

October 12, 2017

08:00-09:40	REGISTRATION	
09:40-10:00	COFFEE BREAK	
	Hall 1	
10:00-10:40	OPENING CEREMONY	
10:40-12:00	PLENARY SESSION - Chair: Zoran Zdravkovski Prof. Dr. Krijn P. de Jong “Nanoscale Effects in Catalysis for Fuels and Chemicals”	
	Hall 1	Hall 2
	Chair: Gianni Ciofani	Chair: Marina Stefova
12:00-12:40	I-001 Invited Speaker Mustafa Guzel “Novel Drug Discovery Approaches for Cancer Metabolism”	I-002 Invited Speaker Gulfeza Kardas “Efficient hydrogen evolution reaction catalysts and electrochemical testing techniques”
12:40-13:00	S-001 Sutopo Hadi "The in vitro Antimalaria Activity of Some Organotin(IV) nitrobenzoate compounds against Plasmodium falcifarum"	S-002 Hasan Kucukbay "Synthesis and catalytic activities of some new benzimidazolium salts in the presence of Pd(oAc) ₂ /base and copper nanoparticles in Sonogashira cross coupling reaction"

13:00-14:00	LUNCH	
	Hall 1	
14:00-15:00	PLENARY SESSION - Chair: Rawil Fakhrullin Prof. Dr. Andre Skirtach Stimuli responsive polyelectrolytes in polymeric capsules: principles and applications.	
	Hall 1	Hall 2
	Chair: Jane Bogdanov	Chair: Mustafa Güzel
15:00-15:40	I-003 Invited Speaker Fatih Sen "Choloroplast Based In-situ Biofuel Cells and Synthesis of Nanomaterials that can Increase Their Efficiency"	I-004 Invited Speaker Gianni Ciofani "Lipid-based hybrid nanovectors as theranostic tools"
15:40-16:00	S-003 Emre Baştürk "Preparation and thermal characterization of microencapsulated fatty alcohols as phase change materials with photocrosslinked polymer shell"	S-007 Dawid Zych "Synthesis and properties of ruthenium, osmium and iridium complexes bridged by new NCN-coordinating ligands based on pyrene structure"
16:00-16:20	S-004 Seyfullah Madakbaş "Electrospinning of poly(vinyl butyral)/polyaniline blend"	S-008 Aysu Yarman "MIP-Based Sensors for Enzymes"
16:20-16:40	S-005 Ersen Gokturk "Transition Metal Catalyzed Polymerization of Formaldehyde and Carbon Monoxide"	S-009 Goksu Ozcelikay "First MIP For The Recognition Of Butyrylcholine Esterase"

16:40-17:00	<p>S-006 Abdoulaye Diarisso "Towards new sensors based on conducting polymer nanocomposites for the detection of nitrite ions and compounds of biological interest"</p>	<p>S-010 Asabuwa Ngwabebhoh Fahanwi "A design optimization study of synthesized nanocrystalline cellulose: Characterization and surface modification for prospective applications"</p>
17:00-19:00	<p>POSTERS PRESENTATIONS - 1</p>	
P-001	<p>Determination of Indomethacin in Ethyl Cellulose Nanoparticles by High Performance Liquid Chromatography <u>Sevinc Kurbanoglu</u>, Ozgur Esim, Cetin Tas, Ayhan Savaser, Yalcin Ozkan, Sibel A. Ozkan</p>	
P-002	<p>Spectrophotometric zinc(II) based determination of quercetin in pharmaceutical formulations <u>Snezana Uskokovic Markovic</u>, Leposava Pavun, Andrija Ćirić, Marina Milenković</p>	
P-003	<p>Microwave enhanced wet digestion of soil with various acidic reagents: influence of the maximum temperature values selected on the metals and metalloids recoveries <u>Vibor Roje</u>, Hrvoje Kopseak, Ivan Kostelac, Hrvoje Rinkovec, Filip Anton Stipanović</p>	
P-004	<p>A novel hemicyanine based near-infrared fluorescent probe for rapid detection of bisulfite <u>Mustafa Özyürek</u>, Mehmet Baykara, Ahmet Emin Yeşil, Mehmet Altun, Kubilay Guclu</p>	
P-005	<p>Characterization of Cerium Nanoparticles in Solution Using Single Particle Inductively Coupled Plasma Mass Spectrometry (SP-ICP-MS) <u>Birsen Ozturk</u>, Gözde Mediha Kamer, Dilek Ozyurt</p>	
P-006	<p>Determination of Cr (VI) by Combined Solid-Phase Extraction/ Reflectance Spectroscopy <u>Dilek Ozyurt</u>, Reva Bayraktar, Hayati Filik, Birsen Ozturk</p>	
P-007	<p>Investigation of Biochemical Processes in Single Cell Using Surface-Enhanced Raman Scattering <u>Deniz Yaşar Öztaş</u>, Mine Altunbek, Mustafa Culha</p>	
P-008	<p>Determination of Polyphenolic Composition of Cultivated Sweet Fennel from R. Macedonia <u>Menče Najdoska-Bogdanov</u>, Jasmina Petreska Stanoeva, Jane Bogdanov, Marina Stefova</p>	
P-009	<p>Enantiomeric Separation of Chiral Antifungal Drugs with Using Polar Organic Phase by HPLC <u>Bounoua Nadia Nadia</u>, Khaled Sekkoum Khaled, Mehmet Gumustas Mehmet, Nasser Bel Boukhari Nasser, Abdelkrim</p>	

