



**Graduation Projects for 4th-year students of the Department of Chemistry
College of Education for Pure Science, University of Mosul
2024-2025**

S	Supervisor name	Student name	Project title
1	Asst. lect. Ahmed Hussein Ali	Malak Hazem Hamadi	N and P type semiconductors and the introduction of nanotechnology into them
2	Pro. Dr. Nashwan Ibrahim Abo	Maryam Muthana Abdulsalam	Hepcidin Hormon
3	Asst. Lect. Aya Ihsan Jameel	Enam Mahmoud Qasim	Using propanol to reduce test anxiety
4	Asst. Prof. Dr. Ahmed G. S. Al-Azzawi	Tabark Meehan Thanoon	Use of polymers in the production of manufactured glass
5	Asst. Prof. Dr. Omar Abdulhay Mohammed	Ayman Sabah Hikmat Rasheed	Using Dyes for Durg Analysis
6	Asst. Prof. Dr. Rawaa Abdulaleem Ahmed	Anfal Juma Gharbi	Use of ionic aggregation reactions in the estimation of several drug compounds in pharmaceutical preparations
7	Lect. Dr. Younis Turki Mahmood	Mahmood Mohammed Jasim	Using nano-titanium dioxide in treating skin infections
8	Asst. Lect. Aya Ihsan Jameel	Heba Ziad Yassin	Use of anticoagulants in the treatment of recurrent miscarriage
9	Asst. prof. Dr. Mohammed jassim Mohammed	Naba Hafez Salah Mohammed	Task centered learning strategy and it's role in teaching chemistry
10	Asst. Pro. Dr. Waad Ghanim Badawy	Zamzam Hasen Ahmed	Cornell's Strategy and its Role in Chemistry Learning
11	Asst. Prof. Dr. Zeena Zuhair Salih	Shahd Imad Hazm Muhammad	Review of some important analytical reagents in the spectrophotometric determination of pharmaceutical compounds
12	Asst. Prof. Dr. Rawaa Daoud Sulaiman	Nour Khazal Thanoon	Semiconductors and some of their applications
13	Lect. Dr. Hiba Rafid Kamal	Amani Nabeel Zuhair Ezaldein	Blood fat disorder
14	Lect. Maather Abdelah Husain	Maali Mohammed Masfoh	UV Spectrophotometer
15	Asst Prof. Dr. Safwan Abulsattar Mohammed	Zahra Rabeaa Ismaeel	Chemical radiation: its benefits and harms
16	Asst. Prof. Dr. Fedaa Hasan Marie	Ruaa Hathal Mohammed Ali	X-rays and their risks



17	Ass. Prof. Dr. Raed Tariq Ghanem	Taha Ibrahim Ahmed	Infrared rays and their uses
18	Asst. Prof. Dr. Fedaa Hasan Marie	Aya Abdle-Wahab Salah	Chemical adsorption
19	Asst. Prof. Dr. Rawaa Daoud Sulaiman	Essam Ali Hussein	Adsorption on nanoscale surfaces
20	Asst. Prof. Dr. Amena Alyas Ahmed	Ahmed Ammar	Amines Their Types and Properties
21	Lect. Dr. Omar Abdullah Salih	Baker Mohammed Ahmad	Amines, methods of preparation and reactions
22	Lect. Dr. Linda Reyadh Abdul-Raheem	Dina Emad Hamdoun	Indole: Preparation, Reactions, and Uses
23	Prof. Dr. Omar Younis Al-Abbasy	Abdulhameed Ammar Taha	Food enzymes
24	Prof. Dr. Jassim M Alyass	Ganem Zeyad Ganem	Chemical bonds
25	Asst. Prof. Dr. Hadil Samir Aziz	Maha Ahmed Omar Hmed	Ibuprofen
26	Asst. Prof. Dr. Ghufrahan Thanoon Sdeek	Abdullah Hazim Mohammad	Imides
27	Asst. Prof. Dr. Nameer Saadaalah Ezzat	Marben Mansour Botrous	Imidates
28	Asst. Prof. Dr. Mohammed M. A. Abdullah	Duaa Nadhem Abdullah Sultan	X-Ray Relation with Human Body
29	Asst. Prof. Dr. Mohammad Mahmoud Hussein Younes Al-Niemi	Abdelazim Thonnoun Younes Swadi	Ultraviolet Rays, Their Benefits And Damages
30	Asst Prof. Dr. Zeena Zuhair Salih	Mustafa Muhammad Faisal Mahmoud	Paracetamol: its importance and spectrophotometric methods of estimation in pharmaceutical preparations
31	Asst. Prof. Dr. Raed Tariq Ghanem	Khairallah Karim Taha Ahmed	electrochemical batteries
32	Asst. Prof. Dr. Ahmed G. S. Al-Azzawi	Ali Athhawi Jadoo	High density poly ethylene, its production and applications)
33	Prof. Dr. Luma Abdalmunim Baker	Fatima Zaki Hussein	The biological effect of lecithin cholesterol acyltransferase LCAT
34	Prof. Dr. Mahmood Abdulsalam Alhafidh	Manar Shamel Ibrahim	Differentiated Instruction and its Role in Chemistry Learning
35	Asst. Prof. Dr Nagham Nathim Habeeb	Zaman Salim Ahmad	Analytical applications of Nile Blue and Rose Benchal dyes in the determination of pharmaceutical preparations
36	Lect. Dr. May Ghanim Ameen Al-Dabbagh	Ahmed Ali Abdulaziz	The Chemical applications of ultraviolet rays.
37	Lect. Dr. Rana Talib Ibrahim	Mohammad Hussein Hasan Hussein	Nutrition and Some Diseases resulting from Malnutrition



