

ICCBIKG 2021

Conference Programme

Tuesday 26 October 2021

08:00 - 09:00	Registration of the Participants
09:00 - 10:00 (Main hall)	Opening Ceremony - Welcome speech: Prof. Zoran Marković , Director of the Institute for Information Technologies, Conference Chair, International Organizing Committee. Prof. Ivica Radović , State Secretary, Ministry of Education, Science and Technological Development, Serbia. Nikola Dašić , Mayor of Kragujevac City. Prof. Nenad Filipović , Rector of the University of Kragujevac, Conference Chair, International Scientific Committee. Prof. Marija Stanić , The Dean of the Faculty of Science, University of Kragujevac. Prof. Dobrica Milovanović , The Dean of the Faculty of Engineering, University of Kragujevac. Chair: Nevena Veselinović
10:00 - 10:30 (Main hall)	Invited speaker: Prof. Ivan Gutman , Full Member of the Serbian Academy of Sciences and Arts, Serbia. Topic: Topological Indices – Why and How Chair: Dejan Milenković
10:30 - 11:00 (Main hall)	Invited speaker: Prof. Miloš Kojić , Full Member of the Serbian Academy of Sciences and Arts, Serbia. Topic: Membrane finite element for modeling heart wall Chair: Vladimir Simić
11:00 - 11:30	Coffee Break
Session CCMD.1A: 11:30 - 12:45 (Room 1) Chemoinformatics, chemogenomics and molecular design (Oral session) Chair: Dušica M. Simijonović	
11:30 - 11:55	Section lecturer: Svetlana Marković , Full Professor, Faculty of Science, University of Kragujevac, Serbia. Topic: Chlorogenic acid – application of contemporary density functionals to a single molecule

CCMD.1A.1– Applicability of Bray-Liebhafsky reaction for chemical computing– Čupic Z, Ivanović Šašić A, Maćešić S, Anić S, Kolar-Anić Lj.

CCMD.1A.2– Novel ligands of human cyp7 enzymes– possible modulators of cholesterol blood level: Computer simulation studies– *Dzichenka Y, Shapira M, Usanov S, Savić M, Grbović Lj, Ajduković J, Jovanović-Šanta S.*

CCMD.1A.3– Assessing structural similarity of compounds with physiological response: comparative study on similarity metrics- *Redžepović I, Furtula B.*

Session BE.1A: 11:30 - 12:45 (Room 2)

Biomedical engineering (Oral session)- Part I

Chair: Vladimir Simić

BE.1A.1– UV-photolithography and PDMS replica molding for fabrication of microfluidic chip system– *Milivojević N, Caballero D, Carvalho M, Živanović M, Filipović N, Reis R, Oliveira J.*

BE.1A.2– The simulation modelling methods for organization of the oncology patients routing– *Zuenkova J, Kicha D.*

BE.1A.3– Blood flow in coronar artery bifurcation calculated by turbulent finite element model– *Nikolić A, Topalović M, Blagojević M, Simić V.*

BE.1A.4– Huxley surrogate model for twitch muscle contraction– *Milićević B, Ivanović M, Stojanović B, Filipović N.*

BE.1A.5– Method for software tracking and analysis of player’s motion during a football match and general parameters for FC Red Star players during the qualification rounds for UEFA Europe league– *Radaković R, Vulović R, Peulić A, Nikolić D, Filipović N.*

13:00 - 14:00	Buffet Lunch
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14:00 - 14:30 (Room 1)	<p>Invited speaker: Claudio Santi, Full Professor, Department of Pharmaceutical Sciences, University of Perugia, Italy. Topic: Promising inhibitors targeting Mpro: selenium based compounds with anti-SARS-CoV-2 activity Chair: Biljana Šmit</p>
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14:00 - 14:30 (Room 2)	<p>Invited speaker: Zlatan Car, Full professor, Department of Automation and Electronics, Faculty of Engineering, University of Rijeka, Croatia. Topic: Application of artificial intelligence-based image analysis in bioinformatics Chair: Zoran Marković</p>
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Session CCMD.1B: 14:30-15:30 (Room 1)