	Cheriti Abdelkrim, Sibel A. Ozkan Sibel A, Bezhan Chankvetadze Bezhan
P-011	Development of UV-VIS and first derivative spectroscopy ratio methods for estimation of the Bradford Protein Assay <u>Pece Sherovski</u>, Goran Stojković, Natasha Ristovska
P-012	Luteinizing Hormone Detection with Poly (Methyl Methacrylate) Microchip Based On Surface-Enhanced Raman Spectroscopy <u>Belma Gjergjizi</u>, Necdet Sağlam, Uğur Tamer
P-013	Pesticide biosensors <u>Hatice Palüzar</u>
P-014	Trace and major elements in waters from selected Zagreb city public fountains <u>Vibor Roje</u>, Jovan Dukić, Petar Šutalo
P-015	Heavy metals in urban soils in the town of Zagreb (Croatia) <u>Vibor Roje</u>, Ivan Kostelac, Petar Šutalo, Darko Bakšić, Ivan Perković, Nikola Pernar
P-016	Preparation of activated carbons from Stipa tenacissima leaves <u>Nesrine Madani</u>, Naima Bouchenafa Saib, Ouiza Cherifi
P-017	Electrochemical Caffeine Detection At Gold Nanoparticles-Glassy Carbon Paste Composite Electrode <u>Tuğba Ören</u>, Ülkü Anık
P-018	Development of Hemoglobin Based Electrochemical Glucose Platform Yudum Tepeli, <u>Tuğba Ören</u>, Edip Güvenç Çekiç, Emine Sonay Elgin, Ülkü Anık
P-019	Phytochemical Analysis and Biochemical Analysis of Washingtonia filifera Fruits and Seeds <u>Hatice Uluçınar</u>
P-020	Voltammetric Determination Of Dopamine with a Molecularly Imprinted Poly (4-Aminothiophenol) Gold Electrode <u>Nihal Ermiş</u>, Nihat Tinkılıç
P-021	Selective Determination of Amoxicillin with Molecularly Imprinted Gold Electrode <u>Nihal Ermiş</u>, Nihat Tinkılıç
P-022	Fatty acids composition of selected Macedonian goji berries determined by GC-FID <u>Violeta Ivanova Petropulos</u>, Biljana Balabanova, Tiberiu Frentiu, Michaela Ponta, Eniko Covaci, Marin Senila

P-023	Influence of Peptide Modified Gold Nanoparticles on Prostate Cancer <u>Merve Ercan</u>, Melike Sarıçam, Mustafa Çulha
P-024	Phytochemical and Biochemical Analysis of Washingtonia filifera Fruits and Seeds <u>Hatice Uluçınar</u>, Mustafa Gazi, Mehmet İlktaç, Müberra Koşar
P-025	Development of Polymer Based Fluorescence Sensor for Arsenic (II) Determination <u>Ece Kök Yetimoğlu</u>, Soner Çubuk, Aykut Kaplan, Memet Vezir Kahraman
P-037	Preparation Of Polyethersulfone/ Poly(Trimethoxysilyl)Propyl Methacrylate) Composites <u>Burcu Oktay</u>, Emre Baştürk, Memet Vezir Kahraman, Nilhan Kayaman Apohan
P-038	A Fluorimetric bisphenol-A sensor for food cans <u>Memet Vezir Kahraman</u>, Neşe Taşci, Ece Kök Yetimoğlu, Soner Çubuk
P-039	Preparation of High Performance Polyimide Nanofiber Reinforced Nanocomposite Electrolytes for Lithium Ion Batteries <u>Emre Aytan</u>, Nilhan Kayaman Apohan, Mustafa Hulusi Uğur
P-040	PREPARATION of NAPHTHALENE-BASED POLYIMIDE ELECTROLYTES for LITHIUM-ION BATTERY APPLICATIONS <u>Nilhan Kayaman Apohan</u>, Deniz Toker Öztürk, Mustafa Hulusi Uğur, Atilla Güngör