38	Asst. Lect. Leena Adil Saber	Ramzia Yahya Fathi Abdullah	Spectroscopic estimation of some toxic compounds and drugs and their applications in pharmaceutical preparations
39	Asst Lect. Hind Shaker Mahmood	Mustafa Adnan Taha Hassan	Spectrophotometric determination of furosemide in pharmaceutical preparations
40	Asst. lect. Maysam Husam Ahmed	Safa Mohammed Najib	Spectrophotometric determination of metronidazole in pharmaceutical preparations
41	Lect. Saleh Talal Hasan	Mohamed Fadel Abbas	Spectrophotometric determination of mesalazine
42	Lect. Dr. Dunia Butrus Toma	Fawaz Khalaf Khudeida	Radiation pollution and its impact on humans and the environment
43	Asst. Lect. Anwar Mahmoud Ahmad	Taqi Mohand Ahmed	Thermal pollution
44	Assist. Prof. Dr. Mohammad Mahmoud Hussein Younes Al-Niemi	Mariam Ibraheem Ali Ahmed	Electrical Conductivity for A Number of Chemical Complexes
45	Asst. Prof. Dr. Amena Alyas Ahmed	Saja Yousif	thiazine
46	Asst. Prof. Dr. Fedaa Hasan Marie	Asmaa Bassem Mohamed	Free radicals and their risks
47	Lect. Dr. Omar Abdullah Salih	Anmar Abdulhakeem Husein	Carboxylic acid
48	Lect. Dr. May Ghanim Ameen Al-Dabbagh	Duaa Mohanad Yahya	The physical properties of materials used in toothpaste industry
49	Lect. Dr. Younis Turki Mahmood	Hassen Nasir Ali	Nano-solar cells: safer renewable energy
50	Asst. Prof. Dr. Safwan Abdusatar Mohammed	Zahra Subhi Mohamed	Kinetic study of the adsorption process of azo dyes
51	Lect. Dr. Ibrahim Yonus Mohammed	Ibrahim Tallal Ibrahim	Kinetic study of chemical reactions and their applications to the adsorption process
52	Lect. Dr. Nawfal Sheet Muhammed	Saif Alden Ouday Farook	Fat and their relationship to human diseases
53	Lect. Dr. Nawfal sheet Muhammed	Asel Ahmed Thanon	Asthma and effects in humans
54	Prof. Dr. Khalid Ahmed Owaid	Hala Hardan Mohammed	The Glass
55	Asst. Prof. Dr. Ragheed Yousif Ghazal	Riyam Aziz Hasan	Zeolite and its applications
56	Lect. Dr. Rana Khattab Omar	Naba Mahmud Ealin	Altruistic behavior in a sample of chemistry students
57	Prof. Dr. Emad A S Al-Hyali	Khalil Khalid	Renewable energy



