

СРПСКО КРИСТАЛОГРАФСКО ДРУШТВО

SERBIAN CRYSTALLOGRAPHIC SOCIETY

**XXVIII КОНФЕРЕНЦИЈА
СРПСКОГ КРИСТАЛОГРАФСКОГ ДРУШТВА**

Програм

**28th CONFERENCE OF THE
SERBIAN CRYSTALLOGRAPHIC SOCIETY**

Program

Чачак – Čačak
2023.

Wednesday, June 14

8:00–9:00	REGISTRATION
9:00–9:45	OPENING CEREMONY Chairperson: Tamara Todorović “DR DUBRAVKO RODIĆ” AWARD ANNOUNCEMENT “DR DUBRAVKO RODIĆ” LAUREAT’S LECTURE
9:45–10:30	PLENARY LECTURE Chairperson: Dušan Veljković H. Borrmann MICRO-MACHINING AS A NEW TOOL TO PREPARE SINGLE CRYSTALS
10:30–11:15	WELCOME PARTY
11:15–12:00	PLENARY LECTURE Chairperson: Jelena Rogan Z. Jagličić, A. Panja SLOW RELAXATION OF MAGNETIZATION IN DYSPROSIUM SMMs
12:00–12:45	ORAL PRESENTATIONS Chairperson: Nataša Jović Orsini
12:00	M. G. Bogdanović, N. D. Radnović, M. V. Rodić SYNTHESIS AND CRYSTAL STRUCTURE OF DIPERIODIC Cu(II) COORDINATION POLYMER WITH A BIPHENYLDICARBOXYLIC ACID SCHIFF BASE LIGAND
12:15	D. Ž. Veljković, M. Malinić, I. S. Veljković, V. Medaković STRONG HYDROGEN BONDS INVOLVING CARBON ATOM AS HYDROGEN ATOM ACCEPTOR
12:30	M. S. Kostić, V. M. Leovac, M. G. Bogdanović, M. V. Rodić, Lj. S. Vojinović Ješić, M. M. Radanović SYNTHESIS AND CHARACTERIZATION OF THE SCHIFF BASE 2,6-DIACETILPYRIDINE-ADAMANTANE-1-CARBOHYDRAZIDE AND ITS ZINC(II) COMPLEX
12:45–13:45	LUNCH
13:45	EXCURSION BY BUS TO BLAGOVEŠTENJE MONASTERY AND HIKING TO THE KABLAR MOUNTAIN’S HIGH PEAK
20:00	DINNER

Thursday, June 15 2023

9:00–9:45

PLENARY LECTURE

Chairperson: **Aleksandra Dapčević**

I. Đerđ

HIGH-ENTROPY OXIDES FOR ENERGY STORAGE AND CATALYSIS

9:45–10:30

PLENARY LECTURE

Chairperson: **Božidar Čobeljić**

M. Zlatar

CHEMICAL BONDING IN TRANSITION METAL COMPLEXES – SYNERGY BETWEEN EXPERIMENT AND THEORY

10:30–11:00

COFFEE BREAK

11:00–11:45

PLENARY LECTURE

Chairperson: **Marko Rodić**

M. M. Radanović

COORDINATION CHEMISTRY OF AMINO GUANIDINE SCHIFF BASES – SYNTHESIS, COMPARATIVE STRUCTURAL ANALYSIS, AND POTENTIAL APPLICATION

11:45–12:45

ORAL PRESENTATIONS

Chairperson: **Olivera Klisurić**

11:45

J. Lađarević, L. Radovanović, A. Mašulović, N. Trišović, A. Lazić, J. Rogan, D. Mijin

TAUTOMERISM OF AZO PYRIDONE DYES: CRYSTAL STRUCTURE AND SOLVATOCHROMIC ANALYSIS

12:00

A. Milivojac, T. Bojović, A. Višnjevac, T. Todorović, N. Filipović
DINUCLEAR Cu(II) COMPLEX WITH DIPYRIDYL HYDRAZONYL-THIAZOLE

12:15

M. Milojević, A. Žekić, P. Dabić, B. Vučetić, B. Maksimović
INFLUENCE OF A ROTATING MAGNETIC FIELD ON THE DERACEMIZATION OF SODIUM CHLORATE CRYSTALS