October 13, 2017		
08:00-09:00	REGISTRATION	
	Hall 1	
09:00-10:00	PLENARY SESSION - Chair: Yuri Stetsyshyn Prof. Dr. Stanislaw Slomkowski “Synthesis and fabrication of nanoparticles of various shapes, surface chemical structure and morphology.”	
	Hall 1	Hall 2
	Chair: Giuseppe Lazzara	Chair: Mehmet Kahraman
10:00-10:40	I-005 Invited Speaker	I-006 Invited Speaker

	Sibel Aysil Ozkan “The Role and The Place of Carbon Based Electrochemical Nanosensors on Pharmaceutical and Biomedical Assay”	Alexander Zacharia “Electrothermal atomic absorption spectrophotometry with filter-furnace atomizer as effective tool in microelementology.”
10:40-11:00	S-011 Nurgul Karadas Bakirhan "Electrochemical behavior of an oral progestin dienogest and its sensitive analysis from pharmaceutical dosage form"	S-013 Mehmet Yaman "Determination of inorganic and total arsenic in rice consumed in Turkey using ICP-MS"
11:00-11:20	S-012 Mehmet Gumustas "Validation of a HILIC Method for the Analysis of 5-Fluorouracil Loaded Lipid Nanoparticles and Application to In Vitro and Ex Vivo Tests"	S-014 Mehmet Gokhan Caglayan "Mercury sensing by fluorescent nanoclusters"
11:20-11:40	COFFEE BREAK	
	Chair: Radmila Tomovska	Chair: Valentin Mirceski
11:40-12:00	S-015 Sevinc Kurbanoglu "Electrochemical nanobiosensor for the detection of catechol"	I-007 Invited Speaker Giuseppe Lazzara “Halloysite nanotubes based materials for conservation of Cultural Heritage”
12:00-12:20	S-016 Leyla Karadurmus "Electrochemical Analysis of Anticancer Daunorubicin Using Multiwalled Carbon Nanotube Modified Edge Plane Carbon Electrode"	
12:20-12:40	S-017 Ljupco Pejov "Theoretical anharmonic vibrational spectroscopy of indole and the noncovalently-bonded indole-water dimer in the ground and excited electronic states with hybrid time-dependent DFT - quantum nuclei methodology"	S-019 Hilal Torul "Application of Paper Based Biosensors in Whole Blood Sample"
12:40-13:00	S-018 Mehmet Yaman "Use of biowastes modified with citric and H2SO4 acids: Potential for biosorption of Pb and Ni"	S-020 Mehmet Kahraman "Label-free SERS-based Biosensing on Silver Nanodomes"
13:00-14:00	LUNCH	
	Hall 1	