58	Asst. Prof. D. Mohamed Yahya Dhamra	Shahd Muhammad Aziz Taama	Analytical methods used for the determination of dapagliflozin
59	Asst. Lect. Maisaa Mohammed Qassm	Baraq Bilal Fawzi	Emotional Violence at as ample of Chemistry Students
60	Lect. Ayman Saeed Mohammed Tayeb	Mohammed Mohsen Amin	Factors affecting the adsorption process
61	Asst. Prof. Dr. Qaidar Salim Jarjees	Doaa Saad Khalil	Natural gas production, processing methods and applications
62	Asst. Lect. Baraa Saleh Abdulqader	Duaa Ali Redha	Cadmium: Its Existence, Properties, Importance, and Some of Its Compounds and Complexes
63	Prof. Dr. Emad A S Al-Hyali	Sara Nashwan	Computation Chemistry
64	Asst. Prof. Dr. Raghed Yousif Ghazal	Sara Mohammad Waadalla	Green Chemistry
65	Lect. Ayman Saeed Mohammed Taib	Rakan Marai Ibrahim	Electrochemistry and its applications
66	Prof. Dr. Nadhwan Ibrahim Aboo	Israa Hasan Hamid	Relation of Lipooxygenase with some diseases
67	Asst. Lect. Maather Abdulelah Hussain	Yaseen Mohammed Khider	Laser
68	Lect. Dr. Mohammed Hajjy Ali Saad	Nooh Ali Ahmed	scanning electron microscope
69	Asst. Prof. Ghassan Aziz Rashid	Yones Abd Saleh	Alshaeir Bashaar Abraham fi diwan maebad Alsamari
70	Asst. Prof. Dr. Hadil Samir Aziz	Sultan Muhammad Salem Khalaf	Heterocyclic compounds derived from Curcumin
71	Asst. Prof. Dr. Neam Hazem Saleem	Haya Sohaib Mohammed	Nonheterocyclic compounds of Thiazole and oxazole
72	Asst. Prof. Dr. Zaheda Ahmed Najim	Taha Ali Suliman Ahmed	Nanomaterials and their application in chemistry
73	Asst. Prof. Dr. Intisar Qahtan Mahmood	Hoda Aswad Hussein Ghadir	Five membered ring heterocyclic compounds(pyrrole)
74	Lec. Dr. Linda Reyadh Abdul-Raheem	Omar Mohammed Khalil	Saturated heterocyclic tetracyclic compounds
75	Asst. Lect. Anwar Mahmoud Ahmad	Israa Omar Khader	Heavy metals and their effects on humans body
76	Lect. Dr. Abeer Salim Mohamed	Mostafa Molazim Jassim	Metal complexes of the ligand 2-acetylthiophene
77	Lect. Dr. Mohammed Hajjy Ali Saad	Fatma Abdullah Ahmed	Sterilizers and disinfectants
78	Lect. Dr. Dunia Butrus Toma	Asmaa Ahmed Meshal	Nanomaterials and their applications in water treatment
79	Asst. Prof. Dr. Qaidar Salim Jarjees	Nadia Ismail Fadel	Shale oil extraction and processing methods



80	Lect. Dr. Aws Nazar Abdulazeez	Sura Yasin Marae	Fiber poly amides
81	Prof. Dr. Luma Abdalmunim Baker	Khadija Samir Youssef Yaqoub	Types of antioxidants
82	Lect. Dr. Rana Talib Ibrahim	Aseel Khaled Ahmed	Some Diseases Related to Oxidative Stress
83	Asst. prof. Dr. Rana Ramzi Abed	Maryam Hazem Ramzi	Some of the metal complexes of the captopril and its consistency style
84	Asst. Prof. Dr. Noor Hazim Mohammad Thalji	Rasool hamza Jasim	The effect of nanoparticle size on physical properties.
85	Asst. Prof. Dr. Zaheda Ahmed Najim	Ali Mahmood Ahmed Ibraheem	Salt effect on chemical reaction
86	Asst. Prof. Dr. Alyaa Sabah Mohammed	Rahma Khudair Abdallah Ali	Theoretical Analysis of Chalcone Complexes: Structure, Properties, and Applications.
87	Asst. Prof. Dr. Mohanad Y. Saleh	Omer Aayed Ajaj	Applications for the Diels - Alder Reaction
88	Asst. Lect. Noor Mazin Ibrahim	Mustafa Jassim Mohammad	Applications of Prussian blue reaction in the estimation of pharmaceutical compounds
89	Lect. Dr. Alaa Abdul Azeez Ahmed	Ebtihal Abdalaziz Dawood	Application of nanotechnology in pharmaceuticals compounds
90	Lect. Dr. Alaa Abdul Azeez Ahmed	Alzahraa Aied Ghazi	Application of nanotechnology in dentistry
91	Prof. Dr. Omar Younis Al-Abbasy	Ruqaya Omar Mohammed	food spoilage
92	Prof. Dr. Yassir Shakeeb Al-Jawaheri	Sarab Ibrahim Ali	Organic addition reaction
93	Asst. Prof. Dr. Omar Abdulhay Mohammed	Aghadeer Ahmed Mohammed	Spectrophotometric determination of Thiamine Hydrochloride (b1)
94	Asst. Prof. Dr. Omar Abdulhay Mohammed	Aghadeer Ahmad Mohammed	Spectrophotometric Determination of Thiamin hydrochloride (VitamineB1)
95	Asst. Lect. Hind Shaker Mahmood	Muhammad Essam Hussein	Estimation of the pharmaceutical compound chlorofencol in pharmaceutical preparations
96	Asst. Prof. Dr. Omar Thanoon Ali	Abdulrahman Rashid Abdullah	Nuclear magnetic resonance technique in the identification of organic compounds
97	Prof. Dr. Ammar Ahmed Hamdoon	Manar Emad Mohammed	Water Pollution by Petroleum Derivatives
98	Asst. Prof. Dr. Mohammed Hazim Sabry	Ayat Eabdalhadi Mahmud	air pollution
99	Asst. prof. Dr. Noor Hazim Mohammad	Ahmad Saad Salih	Enzyme kinetics



