



Undergraduate projects of Biology Department 2025-2026



No.	Supervisor name	Student name	Project title
1	Prof.Dr. Yoisef Jabbar Ismael	Safaa Ali Jaffar	Use of Algae in the production of biofuel
2	Prof.Dr. Yoisef Jabbar Ismael	Mariam Yahya Qasim	Environmental sustainability in using algae to treat water pollution.
3	Assist.Prof. Dr. Zeyad Badr Hamad	Salwan Salim Awad	A comparative analytical study of teaching methods used in science education in both Iraq and Finland
4	Prof.Dr. Mohammed Saeed Faisal	Naem Safwan Tawfeeq	The effect of aqueous extracts of yellow corn treated with nano-potassium and salicylic acid under drought stress on wheat seed germination
5	Assit.Prof.Dr. Ibraheem Khalil Ibraheem	Shereen Ahmed Mahmood	The medical importance of Anopheles spp. mosquitoes and methods of controlling them
6	Assist Prof.Dr. Safaa Isamel Rashid	Shahad Marwan Yousef	The role of actinomycetes in sustainable development
7	Lec. Wafaa Esam Abdul-qader	Mohammed Eada Khalaf	The role of the environment and biodiversity in sustainable development
8	Dr.Shymaa Mohammed Hisham	Dalal Nazar Hussein	Using pathogenic fungi in biological pest control
9	Dr.Shymaa Mohammed Hisham	Sukayna Haqi Hussein	Evaluating the effect of plant extracts in controlling agricultural pests as an alternative to chemical pesticides
10	Prof.Dr. Asmaa Abdul-azeez Ali	Zainab Abdul-Azeez Bahjet	Toxoplasmosis



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No.	Supervisor name	Student name	Project title
11	Assit.Prof.Dr. Raad Hassani Sultan	Enas Ahmed Thamir	Bacteria that promote plant growth as a natural sustainable development method
12	Prof.Dr. Shimal Younis Abdul-Hadi	Ohod Slyman Salih	Formulation and evaluation of a night moisturizing cream containing β -glucon polysaccharides extracted from a local isolate of the fungus <i>Ganoderma meredithiae</i>
13	Assit.Prof. Mohammed Zaghlool Saeed	Tuqa Mohammed Abd-Hameed	Virulence factors of <i>Proteus mirabilis</i> and their effect on pathogenicity
14	Assit.Prof.Dr. Muna Omar Mohammed Shehab	Zahraa Shamil Ghanim	Morphological and chemical description of the tomato plant <i>Lycopersicon esculentum</i> and its role in sustainable development
15	Prof.Dr. Marrib Mohammed Ahmed	Najwa Omar Yousef	Level of psychological capital among fourth-year students in the Department of Biology / College of Education for Pure Science
16	Dr.Nawar Talal Hamid	Faisal Khader Joak	The role of bacteria in sustainable development
17	Dr.Nawar Talal Hamid	Naba Hamid Ahmed	Bacteria causing diabetic food infections
18	Dr. Arwa Idrees Ahmed	Ahmed Khaleel Ibraheem	Low egg supply as a cause of infertility
19	Dr. Arwa Idrees Ahmed	Amina Jamal Yassin	Risk factors associated with spontaneous abortion
20	Assist Lec.Ahmed Nabeel Saeed	Dham Farhan Abdulla	The economic importance of root-knot nematode disease on oleander plants and its chemical and biological control in the agricultural fields of Mosul.
21	Assist Lec.Ahmed Nabeel Saeed	Samir Hisham Kasim	The economic importance of maize root rot and its control in the agricultural fields of Mosul
22	Prof.Dr. Najwa Ibraheem Khaleel	Marwan Murad Khadida	Laso peptides as a new generation of antibiotics: A special study on the Lariocidin peptide