Chemoinformatics, chemogenomics and molecular design (Poster session)

Chair: Darko Ašanin

14:30 - 14:55	<p>Section lecturer: Dušan Dimić, Assistant Professor, Faculty of Physical Chemistry, Serbia, Topic: Molecular docking and molecular dynamics studies of the interaction between coumarin-neurotransmitter derivatives and carbonic anhydrase IX</p>
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CCMD.1B.1–Estimation of drug-like properties of coumarin derivatives by chemo/bioinformatics methods– *Bešlo D, Molnar M, Agić D, Roca S, Lučić B.*

CCMD.1B.2– Spectrophotometric investigation of cobalt bromide complex formation in aqueous calcium nitrate-ammonium nitrite melts at T = 328.15 K. Influence of water content– *Vraneš M, Panić J, Papović S, Borović T, Tot A, Baganj N, Gadžurić S.*

CCMD.1B.3– Thermodynamics of the antioxidant activity of humulones and other antioxidants from beer– a molecular modeling approach– *Cvijetić I, Bigović M, Ristivojević P, Vitorović-Todorović M, Zloh M, Milojković-Opsenica D.*

CCMD.1B.4– Antioxidative potency and radical scavenging activity of selected coumarin-hybrids– *Antonijević M, Milanović Ž, Simijonović D, Marković Z, Bogosavljević-Bošković S.*

CCMD.1B.5– Molecular modeling of 5-[(amidobenzyl)oxy]-nicotinamides as sirtuin 2 inhibitors using alignment-(in)dependent 3d-qsar analysis and molecular docking– *Doković N, Postolović A, Nikolić K.*

CCMD.1B.6– Disclosing the true nature of hesperetin’s antigenotoxicity *in vivo* within the drosophila melanogaster somatic cells through the extensive genotoxic and structure-based studies– *Matić S, Stanić S, Tomašević N, Ragno R, Mladenović M.*

CCMD.1B.7– Thermodynamically Investigations of Free Radical Scavenging Potency of 1,2,4-Trihydroxythioxanthone– *Jeremić S, Dorović Jovanović J, Stanojević Pirković M, Marković Z.*

Session BE.1B: 14:30-16:00 (Room 2)

Biomedical engineering (Oral session) - Part II

Chair: Aleksandar Nikolić

14:30 - 14:55	Section lecturer: Miljan Milošević , Senior Research Associate, Institute for Information Technologies, Serbia. Topic: Computational modelling of intraocular drug transport
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BE.1B.1– Use of convolutional neural networks for x-ray image orientation determination– *Šegota S.B, Lysdahlggaard S, Hess S, Antulov R, Weber Kusk M.*

BE.1B.2– Addition of remeshing technique to the stent implantation software and its effect on the simulation outcome– *Đukić T, Saveljić I, Filipović N.*

BE.1B.3– Computational model for heat transfer coupled with fluid flow within peritoneal cavity– *Simić V, Domitrović J, Milošević M, Milićević B, Holder A, Kojić M.*

BE.1B.4– A meta-heuristic multi-objective approach to the model selection of convolution neural networks for urinary bladder cancer diagnosis– *Lorencin I, Smolić K, Markić D, Španjol J.*

16:00 - 16:30	Coffee Break
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16:30 - 17:00 (Room 1)	Invited speaker: Carlos Silva , Associate Professor, Faculty of Science, University of Vigo, Spain Topic: Playing in the Frontiers of the Woodward-Hoffmann Rules Chair: Nenad Janković
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16:30 - 17:00 (Room 2)	Invited speaker: Themis Exarchos , Assistant Professor, Department of Informatics, Ionian University, Greece. Topic: Development of federated lymphoma classification models across multiple harmonized cohorts of patients with primary Sjögren's Syndrome Chair: Dalibor Nikolić
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Session BBMC.1A: 17:00-18:00 (Room 1) Bioorganic, bioinorganic, and medicinal chemistry (Oral + Poster session) Chair: Marko Živanović
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BBMC.1A.1– Detailed GC-MS analyses of the *Myrtus communis* L., essential oil and the antifungal activity assessment– *Filipović S, Vasić T, Radulović N, Jevremović D, Stanojević I.– oral*

