

СРПСКО КРИСТАЛОГРАФСКО ДРУШТВО

SERBIAN CRYSTALLOGRAPHIC SOCIETY

**XXIII КОНФЕРЕНЦИЈА
СРПСКОГ КРИСТАЛОГРАФСКОГ ДРУШТВА**

Програм

**23rd CONFERENCE OF THE
SERBIAN CRYSTALLOGRAPHIC SOCIETY**

Program

Андревље – Andrevlje
2016.

Thursday, June 9

9.00–11.00	REGISTRATION
11.00–12.15	OPENING CEREMONY Chairperson: Olivera Klisurić “DR DUBRAVKO RODIĆ” AWARD ANNOUNCEMENT “DR DUBRAVKO RODIĆ” LAUREAT’S LECTURE
12.15–13.00	WELCOME PARTY
13.00–14.00	PLENARY LECTURE Chairperson: Aleksandar Kremenović P. Roussel STRUCTURE SOLUTION AND REFINEMENT OF NANOCRYSTALS USING PRECESSION ELECTRON DIFFRACTION DATA: AN OVERVIEW OF THE LAST ADVANCES.
14.00–16.00	LUNCH BREAK
14.00–15.00	PRESIDIUM OF THE SCS
16.00–17.15	ORAL PRESENTATIONS Chairperson: Jelena Rogan
16.00	B. M. Francuski, S. B. Novaković, G. A. Bogdanović, Đ. D. Francuski STRUCTURAL AND ELECTRONIC PROPERTIES OF 2-PYRIDINEFORMAMIDE 4-METHYLTHIOSEMICARBAZONE
16.15	M. V. Rodić, V. M. Leovac, Lj. S. Vojinović-Ješić SYNTHESES AND STRUCTURES OF Cu(II) COMPLEXES WITH 2,6-DIACETYLPIRIDINE BIS(S-METHYLISOTHIOSEMICARBAZONE)
16.30	I. Dierdj, B. Marković, J. Popović, T. Weller, Z. Jagličić, Ž. Skoko, D. Pajić, Ch. Suchomski, P. Voepel, R. Marschall, B. M. Smarsly AQUEOUS SOL-GEL ROUTE TOWARD SELECTED QUATERNARY METAL OXIDES WITH SINGLE AND DOUBLE PEROVSKITE-TYPE STRUCTURE CONTAINING TELLURIUM
16.45	B. Radiša, B. Misailović, M. Mitrović, A. Žekić THE EFFECT OF SOLUTION HISTORY ON SODIUM CHLORATE CRYSTALS GROWTH RATE
17.00	A. Kremenović, B. Antić ANISOTROPIC BROADENING OF X-RAY DIFFRACTION MAXIMA FOR $\text{Fe}_{3-x}\text{Y}_x\text{O}_4$ ($x=0.00, 0.05, 0.10$) NANORODS AND NANOSPHERES MIXTURE
17.15–17.45	COFFEE BREAK
17.45–18.45	PLENARY LECTURE Chairperson: Goran Bogdanović B. Spingler HOW CAN WE STILL IMPROVE THE GROWTH OF SINGLE CRYSTALS OF SMALL MOLECULES?
18.45–19.30	ANNUAL ASSEMBLY OF THE SCS

