

**XXVII КОНФЕРЕНЦИЈА  
СРПСКОГ КРИСТАЛОГРАФСКОГ ДРУШТВА**

**КРАГУЈЕВАЦ, 16-17. СЕПТЕМБАР 2021.**

**ПРОГРАМ**

**27<sup>th</sup> CONFERENCE OF THE SERBIAN  
CRYSTALLOGRAPHIC SOCIETY  
KRAGUJEVAC, SEPTEMBER 16<sup>th</sup>-17<sup>th</sup> 2021**

**CONFERENCE PROGRAM**



## THURSDAY, September 16<sup>th</sup>

9<sup>00</sup>

### REGISTRATION

Poster Mounting

All posters should be displayed on September 16<sup>th</sup> from 10:00 to 19:00.

10<sup>00</sup>-10<sup>15</sup>

### OPENING CEREMONY

10<sup>15</sup>-10<sup>30</sup>

### IN MEMORIAM TO DR PREDRAG VULIĆ

10<sup>30</sup>-12<sup>00</sup>

### “DR DUBRAVKO RODIĆ” AWARD

Chairperson: Tamara Todorović

AWARD ANNOUNCEMENT

LAUREATS’ LECTURES

12<sup>00</sup>-13<sup>00</sup>

### WELCOME PARTY – COCKTAIL

13<sup>15</sup>-17<sup>00</sup>

### MEET KRAGUJEVAC

WALKING TOUR WITH LOCAL GUIDE

17<sup>00</sup>-19<sup>00</sup>

### POSTER SESSION

17<sup>00</sup>-18<sup>00</sup>

POSTER PRESENTATIONS (ONLINE)

18<sup>00</sup>-19<sup>00</sup>

POSTER PRESENTATIONS

19<sup>00</sup>-19<sup>15</sup>

### POSTER PRESENTATION AWARD

20<sup>00</sup>

### DINNER PARTY IN RESTAURANT “PANORAMA”

## FRIDAY, September 17<sup>th</sup>

10<sup>00</sup>–10<sup>45</sup>

### INVITED LECTURE

Chairperson: Nataša Jović Orsini

**Goran N. Kaluderović**

IMMOBILIZATION OF THE ANTITUMOR ACTIVE COMPOUNDS INTO SBA-15

10<sup>45</sup>–11<sup>15</sup>

### ORAL PRESENTATIONS

Chairperson: Nataša Jović Orsini

**A. Mašulović, J. Ladarević, L. Radovanović, K. Gak Simić,**

10<sup>45</sup>–11<sup>00</sup>

**Trišović, J. Rogan, D. Mijin**

WATER ASSISTED ASSEMBLY OF PYRIDONE ZWITTERIONS

11<sup>00</sup>–11<sup>15</sup>

**A. Rakić, M. Petković Benazzouz, N. Trišović, G. Janjić**

FLUORINATION OF ALIPHATIC COMPOUNDS. DRIVING FORCE IN CRYSTAL STRUCTURES

11<sup>15</sup>–11<sup>45</sup>

### COFFEE BREAK

11<sup>45</sup>–12<sup>30</sup>

### INVITED LECTURE

Chairperson: Olivera Klisurić

**Nenad Filipović**

(1,3-THIAZOLYL/SELENAZOYL-2-YL)HYDRAZONES AND THEIR COMPLEXES: FROM STRUCTURE TO POTENTIAL APPLICATION

12<sup>30</sup>–13<sup>30</sup>

### ORAL PRESENTATIONS

Chairperson: Olivera Klisurić

12<sup>30</sup>–12<sup>45</sup>

**A. B. Đunović, D. S. Kretić, I. S. Veljković, D. Ž. Veljković**

ROLE OF NONCOVALENT INTERACTIONS IN THE CONTROL OF THE SENSITIVITY OF HIGH ENERGETIC MOLECULES TOWARDS DETONATION

12<sup>45</sup>–13<sup>00</sup>

**I. Potočňák, A. Lüköová, E. Samoľová**

PALLADIUM COMPLEXES WITH 7-BROMO-QUINOLIN-8-OL

- 13<sup>00</sup>–13<sup>15</sup> **N. Milojković, M. Orlić, J. Dikić, M. Žunić, B. Simović,  
A. Dapčević**  
ANTIBACTERIAL ZINC ORTHOTITANATE
- 13<sup>15</sup>–13<sup>30</sup> **N. Radnović, C. Hawes, M. Rodić**  
SYNTHESIS AND STRUCTURE OF Cu(II) COMPLEX WITH  
BIS(4-CARBOXY- BENZYL)AMMONIUM CHLORIDE
- 13<sup>30</sup>–15<sup>00</sup> **LUNCH BREAK**
- 15<sup>00</sup>–15<sup>45</sup> **INVITED LECTURE**  
Chairperson: Jelena Rogan  
**C. S. B. Gomes**  
IMINOPYRROLYL-NICKEL AND BORON COMPLEXES:  
STRUCTURE-PROPERTY RELATIONSHIP ANALYSIS AND  
APPLICATIONS IN LUMINESCENCE AND CATALYSIS
- 15<sup>45</sup>–16<sup>00</sup> **ORAL PRESENTATION AWARD**
- 16<sup>00</sup>–17<sup>00</sup> **PRESIDIUM OF THE SCS**

## Poster Presentations

All posters should be displayed on September 16th from 10:00 to 19:00.

