



**Postgraduate students in the research stage  
for the academic year 2024-2025  
University of Mosul - College of Education for Pure Sciences  
Department of Chemistry**

Supervisor's name	Thesis/dissertation title	Degree	Student's name	ت
Dr. Raghad Yousef Ghazal	Applying artificial intelligence to evaluate and treat groundwater in Tel-Kayef District using natural and synthetic zeolites.	PhD	Alaa Jassim Mohammed Ayoub	1
Dr. Imad Abdel-Ilah Dr. Zahida Ahmed Najm	A practical and theoretical study to calculate the ionization constants of a number of azo compounds derived from carboxylic acids using quantum mechanical methods and a study of the biological activity using Docking methods.	PhD	Ahmed Ali Younis Mohammed	2
Dr. Amal Younis Reda Dr. Anwar Abdel Ghani	Preparation and characterization of a number of complexes of some new heterocyclic ligands and study their biological activity	PhD	Intisar Abdullah Mohammed Qaddo Al Salman	3
Dr. Mohammed Abdul Hadi Jassim	The effect of natural compounds of some Iraqi plants on some biochemical parameters of male white rats with induced diabetes	PhD	Hudhayfah Ayad Rashid	4
Dr. Thia'a Najm Abdullah	Development of analytical methods for the estimation of some pharmaceutical compounds and their binary	PhD	Zaid Abdul Karim Muhammad Mahmoud	5



	mixtures using various reagents			
Dr. Ahmed Khadr Dr. Omar Thanoon	Synthesis of some heterocyclic compounds derived from paracetamol and study their biological activity	PhD	Abeer Nabil Hamdoun Mahmoud	6
Dr. Amer Thanoon Dr. Muhammad Muhammad Amin	Study of the electrochemical behavior and voltammetric estimation of some drugs used to treat prostate enlargement in men.	PhD	Mohammed Qahtan Hassan Ali	7
Dr. Ammar Ahmed Hamdoun Dr. Khaled Ahmed Awad	Modification of the mechanical and thermal properties of Iraqi hot and cold asphalt using different modification methods	PhD	Mahmoud Khalil Salim Hamoud	8
Dr. Muhannad Yaqdan Saleh	Preparation and characterization of new heterocyclic polycyclic compounds and evaluation of their biological activity	PhD	Mahmoud Mohammed Tayeb Ahmed Mahmoud	9
Dr. Muhammad Mahmoud Hussein Dr. Jassim Mohammed Elias	Thermodynamic study of complexes derived from some divalent elements with drugs, practically and theoretically, and evaluation of the biological activity	PhD	Mushtaq Saad Younis Mohammed	10
Dr. Imad Abdel-Ilah Saleh Dr. Thia'a Najm Abdullah	Development of analytical methods for the estimation of a number of drugs: kinetic and thermodynamic studies	PhD	Maisam Hossam Ahmed Yahya	11
D. Ammar Ahmed Dr. Khaled Ahmed	Improving the mechanical and thermal performance of Iraqi asphalt by modifying its rheological properties	PhD	Safwan Muhammad Mustafa	12



Dr. Nashwan Ibrahim	The effect of some natural products and their nano-preparations on some biochemical parameters in rats with rheumatoid arthritis	PhD	Roaa Amir Elia	13
Dr. Omar Thanoon Dr. Omar Younis	Extracting some active compounds from a plant, preparing their analogues, and studying their suitability as preservatives.	PhD	Maher Abdel Khader	14
Dr. Imad Abdel-Ilah Dr. Qidar Salem	Study of the adsorption test of a number of dyes on adsorbent materials prepared from natural raw materials, thermodynamic and kinetic study	PhD	Nada Gamal Abdel Karim	15
Dr. Zahida Ahmed Najm	A theoretical and experimental study to calculate the electrical conductivity in the solid state of a number of aromatic amide compounds.	PhD	Raghad Akram Mohsen	16
Dr. Jassim Mohammed Elias Dr. Naim Hazem	Preparation and characterization of complexes of a number of divalent elements with organic compounds derived from heterocyclic rings and evaluation of biological activity	PhD	Mohamed Amhidi Shihab	17
Dr. Amal Younis Reda	Preparation of metal complexes from heterocyclic compounds	PhD	Mohamed Hani Younis	18
Dr. Sobhi Mohsen	Microgram quantitative determination of a number of pharmaceutical compounds	PhD	Reem Abdel Ahmed	19