BBMC.1A.2- The autolysis products of glucosinolates in *Lepidium campestre* (L.) W. T. Aiton (Brassicaceae)– *Gusinac A, Dekić M.*

BBMC.1A.3– Substitution reactions of the monofunctional gold(III) complex and Sulphur-donor biologically important ligands– *Kesić A, Radisavljević S, Petrović B.*

BBMC.1A.4– Synthesis and biological activity of the new pincer type ruthenium(III) complex– *Rilak Simović A, Lazić D, Međedović M, Čočić D, Petrović B.*

BBMC.1A.5– Cytotoxicity of cationic dinuclear platinum(II) complexes in an experimental model of mouse colon cancer– *Franich A, Dimitrijević Stojanović M, Rajković S, Jovanović M, Jurisević M, Gajović N, Arsenijević N, Jovanović I, Živković M.*

BBMC.1A.6– Studies of substitution reactions with important biomolecules and antimicrobial activity of novel dinuclear Zn(II)-L-Cu(II) complexes– *Šmit B, Halilagić A, Selimović E, Katanić Stanković J, Srećković N, Soldatović T.*

BBMC.1A.7– Synthesis and characterization of platinum(II/IV) complexes with 2-amino-5-methyl-4-phenyl thiazole– *Stojković D, Jevtić V, Petrović Đ, Jovičić Milić S, Vuković N, Vukić M, Stojanović B.*

BBMC.1A.8– The molecular basis of drug-plasma protein interaction for cns active compounds– *Obradović D, Radan M, Popović-Nikolić M, Oljačić S, Nikolić K.*

BBMC.1A.9– Platinum(IV) complex and its corresponding ligand suppress cell motility and promote expression of frizzled-7 receptor in colorectal cancer cells– *Šeklić D, Jovanović M, Milivojević N, Živanović M.*

BBMC.1A.10– Chemico-biological interaction of selected tetrahydropyrimidines– *Milović E, Janković N, Petronijević J, Joksimović N.*

BBMC.1A.11– Influence of quercetin on the binding of tigeicycline to human serum albumin– *Mrkalić E, Čendić Serafinović M, Jelić R, Stojanović S, Sovrlić M.*

Session BE.1C: 17:00 - 17:45 (Room 2) Biomedical engineering (Poster session) Chair: Bogdan Milićević

BE.1C.1– Blood Flow Simulation Using SPH Method in Ls-Dyna, Analysis of Advantages and Disadvantages– *Topalović M, Nikolić A, Živković M.*

BE.1C.2– Electrospun gelatin nanofibrous scaffolds– applications in tissue engineering– *Virijević K, Grujić J, Jovanović M, Kastratović N, Mirić A, Nikolić D, Živanović M, Filipović N.*

BE.1C.3– Computational vs. *in vitro* approach to predict aerodynamic performance of dry powders for inhalation– *Ignjatović J, Šušteršič T, Cvijić S, Bodić A, Đuriš J, Ibrić S, Filipović N.*

BE.1C.4– Effect of crosslinker amount on hybrid hydrogels swelling and drug release– *Marković M, Panić V, Tadić J, Pjanović R.*

BE.1C.5– Numerical analysis of human spine during whole body vibration– *Saveljić I, Mačužić Saveljić S, Nikolić D, Filipović N.*

BE.1C.6– Search procedure and data extraction for meta-analysis in biomedical research– *Obradović J, Jurišić V.*

19:30 - 00:00	Gala Dinner
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Wednesday 27 October 2021