12:30

N. Milojković, B. Simović, M. Žunić, A. Dapčević
EFFECT OF DOPANTS ON ANATASE STRUCTURE

12:45–13:30

ANNUAL ASSEMBLY OF THE SCS

13:30–14:15

LUNCH

- 14:15–15:45 ORAL PRESENTATIONS**
Chairpersons: **Verica Jevtić** and **Maja Đukić**
- 14:15 **B. V. Pantović, T. P. Andrejević, D. P. Ašanin, N. Lj. Stevanović, V. R. Marković, B. Đ. Glišić**
CRYSTAL STRUCTURE OF A SILVER(I) COMPLEX WITH *N*-METHYLPHENOTHIAZINE
- 14:30 **N. D. Radnović, M. G. Bogdanović, C. Hawes, M. V. Rodić**
SYNTHESIS AND STRUCTURE OF Co(II) COMPLEX WITH BIS(4-CARBOXY-BENZYL)AMMONIUM CHLORIDE AND PYRAZINE
- 14:45 **M. V. Rodić, V. Raičević, V. M. Leovac, N. D. Banić**
CRYSTAL STRUCTURE OF Z-METHYL PYRUVATE SEMICARBAZONE
- 15:00 **I. P. Filipović, M. D. Radovanović, M. B. Đukić, O. R. Klisurić, D. Lj. Stojković, M. S. Ristić, Z. D. Matović**
SYNTHESIS AND CRYSTAL STRUCTURE OF [Rh₂(CH₃COO)₄(*N*-BuIm)] COMPLEX
- 15:15 **B. Čobeljić, A. Pevec, M. Zlatar, M. Savić, M. Jevtović**
SYNTHESIS AND CHARACTERIZATION OF AZIDO Zn(II) COMPLEX WITH THE CONDENSATION PRODUCT OF 2-ACETYLTIAZOLE AND THIOSEMICARBAZIDE
- 15:30 **M. Šuljagić, I. Petronijević, M. Mirković, A. Kremenović, A. Džunuzović, V. B. Pavlović, A. Kalezić-Glišović, L. Andjelković**
BaTiO₃/Ni_xZn_{1-x}Fe₂O₄ (*x* = 0, 0.5, 1) COMPOSITES SYNTHESIZED BY THERMAL DECOMPOSITION: THE INFLUENCE OF PHASE COMPOSITION AND SINTERING TEMPERATURE ON THEIR PHYSICAL PROPERTIES
- 15:45–17:00 POSTER PRESENTATIONS WITH COFFEE BREAK**
- 17:00–18:00 ORAL AND POSTER PRESENTATION AWARDS & CLOSING CEREMONY**
- 19:00 CONFERENCE DINNER**

Poster Presentations

- P01** K. Anđelković, A. Pevec, D. Mitić, M. Jevtović, M. Savić, N. Stevanović
SYNTHESIS AND CHARACTERIZATION OF AZIDO Zn(II) COMPLEX WITH THE CONDENSATION PRODUCT OF 2-ACETILPYRIDINE AND GIRARD'S P REAGENT
- P02** J. Araškovič, P. Ristić, A. Višnjevac, J. M. López-de-Luzuriaga, T. Todorović, N. Filipović
MONONUCLEAR AND PENTANUCLEAR Zn(II) COMPLEXES WITH HYDRAZONYL-THIAZOLES: STRUCTURAL AND PHOTOPHYSICAL STUDY
- P03** E. H. Avdović, D. Simijonović, Ž. B. Milanović, M. Antonijević, D. Milenković, Z. S. Marković
SYNTHESIS AND CRYSTAL STRUCTURE OF (*E*)-2,3-DIHYDROXY-*N'*-(1-(2-OXO-2*H*-CHROMEN-3-YL)ETHYLIDENE) BENZOHYDRAZIDE
- P04** G. A. Bogdanović, S. B. Novaković, Z. Ratković, S. Lj. Matić, J. Muškinja
SMALL STRUCTURAL MODIFICATIONS CAN RESULT IN COMPLETELY DIFFERENT INTERMOLECULAR INTERACTIONS: A CASE OF THE FERROCENYL *N*-ACYL PYRAZOLINES
- P05** D. S. Kretić, V. B. Medaković, I. S. Veljković
PARALLEL-DISPLACED INTERACTIONS BETWEEN S₈ RINGS IN CRYSTAL STRUCTURES: COMPREHENSIVE THEORETICAL STUDY
- P06** M. Jevtović, A. Pevec, M. Šumar Ristović, M. Savić, D. Mitić, N. Stevanović
SYNTHESIS AND CHARACTERIZATION OF Mn(II) COMPLEX WITH THE CONDENSATION PRODUCT OF THIOSEMICARBAZIDE AND 2-ACETYLTHIAZOLE
- P07** A. Radojković, D. Luković Golić, N. Jović Orsini, N. Nikolić
STRUCTURAL PROPERTIES OF BiFeO₃ CERAMICS DOPED WITH LANTHANUM AND ZIRCONIUM
- P08** I. S. Veljković, D. S. Kretić, D. Ž. Veljković
THEORETICAL STUDIES OF Se...Se INTERACTION IN CRYSTAL STRUCTURES
- P09** A. Lazić, L. Radovanović, J. Rogan, G. Janjić, I. Đorđević, N. Trišović
ROLE OF STRUCTURAL MOTIFS IN FORMATION OF THE SUPRAMOLECULAR ARCHITECTURE OF 3-(4-TERT-BUTYLBENZOYL)-1,3-DIAZASPIRO[4.5]DECANE-2,4-DIONE
- P10** A. Mašulović, L. Radovanović, J. Lađarević, A. Lazić, N. Trišović, J. Rogan, D. Mijin
SUPRAMOLECULAR APPROACH OF DYEING: CRYSTAL PACKING OF PYRIDONE AZO DYE
- P11** M. M. Milić, N. Jović Orsini
STRUCTURAL, MAGNETIC AND HYPERTHERMIC PROPERTIES OF PVP COATED IRON OXIDE NANOPARTICLES