- P1** K. Gak Simić, A. Lazić, L. Radovanović, J. Rogan, G. Janjić, I. Đorđević, N. Trišović  
SUPRAMOLECULAR ASSOCIATION IN 3-(4-CHLOROBENZOYL)-1,3-DIAZASPIRO[4.5]DECANE-2,4-DIONE
- P2** T. Adejumo, D. Radanović, M. Zlatar, M. Gruden, K. Anđelković, B. Čobeljić  
SYNTHESIS, CHARACTERIZATION AND DFT CALCULATIONS OF DINUCLEAR SCHIFF BASE Mn(II) COMPLEX
- P3** D. Stojković, V. Jevtić, Đ. Petrović, S. Jovičić Milić, N. Vuković, M. Vukić, M. Đukić, O. Klisurić  
SYNTHESIS AND CRYSTAL STRUCTURE OF 2-ACETYL BUTYROLACTONE WITH METHYL ESTER OF L-TRYPTOPHANE
- P4** Đ. Petrović, V. Jevtić, S. Jovičić Milić, D. Stojković, O. Klisurić  
SYNTHESIS AND CRYSTAL STRUCTURE OF PROPYLENEDIAMINE-*N,N'*-DI-(2-(3-METHYL)-BUTANOATE ACID
- P5** E. H. Avdović, K. Molčanov, Ž. B. Milanović, M. Antonijević, D. Simijonović, D. Milenkovića, Z. S. Marković  
SYNTHESIS AND CRYSTAL STRUCTURE (E)-3-(1-((4-HYDROXY-3-METHOXYPHENYL)AMINO)-ETHYLIDENE) CHROMANE-2,4-DIONE
- P6** G. Janjić, I. Đorđević, A. Lazić, L. Radovanović, M. Petković-Benazzouz, J. Rogan, N. Trišović  
INFLUENCE OF HALOGENATION OF AROMATIC RING ON THE CONFORMATION OF SPIROHYDANTOIN COMPOUNDS
- P7** J. Ladarević, L. Radovanović, B. Božić, A. Mašulović, J. Rogan, D. Mijin  
CRYSTAL STRUCTURE AND ANTIOXIDANT ACTIVITY OF Cu(II) COMPLEX OF AZO PYRIDONE DYE
- P8** J. Araškoy, A. Višnjevac, T. Todorović, N. Filipović  
MOLECULAR AND CRYSTAL STRUCTURES OF Zn(II) COMPLEXES WITH THIAZOLYL-HYDRAZONES
- P9** M. Jevtović, N. Stevanović, D. Radanović, D. Sladić, K. Anđelković, B. Čobeljić  
SCHIFF BASE Zn(II) COMPLEXES WITH COORDINATION NUMBER FIVE
- P10** L. Radovanović, I. Đorđević, M. V. Rodić, J. Rogan  
CRYSTAL STRUCTURE OF 2,2'-DIPYRIDYLAMINE-DIETHYLBARBITURIC ACID CO-CRYSTAL
- P11** Lj. Suručić, T. Tadić, A. Nastasović, B. Marković, Z. Sandić, A. Onjia, G. Janjić  
SUBSTITUTION OF SULFUR BY SELENIUM. EFFECT OF POLAR GROUPS FROM THE ENVIRONMENT

