64 ... DOMEN ŽALEC, MATIČ MOŽE: Correlation Between Surface Roughness and Wetting Properties of Stainless Steel Surfaces
- 65 ... EVA ŽOS: Reactions of Ethoxymethylene Hydrazones with Anilines
- 66 ... ANŽE PAVLIN: The Synthesis of Selected Hydrazonoformamides
- 67 ... JAKOB KLJUN: Organoruthenium-Clioquinol Complex Impairs Tumour Cell Invasion by Inhibiting Cathepsin B Activity
- 68 ... ANA KUMP: Lipid Droplets Protect Cancer Cells from Lipotoxicity and Oxidative Stress
- 69 ... KLEMEN BERLEC: Corrosion Monitoring by Utilizing Electrochemical Impedance Spectroscopy and Visual Inspection Evaluation
- 70 ... LUKA KAVČIČ: Structural Features of α -hydrazino Peptidomimetics as Potential Modulators of p53-MDM2 Interaction
- 71 ... ROK MIKLAVČIČ: Use of Carbohydrate-binding Proteins for Affinity Separation of Glycoproteins
- 72 ... ROK NAROBÉ: Exploiting Hydrogen Peroxide's Potential in Oxidative Iodination of Arenes
- 73 ... MOJCA ZALOKAR: Problems Related to Laboratory Breeding of Water Flea *Daphnia Magna*
- 74 ... EVA SREČNIK: Novel HPLC-UV Method for Simultaneous Determination of Fat-soluble Vitamins and Coenzyme Q10 in Medicines and Supplements
- 75 ... UROŠ ZAVRTANIK: Correlation between Binding Surfaces and the Thermodynamics of Camelid Antibody Fragments Binding to Antigens
- 76 ... GAJA ŠPES, JAKA ZUPANIČ: The Effect of Clinical *Escherichia coli* Strains on Recipient Ability in Conjugative Transfer
- 77 ... BLAŽ KOZJAN: Separation of Amino Acids by Various Chromatography Columns
- 78 ... JAKOB RUPERT: Structural Studies of ALS-associated Proteins
- 79 ... BOŽIDAR ČOBELJIČ: Synthesis and Characterization of Cd(II) Complexes with the Condensation Product of 2-quinolinecarboxaldehyde and Girard's T Reagent
- 80 ... ANDRAŽ OŠTREK: Fluoridooxidovanadates(V) with Small Nitrogen-Containing Cations
- 81 ... GREGOR ŠILC: Compost Water Extract (Compost Tea) as an Alternative Nutrient Solution for Vegetables Grown on Hydroponic System
- 82 ... HELENA BRODNIK ŽUGELJ: Synthesis of 8-Heteroarylquinolines via Sequential One-Pot Palladium-catalyzed Reaction
- 83 ... AGNIESZKA HAMERA: Density and Viscosity of Aqueous Solutions of Functionalized Quaternary Ammonium Surfactants
- 84 ... NIK RUS: Syntheses of Substituted 2H-pyran-2-ones with a Special Emphasis on Attempted Synthesis of Derivatives That Contain 2-fluoro-4-methoxyphenyl Group