08:30 - 09:00 (Main hall)	Invited speaker: Nenad M. Kostić , Retired Professor, Iowa State University, USA. Topic: How to Compose a Research Article That Editor Will Accept and Readers Will Cite Chair: Zoran Marković
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09:00 - 09:30 (Room 1)	Invited speaker: Biljana Petrović , Full Professor, Department of Chemistry, Faculty of Science, University of Kragujevac, Serbia. Topic: Transition metal ion complexes as potential antitumor agents Chair: Ana Kesić
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09:00 - 09:30 (Room 2)	Invited speaker: Enver Karahmet , Associate Professor, Faculty of Agriculture and Food Sciences, University of Sarajevo, Bosnia and Herzegovina. Topic: Energy balance of milk pasteurization process Chair: Gorica Cvijanović
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Session BBMC.2A: 09:30-11:00 (Room 1)

Bioorganic, bioinorganic, and medicinal chemistry (Poster session)- Part I

Chair: Edina Avdović

09:30 - 09:55	Section lecturer: Goran N. Kaluđerović , Full Professor, University of Applied Sciences Merseburg, Germany. Topic: Mesoporous silica as a vehicle for Organotin(IV) compounds
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BBMC.2A.1– Phyto-mediated synthesis of silver nanoparticles using aqueous extract of *Buglossoides purpureocaerulea* (Boraginaceae) and their bioactivity– *Katanić Stanković J, Srećković N, Mihailović V.*

BBMC.2A.2– Antibiofilm activity of selected plant species– *Terzić J, Stanković M, Olgica D. Stefanović*

BBMC.2A.3– Synthesis and biological evaluation of some new sulfonamide derivatives– *Muškinja J, Katanić Stanković J, Ratković Z.*

BBMC.2A.4– Gallic acid hydrazones: *in silico* inhibition of thioredoxin reductase– *Branković J, Milovanović V, Petrović Z, Petrović V.*

BBMC.2A.5– Cyclooxygenase-2 as *in silico* target of Phenolic Hydrazone-type– *Branković J, Milovanović V, Petrović V.*

BBMC.2A.6– A novel azo-azomethine dye: Synthesis, dyeing and antioxidant properties– *Tadić J, Lađarević J, Marković M, Ivanovska A, Kostić M, Mijin D.*

BBMC.2A.7– QSRR modeling of liquid chromatography separation of ziprasidone compounds– *Čarapić M, Nikolić K, Agbaba D.*

BBMC.2A.8– Synthesis and characterization of palladium (II)–2-(azidomethyl)cyclopropane-1,1-dicarboxylic acid complex– *Kostić M, Divac V, Mangelinckx S.*

BBMC.2A.9– Effect of plant extracts on bacterial growth and potential mechanism of action–*Stanković M, Pribojac J, Terzić J, Stefanović O.*

BBMC.2A.10– DNA and BSA interactions of copper(II) and zinc(II) complexes with antifungal agent fluconazole–*Stevanović N, Stanković M, Andrejević T, Ašanin D, Stanojević I, Glišić B.*

BBMC.2A.11– DNA/BSA binding study of dinuclear gold(III) complexes with aromatic nitrogen-containing heterocycles as bridging ligands–*Andrejević T, Ašanin D, Savić N, Stevanović N, Djuran M, Glišić B.*

BBMC.2A.12– In silico prediction of pharmacokinetic properties and druglikeness of novel thiourea derivatives of naproxen–*Nedeljković N, Dobričić V, Mijajlović M, Radić G, Nikolić M, Stanković A, Vujić Z.*

Session AST.2A: 09:30-10:15 (Room 2)

Applied sciences and technologies (Poster session)

Chair: Gorica Cvijanović

AST.2A.1– Quantification of Essential Elements in *Papaver Rhoeas* L. and *Papaver Somniferum*–*Uđilanović M, Vasiljević S, Šimšić Z.*

AST.2A.2– Effect of humic and fulvic acids on microbial growth–*Radulović M, Mitrovski S.*