- P12** Lj. Kuzmanović, M. Kovačević  
APPLICATION OF PHOTONIC CRYSTALS IN OPTICAL FIBERS
- P13** M. Petković Benazzouz, A. Rakić, N. Trišović, G. Janjić, M. Sarvan  
FLUORINATION OF AROMATIC GROUPS. THE EFFECTS OF COORDINATION ON FLUORINE INTERACTIONS
- P14** M. Radovanović, M. Ristić, M. Đukić, I. Filipović F. W. Heinemann, Z. Matović,  
SYNTHESIS AND CRYSTAL STRUCTURE OF  
*cis*-equatorial-Na[Rh(Hed3ap)Cl]·2.22H<sub>2</sub>O COMPLEX
- P15** M. Harmošová, E. Samořová, M. Litecká, N. Kuncová, I. Potočňák  
MOLECULAR, IONIC AND POLYMERIC COMPLEXES OF ZINC WITH NITRODERIVATIVES OF QUINOLIN-8-OL
- P16** M. Matiková Mařarová, K. Lacková, I. Potočňák  
STRUCTURAL DIVERSITY OF Cu(II)-phen-C(CN)<sub>3</sub> SYSTEM
- P17** N. Jović Orsini, M. M. Milić  
ZINC SUBSTITUTED IRON OXIDE NANOPBBLES FOR MAGNETIC HYPERTHERMIA - FROM ORGANIC TO AQUEOUS MEDIUM BY BUILDING TiO<sub>2</sub>-IRON OXIDE COMPOSITES
- P18** N. Danilović, A. Janićijević, T. B. Miladinović  
CRYSTALLIZATION SHELF
- P19** N. Stevanović, J. Kljun, T. Andrejević, D. Ašanin, I. Turel, M. Đuran, B. Glišić  
SYNTHESIS AND CRYSTAL STRUCTURE OF A SILVER(I) COMPLEX WITH ANTIFUNGAL AGENT ECONAZOLE
- P20** T. P. Andrejević, J. Kljun, D. P. Ašanin, N. Lj. Stevanović, I. Turel, M. I. Đuran, B. Đ. Glišić  
SYNTHESIS AND CRYSTAL STRUCTURE OF A SILVER(I) COMPLEX WITH DIMETHYL 6-(PYRAZIN-2-YL)PYRIDINE-3,4-DICARBOXYLATE
- P21** P. Ristić, P. Pavlović, M. Stanišić, R. Prodanović, M. Ognjanović, V. Đokić, T. Todorović  
INFLUENCE OF ANIONS, BUFFER AND DETERGENT ON TOPOLOGY AND MORPHOLOGY OF ZIF-8 CRYSTALLITES
- P22** S. Jovičić Milić, V. Jevtić, Đ. Petrović, D. Stojković, N. Vuković, M. Vukić, O. Klisurić, M. Kačániová  
SYNTHESIS AND CRYSTAL STRUCTURE COMPLEX OF PALLADIUM(II) ION WITH 2-AMINO-6-CHLOROBENZOTIAZOLE
- P23** S. Marković, A. Višnjevac, T. Todorović, N. Filipović  
MOLECULAR AND CRYSTAL STRUCTURES OF Cd(II) COMPLEXES WITH THIAZOLYL-HYDRAZONES

- P24** S. B. Novaković, G. A. Bogdanović, Z. D. Petrović, D. Simijonović, V. M. Milovanović, J. Branković, V. P. Petrović  
CRYSTAL STRUCTURES OF TWO METHOXYBENZENE-PYRAZOLONE DERIVATIVES
- P25** B. Simović, G. Branković, A. Dapčević  
PHOTOCATALYTIC DEGRADATION OF RO16 DYE USING HYDROTHERMALLY SYNTHESIZED CeO<sub>2</sub>/ZnO COMPOSITES
- P26** M. M. Milić  
OXYGEN ORDERING AND FORMATION OF –U CENTERS IN THE YBa<sub>2</sub>Cu<sub>3</sub>O<sub>6+x</sub> SUPERCONDUCTOR
- P27** M. Milojević, B. Maksimović, B. Vučetić, M. Mitrović, A. Žekić  
INFLUENCE OF MAGNETIC FIELD ON GROWTH RATE DISTRIBUTIONS OF SMALL SODIUM CHLORATE CRYSTALS
- P28** D. B. Ninković, A. B. Đunović, D. Ž. Veljković  
INFLUENCE OF HALOGEN BONDING ON THE SENSITIVITY OF HIGH-ENERGY MOLECULES TOWARDS DETONATION
- P29** M. Russin, A. Lüköová, S. Drweesh, E. Samol'ová, M. Litecká, I. Potočňák  
IONIC PALLADIUM COMPLEXES WITH 5-CHLORO-8-HYDROXYQUINOLINE AND DIFFERENT CATIONS
- P30** M. M. Radanović, M. V. Rodić, Lj. S. Vojinović-Ješić, M. S. Kostić, D. Gazdić, V. M. Leovac  
SYNTHESIS AND STRUCTURE OF TETRANUCLEAR ZINC COMPLEX WITH SCHIFF BASE OF AMINOGUANIDINE
- P31** P. Dabić, S. Kovač, A. Kremenović  
CRYSTAL STRUCTURES OF Cs<sub>2</sub>H<sub>0</sub>Si<sub>4</sub>O<sub>10</sub>F AND Cs<sub>2</sub>TmSi<sub>4</sub>O<sub>10</sub>F