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23	Assit.Prof.Dr..Mohammed Abdulla Mahmood	Aya Ismael Ibraheem	Medicinal plants as therapeutic alternatives for pathogenic bacteria
24	Assit.Prof.Dr. Hasan Faisal Hussein	Shahad Dhnon Hussein	Apoptosis (programmed cell death) and its relationship to inflammation
25	Assit .Prof.Dr. Ghazwan Qasim Hasan	Naem Amad Mohammed Ameen	Sustainable genetics
26	Dr. Hanan Ameer Abdulla	Mohammed Qutaiba Moaed	Soil drought and its treatment using various mechanisms to ensure food security and agricultural sustainability
27	Dr. Hanan Ameer Abdulla	Aya Ahmed Abdul-Qader	Treating soil salinity using specific plant species and adaptation mechanisms as sustainable solutions to environmental challenges
28	Assit.Prof.Taghreed Nawaf Ahmed	Doua Abdula Sultan	Plant tissue culture is a smart ecosystem for achieving sustainable development and ensuring food security.
29	Assit.Prof.Taghreed Nawaf Ahmed	Zahraa Shamil Idrees	The importance of tissue culture in producing plant extracts that are medically effective against many diseases.
30	Dr. Dhuha Jasim Mohammed	Aya Rafat Mohammed Noor	Bacteria and vaccine manufacture
31	Dr. Dhuha Jasim Mohammed	Aseel Jalal Taha	Bacteria and vaccine manufacture
32	Assist.Prof.Dr. Baydaa Abdul-aziz Mohammed Salih	Fatima abdel-Raheem Mohammed	The role of leptin hormone in embryonic development and regulation of reproductive tissues in mammals
33	Prof.Dr. Shifa Mahdi Salih	Ahmed Hadhal Ahmed	Sustainable in vitro production of thyme (<i>Thymus vulgaris</i> L)



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34	Assit.Prof.Dr. Younis Sadee Saeed	Fatima Dhia aladeen Mohammed	A study on the mechanism of action of active natural compounds on some types of bacteria
35	Assit.Lec. Suszan Othman Omar	Malika Mohammed Nawaf	Industrial pollution and sustainable factory management
36	Assit.Lec. Ahmed Adeeb Qanbar	Safya Mohamood Hasan	The role of psychological and educational counseling in enhancing the quality of learning from the perspective of students in the Department of Biology
37	Dr. Rafea Qasim Mohammed	Allaa Faris Abeed	The role of symbiotic mycorrhiza fungi in plant growth and productivity within sustainable farming systems
38	Assit.Lec.Aseel Khazil Ali	Alaa Ziad Mohy-Aldeen	Biological activity of bacteria and its applications in sustainable development
39	Assit.Lec.Aseel Khazil Ali	Iqbal Akram Ahmed	The importance of bacterial bacteriophages in combating pathogenic bacteria: a sustainable perspective
40	Assit.Prof.Amal Abdel-ilah Younis	Amina Radhwan Ahmed	Physiological effects of gadolinium on some organs of human
41	Prof.Dr. Qutaiba Shaaib Mohammed Sallih	Shahid Amer Hazim	DNA fingerprinting analysis and its applications in the medical and forensic fields
42	Assist .Lec. Rasha Khatab Omar	Khadim Qadri Ali	Using algae to treat environmental pollution caused by climate change
43	Assit.Prof.Dr. Hanan Sadeq Sadoon	Saja Ghasan Mehdi	Leishmaniasis and the methods used in its diagnosis
44	Dr.Bushra Esam Kamel	Dunia Ahmed Abbas	Soil bacteria and biological control of plant diseases
45	Dr.Bushra Esam Kamel	Zainab Abdel-Sattar Mosa	The role of bacteria in treating hydrocarbon pollution



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46	Dr. Islam Yasir Abdulla	Dalal Mohammed Hussein	Applying nanotechnology in tissue culture to produce high-quality, environmentally sustainable plants
47	Dr. Islam Yasir Abdulla	Hanen Sultan Mohamood	Tissue culture as a tool for achieving sustainable agriculture in composite family plants
48	Dr. Noor Amir Mohammed Ali	Hiam Ali Hussein	Mushrooms as a green way to manage plastic waste within the Sustainable Development Goals
49	Dr. Noor Amir Mohammed Ali	Mays Taha Fathi	The role of mushroom fungi in achieving sustainable development through the removal of heavy metals from the environment
50	Assist. Prof. Farah Sobhi Salih	Dhuha Abdulla Noah	Biodegradation of agricultural waste and its role in producing sustainable organic fertilizer
51	Assist. Prof. Farah Sobhi Salih	Marwa Jooma Salih	Water peace (scientific innovation in the service of sustainable development)
52	Dr. Noor Nabeel Yaha	Katreen Ismael Ali	Anatomical classification of the leaves of some citrus species Rutaceae citrus L.
53	Dr. Noor Nabeel Yaha	Jian Sofok Abdulla	A comparative study of the chemical properties of the leaves of some citrus species Rutaceae citrus L.
54	Dr. Taha Abdel-Wahab Khamees	Amer Faihan Ahmed	The potential of microalgae is a pioneering path towards achieving the Sustainable Development Goals.
55	Prof. Dr. Ameer Mahmood Taha	Azad Ziad Kro	Histological structure and functional role of the ophyte in birds
56	Assit. Lec. Maha Falah Ramzi	Ghanya Abdul-Razaq Mahmood	Biofuel from microalgae as a sustainable alternative to fossil fuels