AST.2A.3– HPLC analysis of phenols of Slovenian red wines: Cabernet Sauvignon and Merlot–*Šaćirović S, Čirić A, Antić M, Marković Z.*

AST.2A.4– Possibility of application pulsating electromagnetic field in a safer soybean production–*Cvijanović G, Bajagić M, Đukić V, Đurić N.*

AST.2A.5- Essential oil analysis of the *Micromeria juliana* (L.) Benth., from Luštica, Montenegro–*Filipović S, Radulović N.*

AST.2A.6- Potentially toxic elements in lowland Great Morava River – bioindication with bleak (*Alburnus alburnus*)–*Milošković A, Kojadinović N, Radenković M, Đuretanović S, Veličković T, Nikolić M, Simić V.*

AST.2A.7- Improving production efficiency in the food production sector–*Veselinović N, Nikolić J.*

11:00 - 11:30	Coffee Break
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Session BBMC.2B: 11:30-13:00 (Room 1)

Bioorganic, bioinorganic, and medicinal chemistry (Poster session)- Part II

Chair: Miroslav Živić

11:30 - 11:55	Section lecturer: Ralph Puchta , Assistant Professor, Department of Chemistry and Pharmacy, Friedrich-Alexander University, Erlangen, Nuremberg. Topic: Computational Supramolecular Chemistry investigated by pupils and undergraduate students
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BBMC.2B.1– Phenolic content and potential Application of *Lysmachia vulgaris* L. aerial part and root extracts–*Srečković N, Katanić Stanković J, Mihailović V.*

BBMC.2B.2– Exploring the potential of α -arbutin as the inhibitor of neurodegenerative disorder–*Ristivojević P, Cvijetić I, Krstić-Ristivojević M, Milojković-Opsenica D.*

BBMC.2B.3– Nucleophilic substitution reactions of caffeine-derived Pt(II) and Pd(II) complexes with important bio-molecules–*Jovanović Stević S, Bogojeski J, Caković A, Petrović B.*

BBMC.2B.4– Influence of vanadium on the growth and metabolism of coprinellus truncorum fungal mycelium– Žižić M, Živić M, Atlagić K, Karaman M, Zakrzewska J.

BBMC.2B.5– 17-substituted steroidal tetrazoles - novel ligands for human steroid-converting cyp enzymes– Jovanović Šanta S, Oklješa A, Sachanka A, Dzichenka Y, Usanov S.

BBMC.2B.6– Binding of 17-substituted 16-nitrile 16,17 secoestrane compounds to estrogen receptors - in vitro and in silico study– Jovanović Šanta S, Isenović E, Petrović J, Dzichenka Y.

BBMC.2B.7– The Effects of Selenite on Filamentous Fungi Lipid Droplets Monitored in Vivo Label Free Using Advanced Nonlinear Microscopy Technique– Pajić T, Todorović N, Stefanović D, Rabasović M, Krmpot A, Živić M.

BBMC.2B.8– The Influence of Selenite on Filamentous Fungi Hypha Morphometry Parameters– Pajić T, Todorović N, Stefanović D, Rabasović M, Krmpot A, Živić M.

BBMC.2B.9– Antimicrobial activity of 3-(1-(3-hydroxyphenyl)amino)ethylidene)chroman-2,4-dione and its corresponding palladium(II) complex– Avdović E, Milanović Ž, Radulović M, Dimić D.

BBMC.2B.10– Design, Synthesis and pharmacological evaluation of novel N-{4-[2-(4-Arylpiperazin-1-yl)-ethyl]-phenyl}-arylamides– Andrić D, Dukić-Stefanović S, Penjišević J, Jevtić I, Šukalović V, Suručić R, Kostić-Rajačić S.