Friday, June 10

10.00–11.00	PLENARY LECTURE Chairperson: Dejan Poleti A. Višnjevac, J. Gout, O. Bistri-Aslanoff, O. Reinaud SINGLE CRYSTAL X-RAY CRYSTALLOGRAPHY IN THE STUDY OF BIOMIMETIC RESORCINARENE-BASED SUPRAMOLECULAR COMPLEXES
11.00–11.30	ORAL PRESENTATIONS Chairperson: Sladana Novaković
11.00	D. P. Malenov, A. J. Aladić, V. B. Medaković, S. D. Zarić PARALLEL INTERACTIONS OF COORDINATING CYCLOPENTADIENYL ANIONS
11.15	S. Tanase, F. Cimpoesu, M. Ferbinteanu STRUCTURAL ANALYSIS OF LANTHANIDE-BASED METAL ORGANIC FRAMEWORKS WITH CATALYTIC ACTIVITY
11.30–12.00	COFFEE BREAK
12.00–13.00	PLENARY LECTURE Chairperson: Ljiljana Karanović H. Borrmann GHOSTS IN CRYSTAL STRUCTURES
13.00–13.45	ORAL PRESENTATIONS Chairperson: Predrag Vulić
13.00	J. M. Andrić, M. Z. Misini, J. S. Murray, P. Politzer, V. B. Medaković, S. D. Zarić MAPS OF ELECTROSTATIC POTENTIALS AND INTERMOLECULAR INTERACTION IN CRYSTAL STRUCTURES
13.15	D. Tomović, A. Bukonjić, A. Kočović, M. Nikolić, M. Mijajlović, V. Jevtić, Z. Ratković, G. Bogdanović, S. Novaković, S. Trifunović, G. Radić THE CRYSTAL STRUCTURE OF BINUCLEAR COPPER(II) COMPLEX WITH S-BENZYL DERIVATIVE OF THIOSALICYLIC ACID
13.30	J. Popović, Ž. Skoko, V. Despoja, I. Lončarić, Z. Popović WHEN CRYSTAL BEHAVES LIKE AN ACROBATE: THE XRPD AND DFT STUDY OF N'-2-PROPYLIDENE-4-HYDROXYBENZOHYDRAZIDE
13.45–16.00	LUNCH BREAK
16.00–17.00	PLENARY LECTURE Chairperson: Snežana Zarić E. R.T. Tiekink CATION EXCHANGE MEDIATED BY MECHANICAL GRINDING IN ORGANIC SALTS OF DRUGS
17.00–18.15	POSTER SESSION WITH COFFEE BREAK
18.15–18.30	AWARD ASSIGNMENT
20.30	CONFERENCE DINNER

Saturday, June 11

11.00–15.00	EXCURSION Visiting “Petrovaradin Fortress” & Lunch
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Poster Presentations

