



Graduation projects for the academic year 2023-2024

S	Supervisor Name	Student Name	Project Title
1	Assistant Prof. Dr. Idris Eidan Ghadir	Mohammed Hazem Sharif	Fabrication of bismuth subsalicylate (Bi ₂ O ₃) nanoparticles by green synthesis using mint extract as a reducing agent
2	Assistant Prof. Alaa Abdel-Hakim Hamed Ahmed Al-Azzo	Aya Nizar Ezzou Majeed	Liquid magnets
3	Assistant Prof. Dr. Yasser Abdel-Jawad Al-Jawady	Aya Ihab Ghanem	Optical fibers and their applications
4	Lecturer Dr. Marwa Thamer Mahmoud Al-Shamaa	Shahd Mohammed Taleh	Medical imaging techniques (X-rays, CT scans, MRI)
5	Professor Dr. Abdullah Idris	Mujtaba Hamza Abdulghani	Optical fibers and their applications
6	Lecturer Taha Mustafa Khader Al-Mawla	Rahma Abdullah Musleh Al-Taie	Determining the air mass of central Baghdad
7	Lecturer. Rana Waleed Najm Abdullah	Kawthar Laith Shukr	Atomic force microscopy
8	Lecturer Dr. Taha Mustafa Khader Al-Mawla	Nour Sabah Ahmed Al-Akeedi	Effect of optical scattering on the temporal stability of a solar simulator
9	Assistant Professor Haitham Abdel-Hamid Al-Rawji	Zainab Ibrahim Hussein	Using corona discharge to detect and treat some air pollutants
10	Assistant Prof. Dr. Yasser Abdel-Jawad Al-Jawady	Hajar Kanaan Adel	Cold laser applications in medicine
11	Assistant Prof. Dr. Imad Ahmed Hussein Ali	Zeina Abdullah Ibrahim	The moon and tides



12	Assistant Prof.Dr. Mohamed Khairy Zaki	Maher Mahmoud Mohammed	Electrification in bones
13	Professor Dr. Abdel-Karim Al- Mawla	Hussam Waleed Akoub	Comparison between X-rays and scanning electron microscopy
14	Lecturer Taha Yassin Weiss Al- Juhaishi	Zahraa Yahya Qasim	Nuclear fusion reactor
15	Lecturer Ahmed Ezz El-Din Dhnoon Al-Obaidi	Israa Laith Mahmoud Tawfiq	Nano applications in the medical field
16	Lecturer Maisam Shihab Ahmed	Asmaa Yousef Abdullah	Holograms and their uses
17	Assistant Professor Irada Abdul- Khaleq Al-Dabbagh	Omar Talib Hamad	
18	Assistant Prof. Suha Abdullah Najm	Zahraa Farhad Mohsen	Optical properties of quartz glass and determining the linear absorption coefficient of different types of liquids
19	Assistant Prof.Dr. Abdulkhalik Ayoub Al-Rawaji	Alaa Qasim Mohammed	Preparation of cadmium selenide (CdSe) films using the chemical precipitation (CBD) method and studying their optical properties
20	Assistant Prof. Mohsen Mohammed Hussein Abdullah	Saad Qasim Wasman	Nuclear fission
21	Prof. Yahya Abdulkarim Salman Al-Mawla	Nasreen Rashid Ismail	Metal corrosion and methods Processing
22	Lecturer Dr. Huda M. Muneer Abdulqader	Adnan Khalil Ibrahim	Modern technologies used in solar cell manufacturing
23	Assistant Prof. Yusra Malallah Abdullah	Mohammed Abdulrazzaq Mohammed	Radar system design using Arduino and ultrasonic sensors



24	Assistant Prof.Ammar Yassin Barjas	Basma Hassan Jamal	Manufacturing a DC power supply with a constant 5V output voltage and four ports (low, high) for digital laboratory experiments
25	Lecturer Arwa Raad Saadallah	Rabab Muslim Mohammed Younis	Water desalination using nuclear energy
26	Lecturer Farah Nazim Mohammed Ali	Rahma Sameer Mohsen Al-Taie	X-rays and dental X-ray examination
27	Lecturer Mayan Ibrahim Khalil	Aya Khaled Badr	Positron emission tomography (PET)
28	Prof.Dr. Mohammed Ali Fathi Al-Jumaili	Raja Hassan Younis Al-Kikani	Development of the Kayker-Nuttall relationship to determine the half-life of alpha-emitting nuclei using MATLAB software
29	Assistant Prof. Mohsen Mohammed Al-Badrani	Mazen Hawas Ibrahim	Radioisotopes and their uses in medicine
30	Prof. Dr. Laith Ahmed Najm	Ghafran Lazem Shabib	Nuclear fusion
31	Lecturer Hala Ibrahim	Maha Mansour Mohammed	The effect of X-rays on human cells
32	Lecturer Enas Mohammed Younis	Shaima Mansour Mohammed	Radioisiodine and its use in treating and diagnosing thyroid diseases
33	Prof. Dr. Laith Mohammed Saadoun	Enas Qasim Muslim	Preparation of CdSe films using thermal spraying and studying the effect of Co 1.33 Mev gamma rays on optical properties
34	Assistant Prof.Dr. Mahmoud Ahmed Hamoud	Mona Jassim Ahmed Fatima Saad Younis	Surface modification of stainless steel alloys using single alumina coating



35	Assistant Prof.Dr. Mahmoud Ahmed Hamoud	Taqi Abdel Mawgoud	Manufacturing lightweight aluminum-lead binary alloys (Al(100-x) - Pb(x)) and their use in gamma ray attenuation for shielding purposes
36	Assistant Prof.Dr. Imad Ahmed Hussein Ali	Nagham Amir Younis	Binary stars
37	Lecturer Heba Mohammed Taher Khalil	Israa Qais Ibrahim	Water Magneto
38	Lecturer Dr. Khader Ali Saleh Sayer Al-Jubouri	Nada Idham Hadi	Oxidation and thermal corrosion of an improved nickel-bas
39	Assistant Prof. Dr. Ahmed Mounir Suhail	Taqi Ahmed Salem	Preparation of negative-type CVD-prepared graphene ed alloy coating (IN18bv) with a thermal barrier at high temperatures
40	Lecturer Rana Ziad Abdel Fattah Mustafa Al-Falih	Student Name	Measurement of the optical properties of cadmium telluride (CdTe) thin films using the chemical bath deposition (CBD) technique