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57	Dr. Azhar Younis Redha	Khalid Farhan Ibraheem	Groundwater and its sustainable impact on agricultural production
58	Dr. Azhar Younis Redha	Estbarq Khalid Hasan	Assessing microplastic pollution in water and its impact on achieving the Sustainable Development Goals
59	Asssit.Prof.Dr. Bushra Dalli Hamad	Afrah Mohammed Yaseen	Evaluation of cytokine patterns in immunocompromised patients with opportunistic bacterial infections and conventional and alternative treatment methods
60	Lec.Ekhlal Khalifa Hamid	Widad Taha Salih	Anatomical and histological study of the digestive system in three types of vertebrates
61	Lec.Ekhlal Khalifa Hamid	Sham Mohammed Ahmed	Effect of passive smoking on kidney histological structure in Swiss mice
62	Prof.Dr. Mira Ausama Ahmed	Asawer Taha Hasan	Hydroponic algae farming of plants is an application of sustainable development.
63	Assist.Prof.Dr. Mohammed Abdelilah Mohammed	Manar Yassir Ibraheem	Studying the effect of antibiotics on pathogenic bacteria
64	Dr. Semaah Ahmed Baker	Saja Fathi Alawai	Pathological histological changes caused by methylmercury in some organs
65	Dr. Semaah Ahmed Baker	Esraa Fathi Majeed	The protective role of turmeric and ginger extracts in reducing tissue damage caused by chemical drugs
66	Lec.Shereen Yassin Qasim	Noor Jasim Mohammed	Histological study of the effect of passive smoking on the nervous system tissues of mice
67	Asssit.Prof.Dr. Raghad Mohammed Abdulla	Hanen Mohammed Mari	Propagation of medicinal plants using tissue culture technology and studying its role in achieving sustainable development goals
68	Asssit.Prof.Dr. Ibraheem Faris Ali	Samar Ali Salih	Autophagy protein Atg8 as a novel target for anti-Toxoplasmosis drugs using molecular docking technology



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69	Dr.Rana Khalid Ahmed	Sara Yassir Ghanim	Microbiology and its role in sustainable development
70	Dr.Rana Khalid Ahmed	Ehod Saliman Salih	The role of biotechnology in our sustainable future
71	Assit.Lec. Hiba Ammar Mahmood	Hussein Mohammed Ahmed	Watercress as a sustainable source of bioactive compounds and its role in the pharmaceutical and environmental industries
72	Dr. Yousra Abdul-Razaq Abdulla	Aya Amajd Yassin	Methods for preventing and diagnosing hospital-acquired infections
73	Dr. Yousra Abdul-Razaq Abdulla	Tabarq Ayad Abdul-Motelb	Biological activity of nanomaterials against pathogenic bacteria
74	Dr. Huda Saber Khalaf	Alaa Ali Mahmood	The relationship between blood groups and clotting time and bleeding time
75	Dr. Huda Saber Khalaf	Nibras Karim Ahmed	The relationship between blood groups and clotting time and bleeding time
76	Assit.Lec. Bashar Rasim Karim	Mohja Abdelaziz Khader	The effect of dexamethasone on the histological structure of the thymus gland
77	Assit.Prof.Dr. Snabel Abdel-Monem Abel-Majeed	Aya Ahmed Abdel-Salam	Diseases of the Digestive System
78	Prof.Dr. Hussein Saber Mohammed Ali	Zahraa Shamil Qasim	Sustainable environment
79	Assit.Prof.Dr. Mohammed Arfat Mohammed	Maria Mohsen Mohammed	The most important types of bacteria that cause pneumonia
80	Lec. Tamara Waleed Jihad	Malak Jasim Mohammed	The role of motilin and melatonin and their relationship to some biochemical variables in the serum of patients with gallstones
81	Lec. Tamara Waleed Jihad	Zeina Mohammed Omar	The relationship between estrogen levels, vitamin D3, and certain minerals in postmenopausal women



