

**Graduation projects for the Energy Department for the academic year 2021-2022**

Student name	Project name	Lecturer name	no
Omar Mahmoud	Solar cooker	Prof. Dr. Aasim Ahmed Issa	1
asmaa Khaled	Uses of blue energy		
Aya Bashar	Production of biofuel through fermentation	Prof. Alaa Ismail Ayoub	2
Abdul Salam Ali	Nano solar cells		
Zainab Basil	Organic solar cells	M.SC. Bashir Khalil Ahmed Hassan	3
Rahma Abdul Jalil	A comparative study of pneumatic solar collectors operating with an absorption panel		
Amna Hossam El -Din	Calculating and analyzing solar radiation components		
anas najah anwer	Preparing the solar oven and regulating its temperature	Prof. Dr. Beni Abdel Aziz Saleh	4
Sara Ahmed	Green pyrolysis		
Doaa Abdel Salam	Preparing an alternative fuel from plant waste	Prof. Dr. Lamia Adnan Sersam	5
Khansa Khalaf	Desalination of water using solar energy		
Rushd Muhammad Mohsen	Converting the split cooling system to operate with DC current using a solar cell		



Abdul Hamid Mohsen	Methods of obtaining thin films of semiconductors to manufacture solar cells	M.SC. The praise of Yaqoub Youssef	6
Saba Ghanem	Cesium is the active ingredient		
aya thair	Polonium energy and its future directions		
Mustafa Salem	The most radioactive metal on Earth (radium)	Dr. Hazem Saleh Ahmed	7
teba asel	Designing a system to examine solar cells and measure their efficiency		
Doaa Khalil	Design a medium-sized solar cell and calculate its efficiency		
Muhammad Muayyad Dhunoun	Hybrid renewable energy systems (solar + hydro)	Dr. Saad Fadel Mahmoud	8
Walaa Hussein Nasser	Transparent solar cells		
Sarah Saad Gerges	Nano technologies for energy production		
Zahra Mahmoud Khalaf	Calculating the solar radiation falling on the horizontal surface of the city of Mosul	Dr. Ghada Ghanem Younis	9
Adam Sabri Majeed	Recycling tires to manufacture a solar dryer		
nabaa Moataz Khaled	The effect of wind turbine size on its performance in the city of Mosul		
Munmen Mossa	Recycling and modification of polymeric waste	Dr. Hamid Abdullah Saleh	10
Sarah Dawood	Recycling paper waste		
Sarah Nashwan	Recycling and modification of Sawdust		
Ali Hathban	Hydropower and climate change mitigation	Dr. maad salam younis	11
Nour Thaer	Study and analysis of solar adsorption cooling machine		
Hassan Rafid	Solar and wind energy		
azhar Nizar Idris	Manufacturing a home solar cell to generate electricity from damaged devices	Dr. Ibtisam Yahya Abdullah	12



ghania Akram Salem	Renewable energy in an easy and freeway from LED lamp		
Riyad Ali Hassan	Generating free electricity from our daily movements		
Hanan Jamal	Preparing thin films in the semiconductor CdSe and studying its optical properties	Dr. Muhammad Mahmoud Younis	13
sama saeed	Design and construction of an incubator that runs on solar energy		
Saad Allah Nasrallah	Parabolic trough Classification of large solar systems and study of the Parabolic trough system		
Nour Abdul Jabbar	Another sun	M.SC. Zahraa Badi Ibrahim	14
Basma Bassam	Wind Energy		
Rahma Abbas	A study of the deposition techniques used in the manufacture of solar cells and the construction of a thin film of semiconductor MnS	M.SC. Rana Hisham Mahmoud	15
teba Salem	X-ray and scanning electron microscope		
Muhammad Maan	Solar thermal (steam) power plants	M.SC. Doaa Hassan Yahya	16
zainab ramzi	Hydrogen fuel cells		
jamal sulaiman	Osmotic energy (blue energy)	M.SC. Zainab Walid Majid	17
mohammed abd almunaim	Getting rid of water pollutants by adsorption		