Projects of graduation of the Renewable Energy Department 2023-2024

Student	Project	Staff	ت
Bunian Maqdad	Blue energy	Asim Ahmed Issa	1
Gaith Azher	Confocal solar system		
Hussam Hashim	Polymer solar cells	Alaa Ismail Ayoub	2
Abeer Mohamed	Heating based on solar eenrgy		
Modaa Zakaria	Irrigating one dunum with electricity using solar cells (off-grid)	Bashir Khalil Ahmed Hassan	3
Rahma Ahmed	Rationalizing energy consumption using double thermal insulation	Lubna Abdel Aziz Saleh	4
Wasan Ayad	Production of insulators from asphalt conversion with renewable material waste		
Mahmood Salih	Recycling laser discs and using them to build a solar cell	Lamia Adnan Sarsam	5
Hana Yarub	Using dyes in solar cell design		
Shahid Yasen	Rhodium and its relationship to renewable energy	Thanaa Yaqoub Youssef	6
Ahila Saad	Americium and its future directions		
Ahmed Jamal	Perovskite solar cells	Hazem Saleh Ahmed	7
Abdul Alhakim MArwan	Preparation of thin films of ZnTe compound		
Monthir Khalid	Irrigating crops using solar energy and using artificial intelligence to determine soil moisture levels	Saad Fadel Mahmoud	8
Noor Yasir	Thermal insulation in buildings to save energy		

Ali Abdulsalam	Design a grid-connected system to supply the renewable energy department with electrical energy .using PV software	Ghada Ghanem Younes	**9**
Nour Jalaluddin Ali	Determine the size of the solar heater		
Ali Mahmood	Technologies used in treating gases produced by biomass incinerators	Hamed Abdullah Saleh	**10**
Omar Adnan	A study on the materials and minerals used in the construction of biomass incinerators		
Othman Nathim	Biomass incinerator design technology		
Ahmed Yakub	Design of a self-generating hydroelectric system	Mead Salim Yunus	**11**
Abeer Thamer	Solar heaters and traditional heaters: a comparative study		
Alfaruq Hasan	Manufacture of smart shoes that generate electrical energy while walking	Ibtisam Yahya Abdullah	**12**
Rahma Saad	Manufacturing a car powered by solar cells		
AbulAlraoof Abdul Albari	Manufacture of a solar-powered electric car equipped with sensors to avoid collisions with barriers		
Naba Zyad	An electric car based on clean energy and achieving the principle of sustainable development		
Abrahim Bashar	Properties of pervoskite solar cells	Muhammad Mahmoud Younis	**13**
Hasna Ayad	Deposition of thin films of zinc sulfide		
Firdus Bakir	Preparing bio-alcohol from sugar waste for homes		
Qufran Imad	Solar-powered irrigation	Zahraa Badie Ibrahim	**14**

Mariam Laith	MLP neural network applications for solar brightness prediction	Nagham Salem Mohammed	**15**
Mais Ahmed	Wind speed prediction using neural networks		
Ali Awsat	Radioactive waste recycling and disposal methods	Rana Hisham Mahmoud	**16**
Ruqai Abdulhadi	Solar-powered drip irrigation systems	Duaa Hassan Yahya	**17**
Mariam Mohamed	Solar water pumping systems		
Amina Adress	plastic materials	Sarah Khaled Saeed	**18**
Mohamed Nasir	Study of the use of fuzzy logic in charge controller (MPPT)	Zakaria Abdel . Wahid Hamid	**19**
Marwan Isam	Mechanisms for lifting water from low areas to high areas without an electric pump		
Ryan Mohamed	Wind energy	Zainab Walid Majed	**20**
Zina Mustafa	Hybrid solar-wind system	Mustafa Hussein Ibrahim	**21**
Saif Jasim	Hybrid solar-wind system		