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82	Assist.Pof.Dr. Mohammed Younis Ahmed	Shirzad Barak Jolii	The effect of the autoimmune disease systemic lupus erythematosus on some body systems
83	Assit.Prof.Dr. Omar Abdulaziz Ahmed	Jumana Zainal Mohamed	Studying the molecular structure and function of biomolecules in living organisms
84	Assit.Prof.Dr. Omar Abdulaziz Ahmed	Aya Farhan Salih	Studying the effect of nanoparticles on bacterial growth and activity
85	Dr.Rabeea Hazim Mohammed	Ameera Adnan Amer	Using artificial intelligence to analyze histopathology images in the early diagnosis of diseases
86	Dr.Rabeea Hazim Mohammed	Noor Alhuda Shaker Mohammad	Using artificial intelligence to analyze histopathology images in the early diagnosis of diseases
87	Assit.Prof.Dr. Safaa Mohammed Mahmood	Ammar Hamid Abdulla	Regeneration between invertebrates and vertebrates
88	Assist.Prof.Dr. Raghad Nawaf Jijrees	Naji Hussein Hadir	Cyanobacteria and their biological applications
89	Assist.Prof.Dr. Raghad Nawaf Jijrees	Dunia Yousif Mohammed	Bioproduction of bacterial pigments and their biological applications
90	Dr. Abdulla Talal Sultan	Aya Ziad Fatah Allah	Metabolic syndrome and its effect on the tissue structure of the brain and pancreas
91	Dr. Abdulla Talal Sultan	Teba Falah Hasan	Oxidative stress and histological changes in the liver
92	Assit.Lec.Rulla Saadallah Najim	Shymaa Hazim Alawy	The effect of micro- and nano-plastics on some functional variables of the liver



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93	Prof.Dr. Wafaa Mohamood Younis	Nada Abdel Karim Dubo	Level of awareness among students in the Department of Life Sciences at the College of Education for Pure Sciences regarding the requirements of sustainable development
94	Assit.Prof.Dr. Zina Wajeih Hameed	Zainab Mohammed Sharif	The role of fungi in biofuel production
95	Assit.Prof.Dr. Zina Wajeih Hameed	Hanaa Abed Mahysen	The role of fungi in biological control
96	Assit.Lec. Yathrib Mashallah Hamid	Jihan Bahjet Abdel- Raheem	The relationship between toxoplasmosis infection and recurrent miscarriages in women
97	Assit.Prof.Dr. Fawz Abdulsalam Khaleel	Lozena Ajaj Samo	Environmental and economic impact of using nitrogen-fixing bacteria within sustainable agriculture strategies
98	Dr. Riadh Khalaf Faris	Amera Nabeel Mohammed	Liver Cancer
99	Dr. Riadh Khalaf Faris	Shahad Mohammed Yousef	Skin Cancer
100	Assit.Lec. Zubida Mohamood Salih	Kathreen Bashar Yohanna	Using algae as a biofertilizer to promote sustainable development in agricultural systems
101	Assit.Lec. Zahraa Hazim Dhanoon	Rahma Hamza Abbas	Respiratory infections and the bacteria that cause them
102	Lec. Esraa Nidhal Hussein	Sossan Mohammed	Active compounds extracted from cyanobacteria



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103	Assit. Prof.Dr. Zain Alabadin Hamza Abbas	Omima Basman Salah	Fresh water alagae
104	Dr. Omaima Adel Najim	Khalaf Khadida Khalaf	The spread of intestinal parasites in Nineveh Governorate
105	Dr. Omaima Adel Najim	Alaa Luay Saber	The spread of intestinal parasites in Nineveh Governorate
106	Dr. Suhyla Yakob Yousef	Tais Mahmood Khalil	Host immune response against Cryptospridium spp. infection
107	Dr. Suhyla Yakob Yousef	Esraa Ahmed Thanoon	The effect of the human immune response against infection with the liver fluke Fasciola hepatica



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