14:00-15:00	PLENARY SESSION - Chair: Gligor Jovanovski Prof. Dr. Engin Umut Akkaya “Towards information processing therapeutic agents”	
	Hall 1	Hall 2
	Chair: Fatih Şen	Chair: Vladimir Ivanovski
15:00-15:40	I-008 Invited Speaker Yurij Stetsyshyn “Temperature-responsive grafted polymer brushes with different mechanisms of action: molecular design, fabrication and application.”	I-009 Invited Speaker Rawil Fakhrullin “Recent advances in cell surface engineering”
15:40-16:00	S-021 Tayyibe Beyza Yücel "Chemical Composition and Antimicrobial Activity of the Essential Oil of <i>Grimmia ovalis</i> (Hedw.) Lindb. from Turkey"	S-025 Didem Tuncay "Wearable Enzymatic Biosensors"
16:00-16:20	S-022 Songul Eglence "Synthesis And Characterization Of Cu(II) Complexes Based On Thiosemicarbazone Ligands"	S-026 Hulya Yagar "Development of Biosensor System based on Electrochemical Impedance for Determination of Luteinizing Hormone"
16:20-16:40	S-023 Muhammad Zahoor "Isolation of bioactive compounds from <i>Bergenia ciliata</i> rhizome and their biological activities"	S-027 Tugba Oren "A Novel Perylene Diimide Modified Carbon Paste Electrode As A Promising Tool For The Electrochemical Dopamine Detection"
16:40-17:00	S-024 Jasmina Petreska Stanoeva "Polyphenolic content of bilberry and bog bilberry fruits and leaves from Macedonia"	S-028 Katarina Josifovska "Single-drop microextraction for the GC–MS analysis of endocrine disruptors in water samples"
17:00-19:00	POSTERS PRESENTATIONS - 2	
	P-026	New 4-(4-substituted-1 <i>H</i> -1,2,3-triazol-1-yl)benzaldehyde in synthesis of 4'-phenyl-2,2';6',2"-terpyridine derivatives <u>Zuzanna Małjurek</u>, Dawid Zych, Agata Frankowska, Dżastin Zimny, Daniel Matuszczyk, Stanisław Krompiec
	P-027	Synthesis and Characterization of Metallophthalocyanines Containing Piperazine Unit <u>Gamze Özgül Artuç</u>, Belkız Bilgin Eran, Mustafa Bulut
	P-028	Syntehis and in vitro antioxidant activity of some benzotiazole amino acid conjugates

	Deniz Üzeroğlu Payaz, <u>F. Zehra Küçükbay</u>, Hasan Küçükbay
P-029	Synthesis and in vitro antioxidant activity of some amino acids / dipeptide conjugates of coumarin derivatives Özgül İlgen, F. Zehra Küçükbay, <u>Hasan Küçükbay</u>
P-030	Structural and spectroscopic characterization of a thiosemicarbazidatonickel(II) complex <u>Songül Eğlence</u>, Musa Şahin, Bahri Ülküseven
P-031	Nitro compounds mono- and diesters of alkenylsuccinic acids as the component of conservation liquids Vagif Maharram Abbasov, Maharram Ali Mammadyarov, Fatmakhanym Kheybar Aliyeva, <u>Fidan Akif Mammadova</u>, Leyli Adil Ibrahimli
P-032	Synthesis, characterization and thermal properties of a novel thiourea derivative and it's metal complexes <u>Esra Kayhan</u>, Fatih Mehmet Emen, Göktürk Avşar, Tuncay Yeşilkaynak
P-033	Synthesis of carbamathioylbenzamide ligand derivatives and their Ni(II) and Cu(II) complexes; Investigation of catalytic properties <u>Esra Kayhan</u>, Göktürk Avşar, Derya Yüksel, Fatih Mehmet Emen, Tuncay Yeşilkaynak
P-034	Synthesis, Characterization and Biological Activity of New Transition Metal Non-steroidal Carboxylate Complexes and Nitrogen Based Ligands. <u>Hijazi Issa Abu Ali</u>, Abdul Latif Rateb Abu Hijleh, Mohanad Doud Darawsheh, Suhad Nizar Omer, Hadeel Hassan Fares, Bahaa Hamdi Jabali, Asia Mohammad Shalash, Salam Awad Maloul, Shayma Kamal Kamel, Amani Mustafa Abu Shamma, Emilia Joseph Rappocciolo, Mutaz Ahmad Akawi
P-035	Regioselective Synthesis of Cyclopentenone Boronic Acid Derivatives Through Copper(I)-Mediated Cyclization <u>Ghassan Awad Albarghouti</u>
P-036	Enhanced Properties of Gelatin Scaffolds Prepared with Bovine Serum Albumin Dispersed Carbon Nanotubes <u>Deniz Uzunoglu</u>, Mustafa Culha
P-041	Synthesis, Characterization and Thermal Properties of Polysilicon Acetals via Silicon Acetal Metathesis Polymerization (SAMP) <u>Ersen Gokturk</u>, Ertugrul Sahmetlioglu, Stephen Albert Miller