- P12** B. V. Pantović, T. P. Andrejević, J. Kljun, I. Turel, D. P. Ašanin, M. I. Djuran, B. Đ. Glišić
SYNTHESIS AND CRYSTAL STRUCTURE OF A GOLD(III) COMPLEX WITH DIMETHYL 2,2'-BIPYRIDINE-4,5-DICARBOXYLATE
- P13** Đ. S. Petrović, V. V. Jevtić, O. R. Klisurić, S. Jovičić Milić, D. Lj. Stojković
SYNTHESIS AND CRYSTAL STRUCTURE OF PALLADIUM(II) COMPLEX WITH (S,S)-PROPYLENE-DIAMINE-N,N'-DI-2-(3-METHYL) BUTANOIC ACID
- P14** L. Radovanović, D. P. Malenov, J. Rogan
CRYSTALLOGRAPHIC, SPECTROSCOPIC AND COMPUTATIONAL STUDY OF ZINC COMPLEX WITH 2,2'-DIPYRIDYLAMINE AND ANION OF FURANDICARBOXYLIC ACID
- P15** V. Raičević, M. Sakač, N. Radulović, M. Rodić
CRYSTAL STRUCTURE OF A NEW FERROCENE CONJUGATE WITH A PREGNANE-TYPE STEROID
- P16** A. A. Rakić, M. Minić, P. Stanić, G. V. Janić
CRYSTALLOGRAPHIC AND QUANTUM-CHEMICAL ANALYSIS OF DMSO COORDINATION TO PLATINUM
- P17** R. R. Raonić, D. L. Sekulić, R. Yatskiv, J. Maixner, S. R. Lukić-Petrović, T. B. Ivetić
PHASE AND MORPHOLOGY CHANGES IN THE LITHIUM-NIOBIUM-TITANIUM-OXIDE SYSTEM INDUCED BY SMALL ADDITIONS OF ZINC-OXIDE
- P18** P. Ristić, A. Višnjevac, J. Araškov, N. Filipović, T. Todorović
Zn(II) COMPLEX WITH PYRIDINE BASED 1,3-SELENAZOLYL-HYDRAZONE
- P19** M. V. Rodić, S. B. Novaković, G. A. Bogdanović, S. Belošević, V. M. Leovac
SYNTHESIS AND CRYSTAL STRUCTURES OF PYRUVIC ACID THIOSEMICARBAZONE AND ITS SODIUM SALT
- P20** M. Savić, A. Pevec, D. Radanović, M. Zlatar, M. Jevtović
SYNTHESIS AND CHARACTERIZATION OF Fe(III) COMPLEX WITH THE CONDENSATION PRODUCT OF THIOSEMICARBAZIDE AND 2-ACETYLTHIAZOLE
- P21** M.P. Kasalović, T. Rüffer, V.V. Jevtić, N.Đ. Pantelić, G.N. Kaluderović
MOLECULAR AND CRYSTAL STRUCTURE OF THE 2-(4-METHYL-2-OXOQUINOLINYL-1(2H)-YL)ETHANOATO)TRIPHENYLTIN(IV)