- P01** J. M. Andrić, M. Z. Misini, J. S. Murray, P. Politzer, S. D. Zarić
HYDROGEN BONDING BETWEEN COORDINATED AND NONCOORDINATED WATER MOLECULES: ELECTROSTATIC POTENTIALS AND INTERACTION ENERGIES
- P02** D. B. Ninković, D. Z. Vojislavljević–Vasilev, V. B. Medaković, M. B. Hall, S. D. Zarić
ALIPHATIC–AROMATIC STACKING INTERACTIONS IN CYCLOHEXANE–BENZENE DIMER
- P03** J. P. Blagojević, S. D. Zarić
STACKING INTERACTIONS OF SATURATED PLANAR HYDROGEN-BRIDGED RINGS
- P04** I. M. Stanković, D. M. Božinovski, S. D. Zarić
AROMATIC-AROMATIC INTERACTIONS IN AMYLOIDS
- P05** M. Đukić, Z. Matović, O. Klisurić
SYNTHESIS, CHARACTERIZATION AND CRYSTAL STRUCTURE OF COMPLEX [Ru(η^6 -*p*-cymene)Cl₂(5-MA-3-MorphCN-ITZ)]
- P06** M. M. Radanović, Lj. S. Vojinović-Ješić, M. V. Rodić, V. M. Leovac
SYNTHESES AND CHARACTERIZATION OF COPPER(II) COMPLEXES WITH 2-ACETYLPIRIDINE-AMINO GUANIDINE
- P07** A. Kočović, D. Tomović, A. Bukonjić, M. Nikolić, M. Mijajlović, V. Jevtić, Z. Ratković, G. Bogdanović, S. Novaković, S. Trifunović, G. Radić
THE CRYSTAL STRUCTURE OF BINUCLEAR COPPER(II) COMPLEX WITH S-ISOBUTENYL DERIVATIVE OF THIOSALICYLIC ACID
- P08** L. D. Popov, E. A. Raspopova, S. I. Levchenkov, A. N. Morozov, I. N. Shcherbakov, A. S. Burlov, G. G. Alexandrov
FERROCENYLHYDRAZONE OF 2-N-TOSYLAMINO BENZALDEHYDE: CRYSTAL STRUCTURE AND QUANTUM-CHEMICAL CALCULATIONS
- P09** N. R. Filipović, A. S. Malešević, T. R. Todorović, O. R. Klisurić
CRYSTAL STRUCTURES OF (2-(PYRIDINE-2-YL)-1H-INDOL-3-YL)(3,4,5-TRIMETHOXYPHENYL)-METHANONE (HL) AND ITS Cu(II) AND Pd(II) COMPLEXES
- P10** Lj. Suručić, G. Janjić, Z. Sandić, B. Ekmešić, A. Nastasović
CRYSTALLOGRAPHIC AND QUANTUM-CHEMICAL STUDY OF THE METAL COMPLEX WITH AMINO DERIVATIVES
- P11** A. Bukonjić, D. Tomović, A. Kočović, M. Nikolić, M. Mijajlović, V. Jevtić, Z. Ratković, G. Bogdanović, S. Novaković, S. Trifunović, G. Radić
TWO POLYMORPHS OF BINUCLEAR COPPER(II) COMPLEX WITH S-PROPYL DERIVATIVE OF THIOSALICYLIC ACID
- P12** B. Čobeljić, A. Pevec, I. Turel, M. Milenković, G. Bradan, D. Radanović, K. Anđelković
SYNTHESIS AND CHARACTERIZATION OF PENTAGONAL-BIPYRIMIDAL Zn(II) COMPLEX WITH 2,6-DIACETYLPIRIDINE BIS(TRIMETHYLAMMONIUMACETOHYDRAZONE)
- P13** V. S. Miškov, M. V. Rodić, Lj. S. Vojinović-Ješić, V. M. Leovac
CRYSTAL STRUCTURE OF THE FIRST COBALT(II) COMPLEXES WITH METHYL PYRUVATE THIOSEMICARBAZONE
- P14** J. M. Vujić, A. Hatzidimitriou, S. R. Trifunović, A. Geronikaki, D. Papagiannopoulou
CRYSTAL STRUCTURE OF COPPER(II) COMPLEX WITH 2-(2-PHENYL-THIAZOL-4-YLMETHYLSULFANYL)-ETHYLAMINE

