

TOPICS OF DIPLOMA DISSERTATION FOR MASTER STUDY in the academic year 2022/2023

Field of study: Chemistry

No.	ADVISOR	TOPIC OF DIPLOMA DISSERTATION	COMMENTS
ZB-1a Research Group of Organometallic Chemistry and Functional Materials <i>Head: Prof. Sławomir Szafert, D.Sc.</i>			
1.	dr Bartłomiej Pigulski	Synthesis of azulene-embedded NIR chromophores	Synthetic
2.	dr Mateusz Janeta	Synthesis of imine cage-like silsesquioxanes as multifunctional ligands	Synthetic
ZB-3 Research Group of Peptide Engineering <i>Head: Prof. Piotr Stefanowicz, D.Sc.</i>			
3.	dr Marek Cebrat	Attempt to introduce Safirinium structures into model peptide sequences.	experimental
ZB-6 Research Group of Chemistry of Porphyrins and Porphyrinoids <i>Head: Prof. Piotr Chmielewski, D.Sc.</i>			
4.	dr hab. Ewa Dudziak	Synthesis of porphyrins incorporating metallacyclic rings	
ZB-7a Research Group of Biomaterials Chemistry <i>Head: Prof. Piotr Chmielewski, D.Sc.</i>			
5.	dr hab. Maria Jerzykiewicz	Complexation of metal ions by different humic substances fractions	
6.	dr hab. Maria Jerzykiewicz	Metal ion sorption by biochar	
ZB-12 Research Group of Metal Complex Catalysis <i>Head: Prof. Anna Trzeciak, D.Sc.</i>			
7.	prof. Anna Trzeciak	Catalytic dehalogenation of aromatic compounds	
8.	prof. Anna Trzeciak	Catalytic activation and conversion of CO ₂	
ZB-13a Research Group of Inorganic Supramolecular Chemistry <i>Head: Prof. Jerzy Lisowski, D.Sc.</i>			
9.	Prof. Jerzy Lisowski	Polymeric lanthanide(III) complexes	

No.	ADVISOR	TOPIC OF DIPLOMA DISSERTATION	COMMENTS
ZB-17a Research Group of Chemistry and Structure of Heterocycles and their Coordination Networks <i>Head: Prof. Piotr Smoleński, D.Sc</i>			
10.	dr hab. Agata Białońska	Coordination compounds of silver(I) with selected Schiff bases	
11.	prof. Piotr Smoleński	Synthesis and characterization of new P-N-O donor ligands towards design of biologically active transition metals complexes	Experimental work
12.	prof. Piotr Smoleński	Synthesis and structural determination of the new water-soluble coordination polymers with multidimensional organic linkers type P-N-O	Experimental work
13.	prof. Piotr Smoleński	Biological investigations of the new coordination compounds with organic ligands type P-N-O	Experimental work
14.	prof. Piotr Smoleński	Luminescent properties of the coordination compounds with organic ligands type P-N-O	Experimental work
15.	prof. Piotr Smoleński	Synthesis and characterization of new P-N-O donor ligands towards design of biologically active transition metals complexes	Experimental work
ZB-19 Research Group of Ferroelectrics and Liquid Crystals <i>Head: Prof. Grażyna Bator, D.Sc.</i>			
16.	dr hab. Magdalena Rok	Synthesis and physicochemical analysis of organic-inorganic hybrids with perovskite structure in porous matrix	
17.	dr hab. Magdalena Rok	Synthesis and physicochemical analysis of organic-inorganic hybrids with perovskite structure	
ZP-1 Research Group of Organic supramolecular chemistry <i>Head: D.Sc. Bartosz Szyszko</i>			
18.	dr hab. Bartosz Szyszko	Synthesis of new molecular knots and links	
19.	dr hab. Bartosz Szyszko	Searching for new methods of rotaxane synthesis using the active template strategy	
20.	dr hab. Bartosz Szyszko	Coordination cages: synthesis and host-guest chemistry	