

Friday – September 13th

Flash Presentation – Room 1B – Main Floor

16:30 – 17:30

(3 minutes – No questions)

1-Synthesis, characterization, and in vitro anti-zikv activity of Cu(II) complexes with bidentate pyrrole-Schiff base and 1,10-Phenanthroline mixed ligands

Adryo N. Tavares (UFPEL)

2-Potential surface analysis over electron addition for Pt(IV), Pt(III) and Pt(II) complexes

Bruna Lemes Silva (UNIFEI)

3-Novel phenanthroline-based ruthenium complexes as the promising antimicrobial agents.

Fernanda S. de Oliveira (UFC)

4-An overview of the Polynuclear Platinum(II) Complex-heparan sulphate substitution reaction: free energy and kinetic analysis of mimetic models

Frederico Henrique do C. Ferreira (UFJF)

5-Innovation in Antitumoral Therapy: Gold(I)-Se Complexes in the Search for Efficient Treatment

Patrícia Salvador Tessaro (UFMG)

6-A novel non-toxic oxidovanadium(4+) complex as a potential DM2 treatment

Thayná Ferreira de Mendonça (UFRPE)

7-New Ru(II) polypyridinic complexes with the 6ain ligand as potential vasodilators.

Francisco Vitor da Silva Leite (UFC)

8-Development of Metalloporphyrin Catalysts for Chemical Fixation of Carbon Dioxide into Epoxides: Efficient Production of Cyclic Carbonates

Álvaro F. A da Mata (UFG)

9-Preparation and Characterization of a Self-assembled Monolayer of 3-(3-thienyl)benzonitrile on Gold

Leonardo Gomes de Sousa (UFC)

10-Structural analysis of the composite based in TiO₂ and carbon dot from o-phenylenediamine

Maria Vitória P. Vaz (UFU)

11-Mesoporous carbon as sulfur support for lithium-sulfur batteries

Sarah David Pereira (UFMG)

12-Bright Red Luminescence under Sunlight of PMMA Polymers doped with Tetrakis Eu³⁺ β-diketonate Complex containing Benzimidazolium Counterion

Israel P. Assunção (USP)

13-Coordination polymer of Ln(III)-oxamate (Ln = Dy³⁺, Gd³⁺, Tb³⁺, and Eu³⁺): structural characterization and photoluminescent properties

Ketlyn W. Borth (UFPR)

14-Upconversion and downshifting of Gd₂O₃ nanoparticles doped with Er³⁺, Yb³⁺, Eu³⁺ inserted at SiO₂ for energy conversion and photodynamic therapy

Thaís Rezende (UFU)

Saturday– September 14th

Flash Presentation – Room 1B – Main Floor

16:30 – 17:30

(3 minutes – No questions)

1-Biopolymer Nanocapsule for Controlled Release of Bismuth (III) Complex with 4-(1H-Imidazole-1-yl)-benzaldehyde-thiosemicarbazone (BiTSB)

Angel A. R. Despaigne (UFV)

2-Metal complexes containing nucleotide analogs: a proposal for the treatment of skin lesions

Francisco M. C de Almeida (UNICAMP)

3-Computational protocol for predicting the Ruthenium-99 NMR chemical shift in Ru(II) complexes using the new NMR-DKH and NMR-ZORA basis sets

Júlio de P. C. Oliveira (UFRJ-Macaé)

4-Metal silicotungstate salt-catalyzed esterification reaction of benzaldehyde

Alana Alves Rodrigues (UFV)

5-Metalloporphyrins immobilized in Layered Double Hydroxides of different trimetallic compositions for heterogeneous catalysis application

Gabriela Oro (UFPR)

6-Evaluation of Eletroceramics for the Epoxidation Catalytic of α -Bisabolol

Rafaela Taiane de Sousa (UFMG)

7-Remote temperature sensing using Eu-doped 3D-printed micropolymers at the tip of an optical fiber

Ricardo S. Baltieri (USP-SC)

8-Zika Virus Biomarker Detection through Gold Nanoparticles and Dynamic Light Scattering

Dayenny L. D. Leite (UFF)

9-Three-dimensional Electron Diffraction unveil Single-Crystal-to-Single-Crystal Transformation in Bis-Oxamate Coordination Compounds

Igor A. V. Maldonado (UFRJ)

10-Porphyrin derivatives: characterization of products arising from lipid photosensitization

Leandro O. Cunha (UFMG)

11-Organofunctionalized bentonite magnetic nanocomposite for efficient removal of rare earth ions from aqueous solutions

Yasmine Macedo Passos (PUC-RJ)

12-Ru(II) organometallic complexes containing aroylthiourea ligands: Synthesis, characterization, and antibacterial activity

Marcielli Indira de Oliveira (UFSC)

13-Nitrone group-based chemosensor with selectivity towards Cu(II) ions

Leonardo Martins Carneiro (UFABC)

Sunday– September 15th

Flash Presentation – Room 1B – Main Floor

11:30 – 12:20

(3 minutes – No questions)

1-A hybrid metallophore binds copper(II) ions and dephosphorylates L-serine: dual approach for multifactorial neurodegenerative diseases

Elisa S. Tardem (UERJ)

2-Impact of structural A3B3+-design of a Zn(II) porphyrin photosensitizer on the photoinactivation of Candida albicans: ZnMVanTriM-2-PyP3+ vs. ZnTM-2-PyP4+

José Ferreira Sarmiento-Neto(UFPB)

3-Dinuclear zinc(II) complex with a new symmetric ligand with N4S2O donor set: a promising artificial nuclease

Giovanna Vulcão Colares (UFSC)

4-New ruthenium complexes containing para-substituted benzoic acid: Synthesis, characterization and cytotoxicity assays

Jocely de L. Dutra (USP)

5-A comparative study of ZSM-5 embryonic and crystalline zeolites synthesis through two methodologies

Ana L. A. Simões (UFMG)

6-Multifunctional aerogels prepared by upcycling of aluminum cans waste

Elias Paiva Ferreira Neto (UFSC)

7-Enhanced Luminescence in Silver and Neodymium codoped Fluoride-phosphate Glasses for Optical Applications

Vinicius Duarte Jesus (Física-USP-SC)

8-Synthesis and potential application of nanoparticles for photodynamic therapy in cancer treatment

Firdaus Adeola Adegboye (USP-RP)

9-Study of the photophysical properties of DNA binding with [Ru(bpy)2dppz]2+ and its derivatives

Fábio da Silva Miranda (UFF)

10-Theoretical and spectroscopic study of two europium(III) complexes containing the zwitterionic form of 4-picolinic acid or 3-thiophenecarboxylate as antenna ligands

Ana Carolina Cellis do Nascimento (UFF)

11-Assembly of plasmonic metal nanorods and luminescent vanadate-based particles for luminescent thermometry

Gabriel Moronari (UNICAMP)

12-Upconverting NaGdF4: 5% Er3+, 20% Yb3+ nanoparticles for theranostics

Luiz Fernando dos Santos (USP-RP)

13-Modeling Lifetimes of Excited States in Mixed Coordination Compounds of Eu3+ and Tb3+

Wagner M. Faustino (UFPB)

14- Structural and electronic properties of the valence tautomerism in co(dioxole)2py2 crystals

Marcelo F. F. Alecrim (Física-UFMG)