100	Prof. Dr. Amaal Younis Ridha	Moamen Abd-Alsattar Taha	Study of 2-amino thiazole complexes
101	Asst. Prof. Dr. Mohammad Mahmoud Hussein Younes Al-Niemi	Anfal Hatem Ahmed Othman	A Stability Study for Some of the Azo Dyes Derived From The Drug Chemical Compounds
102	Asst. Prof. Dr. Fadia Jalal Ahmed	Younis Sheet Haider	Study of complexes containing sulfur as a donor atom: xanthate-dithiocarbamate complexes
103	Asst. Prof. Dr. Fadia Jalal Ahmed	Abdul Aziz Nashwan Muhammad	Study of some coordination complexes using Schiff base as ligand
104	Asst. Lect. Aya Ihsan Jameel	Rahma Sabah	Study of the effect of uric acid and creatinine levels on kidney failure patients
105	Asst. Prof. Dr. Fadia Jalal Ahmed	Muhammad Hussein Ali	A study of the element hydrogen in terms of discovery, preparation, and importance.
106	Asst. prof. Dr. Rana Ramzi Abed	Rafid Ibrahim Khalaf	Study the complexes of the lymphidat mixture for the benoteric acid
107	Lect. Dr. Abeer Salim Mohamed	Fairs Basheer Khadr Mohamed	Theoretical study of 1,2-phenylenediamine complexes with transition metals
108	Asst. Prof. Dr. Ahmed M. Sadoon	Riyadh Mohammed Ahmed	Theoretical and Spectroscopic study of Bisabolol oxide A extracted from Chamomile plant.
109	Asst. Prof. Dr. Ahmed M. Sadoon	Moath Mohammed Saeed	Theoretical and Spectroscopic study of the rhamnoside-O-3 Quercetin compound extracted from Rhubarb plant
110	Asst. Prof. Dr. Shaimaa Samir Ismaaeel	Fatima Saad Hamid	Study and preparation of saturated nitrogen compounds
111	Ass. Pro. Waad Ghanim Badawy	Ammar. Mahmood Hmadi	The role of the round robin strategy in teaching chemistry
112	Asst Lect. Maisaa Mohammed Qasim	Amena Majid Fathi	The role of Counsling in educating students of the Chemistry department to eliminate drugs
113	Lect. Dr. Hiba Rafid Kamal	Tyma'a Ali Hussain	The role of drugs in coronavirus
114	Prof. Dr. Mahmood Abdulsalam Mohammed Alhafidh	Omar Hasan	The role of multimedia in enhancing the teaching of chemistry
115	Asst. Prof. Dr. Waad Ghanim Badawy	Mlak Hashem Salih	The role of the Wheatley model in teaching chemistry
116	Asst. prof. Dr. Tanhed Adel Fadhel	Amer Hazem Khalil Aliwi	The role of the Pressley model in teaching chemistry