- P15** L. Radovanović, J. Rogan, D. Poleti
CRYSTAL STRUCTURE OF COBALT(II) COMPLEX WITH 2,2'-BIPYRIDINE AND ANION OF MELLITIC ACID
- P16** D. Radanović, A. Pevec, I. Turel, M. Milenković, B. Čobeljić, G. Bradan, K. Andelković
SYNTHESIS AND CHARACTERIZATION OF PENTAGONAL BIPYRAMIDAL Fe(III) COMPLEXES WITH 2,6-DIACETYL-PYRIDINE
BIS(TRIMETHYLAMMONIUMACETOHYDRAZONE)
- P17** P. Dabić, S. Kovač, A. Zdravković
SECONDARY SULFATE MINERALS ASSOCIATED WITH THE WEATHERING OF PYRITE
- P18** A. Dapčević, D. Luković Golić, A. Radojković, J. Čirković, G. Branković, Z. Branković
GADOLINIUM DOPED BISMUTH FERRITE
- P19** A. Kremenović, J. Blanuša, Č. Jovalekić, B. Antić, V. Spasojević, M. Bošković
SYNTHESIS OF NaZn(BH₄)₃ AND NaMn(BH₄)₃ BOROHYDRIDES BY SOFT MECHANOCHEMISTRY
- P20** P. Tančić, A. Kremenović, P. Vulić
STRUCTURAL DISSYMMETRIZATION OF GRANDITE FROM MEKA PRESEDLA (KOPAONIK Mt., SERBIA)
- P21** T. Đorđević, Lj. Karanović
MINERAL-RELATED ARSENATES IN THE SYSTEM CdO/MO/As₂O₅ ($M^{2+} = \text{Mg, Mn, Fe, Co, Ni, Cu, Zn}$): Cd_{1.25}Zn_{0.75}(HASO₄)₂·2H₂O AND MINERAL FLUCKITE
- P22** O. Klisurić, I. Kuzminac, V. Kojić, M. Sakač
X-RAY STRUCTURAL ANALYSIS AND ANTIPROLIFERATIVE ACTIVITY OF C16 STEROIDAL OXIMES
- P23** S. Bjedov, M. Sakač, O. Klisurić
MOLECULAR AND CRYSTAL STRUCTURE OF 7β-METHYL DERIVATIVE OF CHOLIC ACID
- P24** I. Kovačević, M. Rodić, B. Srećo Zelenović, J. Francuz, G. Benedeković, M. Svirčev, M. Popsavin, V. Popsavin
CRYSTAL AND MOLECULAR STRUCTURE OF NOVEL (+)-GONIOFUFURONE ANALOGUE WITH AZIDE FUNCTIONAL GROUP
- P25** J. M. Francuz, M. Rodić, B. Srećo Zelenović, I. Kovačević, G. Benedeković, M. Svirčev, M. Popsavin, V. Popsavin
MOLECULAR AND CRYSTAL STRUCTURES OF KEY INTERMEDIATES IN SYNTHESIS OF 5-O-METHYL-(+)-GONIOFUFURONE
- P26** J. J. Plavša, S. Bekić, M. Marinović, A. Čelić, E. T. Petri
DEVELOPMENT OF A PROTOCOL FOR CRYSTALLISATION OF ALDO-KETO REDUCTASE 1C3 (AKR1C3)
- P27** D. Stojković, V. Jevtić, S. Trifunović, N. Vuković, M. Vukić, I. Potočňák, E. Avdović, S. Jovičić
SYNTHESIS AND CRYSTAL STRUCTURE OF 3-(1-(3-HYDROXYPROPYLAMINO)ETHYLIDENE)CHROMAN-2,4-DIONE
- P28** A. Lazić, N. Trišović, L. Radovanović, Ž. Vitnik, V. Vitnik, J. Rogan, D. Poleti, G. Ušćumlić
STRUCTURAL AND CLP ANALYSIS OF 3-[(4-BROMOPHENYL)METHYL]-1,3-DIAZASPIRO[4.4]NONANE-2,4-DIONE
- P29** M. Marinović, E. Petri, A. Čelić
COMPARATIVE MOLECULAR DYNAMICS OF ANDROGEN AND ESTROGEN RECEPTORS BOUND TO AGONISTS AND ANTAGONISTS
- P30** M. Cvetinov, M. Stojanović, M. Cakić, S. Glišić, G. Nikolić, G. M. Nikolić, K. Cakić
PHASE ANALYSIS OF DEXTRAN SULPHATE STABILIZED SILVER NANOPARTICLES

- P31** **S. Panić, G. Bošković, I. Borišev, Ž. Cvejić, S. Rakić, E. Đurđić, A. Đorđević**
SYNTHESIS OF SHORT MULTIWALLED CARBON NANOTUBES AND THEIR BROMINE DERIVATIVES
- P32** **N. Jović Orsini, V. Spasojević, G. F. Goya**
THE INHERENT HEATING ABILITY OF FERROFLUIDS SYNTHESIZED BY THERMAL DECOMPOSITION METHOD OF $\text{Fe}(\text{acac})_3$ SALT IN ORGANIC MEDIA
- P33** **G. Janjić, D. Milojkov, V. Stanić**
MODEL SYSTEMS FOR FLUORESCENCE OF FLUORAPATITE BASED ON CRYSTALLOGRAPHIC AND QUANTUM-CHEMICAL DATA
- P34** **M. Wedel, P. Manuel, A. Markvardsen**
EXTENDING MANTID'S SUPPORT FOR CRYSTALLOGRAPHY