13:00 - 14:00	Buffet Lunch
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14:00 - 14:30 (Room 1)	Invited speaker: Dragoslav Nikezić , Full Professor, Faculty of Science, University of Kragujevac and State University of Novi Pazar, Serbia Topic: Computational dosimetry- international comparison of different simulational software within EURADOS organization Chair: Tatjana Miladinović
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Session CCMD.2A: 14:30-15:30 (Room 1) Chemoinformatics, chemogenomics and molecular design (Poster session) Chair: Dejan Milenković

CCMD.2A.1– The exploration of CYP17A1 ligand space by the qsar model–Boboriko N, Liying H, Dzichenka Y.

CCMD.2A.2– Direct scavenging activity of 4,7-dihydroxycoumarin derivative towards series of chloromethylperoxy radicals– Milanović Ž, Avdović E, Antonijević M, Marković Z.

CCMD.2A.3– Cytotoxic activity and molecular docking study of 4-substituted flavylum salt – Milenković D, Živanović M, Dekić M, Stanojević Pirković M, Đorović Jovanović J.

CCMD.2A.4– Molecular docking of some cyclohexadiene derivatives– Đorović Jovanović J, Dimić D, Stanojević Pirković M, Jeremić S, Milenković D.

CCMD.2A.5– Inhibitory effect of coumarin benzoylhydrazones on MCL-1 protein– Simijonović D, Antonijević M, Avdović E, Petrović Z, Marković Z.

CCMD.2A.6– Spectroscopic and quantum-chemical investigation of testosterone Propionate, a commonly misused anabolic steroid– Rističević N, Dimić D, Došić M, Mišić S, Gavran A, Đorović Jovanović J, Dimitrić Marković J.

CCMD.2A.7– Understanding effect of laser speed and formulation factors on printability and characteristics of SLS Irbesartan tablets- application of decision tree model– Madžarević M, Ibrić S.

CCMD.2A.8– Description of chitosane grafted acrylic acid based hydrogel swelling kinetics and their use in new designed system– Erceg T, Brakus G, Kojić D, Vukić N, Teofilović V, Tanasić J, Ristić I.

Session BAB.2A: 14:30-16:00 (Room 2)

Bioinformatics and applied biology (Poster session)

Chair: Darko Ašanin

14:30 - 14:55	<p>Section lecturer:</p> <p>Ivana Radojević, Assistant Professor, Faculty of Science, Kragujevac, Serbia.</p> <p>Topic: Impact analysis and prediction of the total number of bacteria in different reservoirs using SELAR information system</p>
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BAB.2A.1– Application of data mining in the ecological analysis of the impact of bacterial communities in different reservoirs– Radojević I, Ostojić A, Stefanović N.

BAB.2A.2– DNA protective activity of two species of the *Scrophularia* genus– Matić S, Mašković P, Šipovac K.

BAB.2A.3– Semantic segmentation of oral squamous cell carcinoma on epithelial and stromal tissue– Musulin J, Štifanić D, Zulijani A, Car Z.

BAB.2A.4– Research on the fauna of earthworms (Oligochaeta, Lumbricidae) in Đerdap National park– Sekulić J, Stojanović M, Trakić T, Popović F.

BAB.2A.5– Diversity of earthworms (clitellata: oligochaeta) from Serbian side of Šar mountain – Sekulić J, Stojanović M, Trakić T, Radosavljević S, Popović F.

BAB.2A.6– Determination of heavy metals and secondary metabolites of *Peucedanum oreoselinum*– Pavlović M, Simić Z, Đelić G.

BAB.2A.7– The consumption of raw water – The health risks related to the presence of heavy metals and *Escherichia coli*– Grujović M, Mladenović K, Simić Z, Đuretanović S.

BAB.2A.8– Preliminary results regarding phylogeny of the noble crayfish (Decapoda, Astacidae, *Astacus astacus*) in Serbia– Đuretanović S, Veličković T, Milošković A, Radenković M, Nikolić M, Maguire I, Simić V.

BAB.2A.9– The morphometric study of the effects of bisperoxovanadium (bpv(phen)) on neonatal drg neurons in culture– Todorović N, Stojadinović G, AlJamal K, Živić M.