P-042	Biodegradable polyurethane/graphene oxide composites for tissue engineering <u>Aleksandra Ivanoska Dacikj</u>, Gordana Bogoeva Gaceva, Andres Krumme, Chiara Scalera
P-043	Synthesis, characterization and antimicrobial activity of vanadium substituted molybdophosphoric acid and their zeolites and activated charcoal based composites <u>Snezana Uskokovic Markovic</u>, Danica Bajuk Bogdanović, Marina Milenković, Ivanka Holclajtner Antunović
P-044	Infrared and Raman spectra of magnesium ammonium phosphate hexahydrate (struvite) and its isomorphous analogues. X. Spectra of protiated and partially deuterated cubic struvite analogue magnesium caesium arsenate hexahydrate <u>Viktor Stefov</u>, Violeta Koleva, Metodija Najdoski, Adnan Cahil, Zuldjevat Abdija
P-045	IR and Raman investigation of a new highly magnetic magnetite hydrogel with excellent sorption capacity Elizaveta Y. Anastasova, <u>Vladimir Ivanovski</u>, Suheir Omar, Andrey S. Drozdov, Alexandr V. Vinogradov, Vladimir V. Vinogradov
P-046	A highly tunable one-pot approach to core-shell nanoplasmonics: Relationship between structure, morphology and optical properties. <u>Biljana Pejova</u>, Simona Premcheska
P-047	Integrating Project management and use of contemporary funds and equipment in the educational process <u>Mirjana Ristevska</u>
P-048	Teaching solubility at the high-school level <u>Zuljeta Fetaovska</u>, Marina Stojanovska, Bojan Soptrajanov
P-049	Rising motivation for learning chemistry by participation in national and international competitions <u>Marina Stefova</u>, Miha Bukleski, Vladimir Petruševski
P-050	Biodegradability of lead dioxide in aqueous organic acid solutions <u>Salima Bendebane</u>, Souad Djerad, Lakhder Tifouti
P-051	Sorption of methylene blue by luffa cylindrical, optimization and modeling using the response surface methodology <u>Farida Bendebane</u>, Salima Bendebane, Fadhel Ismail
P-052	Assessment and Comparative Study of Models Based on Experimentally Derived Descriptors Used for Estimation of the

		Octane Number of Gasoline <u>Tatjana Ilievska</u>, Jane Bogdanov
	P-053	Electrochemical Synthesis and Characterization of Silver Nanoparticles with Advanced Pulse Voltammetric Techniques <u>Valentin Mirceski</u>, Leon Stojanov
	P-054	Screening and identification of chlorpyrifos in groundwater situated under agricultural area <u>Biljana Kovacevik</u>, Zoran Zdravkovski, Sasa Mitrev
19:00-21:00	CONFERENCE DINNER	

October 14, 2017		
08:00-09:00	REGISTRATION	
	Hall 1	
09:00-10:00	PLENARY SESSION - Chair: Serdar Durdađi Prof. Dr. Gligor Jovanovski “Vibrational spectroscopy vs. X-ray diffraction in mineral identification – advantages and imperfections.”	
	Hall 1	Hall 2
	Chair: Giuseppe Lazzara	Chair: Mehmet Yaman
10:00-10:40	I-010 Invited Speaker Radmila Tomovska “Polymer-polymer and polymer-graphene nanostructured particles”	I-011 Invited Speaker Serdar Durdagi “Successful Examples of Molecular Modeling-Experiment Integration on Novel Drug Designing Studies.”

10:40-11:00	<p>S-029 Simona Gavrilas "Physicochemical methods used to determine residual pectin and calcium from cotton fabrics after pectinolytic treatment"</p>	<p>S-032 Mohamed Lamine Sall "Usefulness of a new electrochemical method in the removal of hexavalent chromium by a polypyrrole film doped with 4-amino-3-hydroxynaphthalene-1-sulfonic acid. Application to the natural waters of Senegal"</p>
11:00-11:20	<p>S-030 Syeda Kiran Shahzadi "Cloning, expression and N-terminal Pegylation of human interferon alpha-2b analogs and their cytotoxic evaluation against cancer cell lines"</p>	<p>S-033 Krešimir Molčanov "π-stacking of semiquinone radicals determines magnetic and electrical properties of crystals"</p>
11:20-11:40	<p>S-031 Biljana Balabanova "Lithological distribution of rare earth elements in soil and air in the Bregalnica river basin, Republic of Macedonia"</p>	<p>S-034 Tokhir Kh Rakhimov "Modify of the active nanoparticles' dimension boundaries during their recovery"</p>
12:00-12:20	<p>CLOSING REMARKS & DISCUSSION</p>	