117	Asst. prof. Dr. Tanhed Adel Fadhel	Hasan Ali Shehab Ahmad	The English translation of the title "أنموذج قائم على المشكلة في فهم مادة الكيمياء" is: Problem-based learning model in understanding chemistry
118	Lect. Dr. Hamza Namik Hameed	Ali AbdulMuheimen Taha	The role of vitamin D in the prevention and management of some diseases
119	Lect. Dr. Hamza Namik Hameed	Kawther Hayes Mamdouh	The role of some electronics in regulating blood pressure
120	Lect. Dr. Osamah Mohammed Majeed	Elham Kahtan Aziz Mohammed	Milk and dairy industry
121	Lect. Dr. Ibrahim Yonus Mohammed	Raked Mohamod Ali	Activation energy for chemical reactions
122	Asst. Prof. Dr. Nagham Nathim Habeeb	Abeer Hasan Shehab Ahmad	Methods for the determination of phenylephrine hydrochloride in its pharmaceutical preparations
123	Asst. Prof. Dr. Rawaa Abdulaleem Ahmed	Malik Farhan Ali	Methods for the determination of the pharmaceutical compound trifluoperazine hydrochloride in its pharmaceutical preparations
124	Asst. Lect. Noor Mazin Ibrahim	Yahya Manhal Yahya	Methods for estimating ascorbic acid
125	Asst. Lect. Leena Adil Saber	Ahmed Faris Mohammed Younis	Methods for the determination of folic acid in pharmaceutical preparations
126	Asst. Prof. Dr. Neam Hazem Saleem	Younis Ayed Hail	Methods of Coumrin preparation
127	Asst. Lect. Ahmed Hussein Ali	Maryam Muhammad Ayoub	Surface tinsiin measurement method
128	Lect. Ma'ather Abdullah Hussain	Maaly Mohamad Masfoh	IR spectrum
129	Lect. Dr. Aws Nazar Abdulazeez	Muna Ahmad Ebrahim	Reforming processes for petroleum fractions
130	Lect. Dr. Osamah Mohammed Majeed	Tahreer Abdulnaser Ahmed	cooling gases
131	Lect. Dr. Nawfal Sheet Muhammed	GOFRAN Ali Shukri	Anemia, its types and treatment
132	Asst. Prof. Dr. Akram Abdulqader Mohammed	Sarah Ramadhan Ahmed	Chemistry of Bromine
133	Asst. Prof. Dr. Akram Abdulqader Mohammed	Sarah Khalid Thanoon	Chemistry of Silver
134	Prof. Dr. Yassir Shakeeb Al-Jawaheri	Jaafar Akeel Habeeb	Chemistry of natural product
135	Ass. Prof. Dr. Nameer Saadaalah Ezzat	Juma'a Abdullah Khider	Protection groups for some organic compounds
136	Asst. Prof. Dr. Mohamed Yahya Dhamra	Mohamed Bassam Khalil	Review of spectrophotometric methods for the determination of formaldehyde



137	Asst. Prf. Dr. Mohamed Yahya Dhamra	Ronak Hadi Malko	General review of analytical methods used for the determination of acyclovir
138	Asst. Prof. Dr. Intisar Qahtan Mahmood	Ahmed Abdel-Hafiz Ahmed	Oxadiazole compounds
139	Asst. Prof. Dr. Shaimaa Samir Ismaeel	Omar Ahmad Hashim	Oxazole compounds
140	Asst. Prof. Dr. Ghufrahan Thanoon Sdeek	Abdel Kareen Natheem Khallaff	α,β -Unsaturated carbonyl compounds
141	Asst. Prof. Dr. Subhi M. Jarullah	Amina Mohammed Abdulmaojood	Fluoresceins spectroscopy and analytical Applications
142	Asst. Prof. Dr. Subhi M. Jarullah	Noori Hassan Ali	Atomic absorption spectroscopy and analytical Applications
143	Asst. Prof. Dr. Mohammed M. A. Abdullah Alimam	Suzan Najim Abdullah Ibrahim	Microwave Spectroscopy with Application.
144	Asst. Prof. Dr. Alyaa Sabah Mohammed	Dalal Taha Aziz Hussein	Azo complexes with transition elements: a structural and applied study in coordination chemistry.
145	Asst. Prof. Dr. Rana Ramzi Abed	Rowaida Abd Ali	The complexes of the rules of the sealing of the Ankozayed and its vital role
146	Lect. Dr. Rana Khattab Omar	Hussein Mohammed Saeed	Effective time management skills among a sample of chemistry department students
147	Asst. Prof. Dr. Mohammed Hazim Sabry	Naglaa Alaa El-Din Idris	wastewater
148	Asst. Prof. Dr. Mohammed A.H. JASIM	Omar Abdel Ghani Jassim	Osteoporosis and its relationship with calcium and D3
149	Asst. prof. Dr. Mohamed Yahya Dhamra	Shahd Muhammad Aziz Taama	Analytical methods used for the determination of dapacliflozin
150	Lect. Dr. Hussein Yousif Ridha	Alaa Walid Ibrahim	mono chalcones
151	Lect. Dr. Hussein Yousif Ridha	Fadel Abbas Jawad	Nomenclature of heterocyclic compounds
152	Prof. Dr. Jassim M Alyass	Malak Bassam Nozat	Inorganic complexes of azo dyes