BAB.2A.10 – The dampening of lipid droplet oscillatory movement in nitrogen starved filamentous fungi by a low dose of mitochondrial respiration inhibitor–Pajić T, Živić M, Rabasović M, Krmpot A, Todorović N.

BAB.2A.11 – Distribution of endemic species *Cernovitovia dudichi* in Serbia– Trakić T, Stojanović M, Popović F, Radosavljević S, Sekulić J.

16:00 - 16:30 (Main Hall)	<p>Invited speaker:</p> <p>Bakhtiyor Rasulev, Associate Professor, Head of Computational Chemistry and Cheminformatics Lab, North Dakota State University, Fargo, USA.</p> <p>Topic: Application of combined data-driven computational chemistry and cheminformatics approaches to predict properties of materials</p> <p>Chair: Dejan Milenković</p>
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Session AST.2B: 16:30-18:00 (Room 2)

Applied sciences and technologies (Poster session)

Chair: Dušica M. Simijonović

16:30 - 16:55	Section lecturer: Vladimir Jurišić , Full Professor, Faculty of Medicine, Kragujevac, Serbia. Topic: Possibilities of cytokine determination and their analysis in various tissue
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AST.2A.1– Overview of phantoms in dosimetry and radiation protection– Živković M, Nikezić D, Miladinović T, Krstić D.

AST.2A.2– Electrochemical investigation on 2-thiohydantoin derivatives as corrosion inhibitors for mild steel in acidic medium– Stanić P, Vukićević N, Cvetković V, Pavlović M, Dimitrijević S, Šmit B.

AST.2A.3 – Dosimetric comparison of vmat and 3d conformal radiotherapy in preoperative rectal cancer– Miladinović T, Miladinović A, Pavlović N, Nikezić D, Krstić D, Živković M.

AST.2A.4 – Hybrid imrt radiation technique comparison with 3d-crt for left-sided whole breast cancer–Pavlović N, Miladinović T, Stojanović D, Miladinović A, Jeremić M.

AST.2A.5 – Radioactivity assessment of natural radionuclides and 137cs in commonly consumed foods –Živković M, Nikezić D, Miladinović T, Stajić J, Krstić D.

AST.2A.6 – Developing of Matlab applicBAbation for determining the reaction kinetics of rubber vulcanization process–Balaban D, Lubura J, Kojić P, Pavličević J, Ikonić B, Bera O.

AST.2A.7– The influence of different nanofillers on thermal property of environmentally friendly polyurethane hybrid materials– Lubura J, Bera O, Jovičić M, Ikonić B, Kojić P, Govedarica D, Pavličević J.

AST.2A.8 – Influence of epoxidized extender oil properties on rubber performances– Blagojević J, Govedarica O, Kojić P, Bera O, Jovičić M, Stojanov S, Pavličević J, Govedarica D.

AST.2A.9 – Investigation of hempseed process oil as the alternative in natural rubber compounding process– Blagojević J, Govedarica O, Kojić P, Bera O, Jovičić M, Stojanov S, Pavličević J, Govedarica D.

AST.2A.10– Development of Electrospun Polyvinylpyrrolidone (PVP) Nanofiber Mats loaded by Calendula Officinalis Extract and Coenzyme Q10– Rackov S, Nešić A, Vraneš M, Pilić B.

AST.2A.11 – The influence of ZnO nanoparticles on the properties of the hyperbranched alkyd resins based on castor oil– Stojanov S, Bobinac I, Jovičić M, Govedarica O, Pavličević J, Blagojević J, Govedarica D.

AST.2A.12– Rheological behavior and mechanical properties of rubber composites based on natural rubber loaded with mineral oils and pyrolytic carbon black– Stojanov S, Jovičić M, Bobinac I, Govedarica O, Pavličević J, Blagojević J, Govedarica D, Bera O.

18:00 - 18:30 (Main Hall)	Closing Ceremony
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