	using different analytical methods			
Dr. Yasser Shakib	Preparation of organic compounds using organic catalysts	PhD	Mohammed Adnan Mohammed	20
Dr. Ahmed Ghaleb	Bioethanol production from organic waste and its use in improving the octane number of gasoline fuel	MSc	Nour Al-Huda Qasim	21
Dr. Mohamed Hazem	Study of wastewater properties and treatment	MSc	Mohamed Diaa Rashad	22
Dr. Omar Younis	The use of some plant extracts in the treatment of enzymatic and non-enzymatic browning of some foods	MSc	Saja Ahmed Salem	23
Dr. Luma Abdel Moneim	Evaluation of the biochemical effect of Ashwagandha plant extracts in laboratory rats with neonatal rheumatoid arthritis.	MSc	Wasn Zuhair Ahmed	24
Dr. Omar Abdel-Hay	Spectrophotometric determination of a number of pharmaceutical compounds using dyes	MSc	Tabarak Arif	25
Dr. Zeina Zuhair Saleh	Development of indirect spectroscopic methods for the quantification of a number of pharmaceutical compounds	MSc	Anfal Abdel Karim	26
Dr. Intisar Qahtan	Preparation and study of some heterocyclic compounds derived from carboxylic acids and study of their biological activity	MSc	Hadeel Mohsen Taha	27



Dr. Ghofran Dhnoon	Preparation and identification of a number of heterocyclic compounds from some diamine compounds and evaluation of their biological activity	MSc	Omar Taha Ismail	28
Dr. Amna Elias Ahmed	Preparation and identification of some five and six-membered heterocyclic compounds	MSc	Mohammed Ahmed Khalaf	29
Dr. Muhannad Yaqzan Saleh	Preparation and characterization of fused heterocyclic compounds using some nano-metal catalysts and studying their biological activity theoretically and practically	MSc	Walid Khaled Ghanem	30
Dr. Nour Hazem Mohamed	A practical and theoretical study to compare the ionization constants of a number of amino acid derivatives	MSc	Mohammed Abdel Razzaq	31
Dr. Safwan Abdul Sattar	Study of adsorption isotherms of some industrial dyes using activated carbon and Atablakide clay	MSc	Qahtan Hamid Khalil	32
Dr. Fadia Jalal Ahmed	Preparation, characterization and study of the biological activity of a number of transition metal complexes with Schiff base ligands	MSc	Sundus Ibrahim	33
Dr. Mohammed Abdul Hadi Jassim	The effect of obesity on some biochemical and genetic parameters causing female infertility	MSc	Inas Elias Shamoun	34
Dr. Hamza Namiq	The effect of some active compounds isolated from	MSc	Rahma Naktal Wali	35



	grape leaves on emerging diseases in rats			
Dr. Mahmoud Abdel Salam Dr. Raghad Youssef	Designing educational software in chemistry and studying its impact on developing visual thinking skills in chemistry and a deep understanding of chemical concepts.	MSc-teaching methods	Rahma Muqdad Muhammad	36
Dr. Mahmoud Abdel Salam Dr. Sobhi Mohsen	The effectiveness of the dual-situation learning model in teaching chemistry on developing scientific concepts and complex thinking among middle school students	MSc-teaching methods	Jassim Mohammed Ahmed	37
Dr. Mahmoud Abdel Salam Dr. Muhammad Abdel Hadi	The effect of design thinking strategy on the achievement of fifth-grade science students in chemistry and the development of their innovative thinking	MSc-teaching methods	Anfal Khalil Ibrahim	38
Dr. Muhammad Jassim Dr. Qaydar Salem	The effect of teaching based on probing thinking on the acquisition of chemical concepts among fifth-grade science students and the development of their scientific attitudes	MSc-teaching methods	Ali Mohsen Mohammed	39
Dr. Muhammad Jassim Dr. Omar Thanoun	The effect of problem-centered learning strategy on fourth-grade middle school students' achievement in chemistry and their creative thinking	MSc-teaching methods	Iman Suleiman Jassim	40



Dr. Waad Ghanem Dr. Tanheed Adel	The effect of the numbered heads strategy on the achievement of fifth-grade science students in chemistry and their scientific attitudes	MSc-teaching methods	Zahraa Mohammed Nawar	41
Dr. Waad Ghanem Dr. Zahida Ahmed	The effect of using the Pressley model on the achievement of fourth-grade middle school students in chemistry and developing their reflective thinking	MSc-teaching methods	Sohaib Nasser Ibrahim	42

