



**Published researches in international and local journals
Department of Biology 2021-2022**

Article title	Lecturer name	Scientific title	Type of Research	Publication year	Journal title
Fungal conservation in Arab countries	Dr. Shimal Y. Abdulhadi (Co-author)	Professor	Claravate	2021	Microbial Biosystems
Host Stress Signals Stimulate Pneumococcal Transition from Colonization to Dissemination into the Lungs	Dr. Bushra Shlla (Co-author)	Lecturer	Scopus	2021	mBio
The Rgg1518 transcriptional regulator is a necessary facet of sugar metabolism and virulence in <i>Streptococcus pneumoniae</i>	Dr. Bushra Shlla (Co-author)	Lecturer	Scopus	2021	Molecular Microbiology

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Bacterial co-infection associated with patients suffering from SARS-CoV-2	Dr. Bushra Shlla	Lecturer	Local	2021	Samarra Journal of Pure and Applied Science
Comparison of different tests for the diagnosis of <i>Salmonella typhi</i> in Nineveh Governorate	Dr. Bushra Shlla	Lecturer	Local	2021	Journal of Education and Science
Immunity response of mice infected with laser irradiated protoscoleces of <i>Echinococcus granulosus</i>	Dr. Asmaa Abdul Azeez Ali (Co-author)	Professor	local	2021	Journal of Education and Science
Effect of ultrasound on protoscoleces of <i>Echinococcus granulosus</i> in vitro and in vivo	Dr. Asmaa Abdul Azeez Ali (Co-author)	Professor	Scopus	2021	Iraqi Journal of Veterinary Sciences
Isolation and identification of multi-resistance <i>Stenotrophomonas</i> spp. From pasture and animal pens soils and their role in the transmission of antibiotic resistance	Bushra Esam Aljajani	Lecturer	Scopus	2021	Turkish Journal of Physiotherapy and Rehabilitation

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Effect of boron on some organs of pregnant BALB/c mice	Dr. Baidaa Abdul Aziz Mohammed Salah	Assistant Professor	Scopus	2021	Iraqi Journal of Veterinary Sciences
Histopathological and some biochemical effects of platinum drug on the liver and kidney of pregnant mice Mus musculus and their embryos	Dr. Baidaa Abdul Aziz Mohammed Salah	Assistant Professor	Scopus	2021	Iraqi Journal of Veterinary Sciences
	Dr. Hanan Saadeeq Saadoon	Lecturer			
Effect of soil treatment with heavy metals on the concentration of Na, K, and Cl in the shoot and root parts of fenugreek and spinach plants	Dr. Hussein Saber Mohammed Ali	Professor	Scopus	2021	AIP conference series

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Role of Ascorbic Acid in Reducing the Harmful Effects of Sodium Chloride in <i>Triticum aestivum</i> L. and <i>Trigonella foenum-graecum</i> L. Plants	Hanan Ameer Abdullah	Lecturer	Scopus	2021	Egyptian Journal of Botany
	Dr. Mohammed Saeed Faisal	Professor			
	Dr. Hussein Saber Mohammed Ali	Professor			
THE EFFECT OF SOIL TREATMENT WITH HEAVY METALS ON THE CONCENTRATION OF CALCIUM, MAGNESIUM, CADMIUM, AND COPPER IN THE FENUGREEK AND SPINACH PLANTS	Dr. Hussein Saber Mohammed Ali (Co-author)	Professor	Scopus	2021	Pollution research

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The effect of soil pollution with oils used in motors and generators on <i>Spinacia oleracea</i> and <i>Beta vulgaris</i> var. <i>cilca</i> plants	Dr. Hussein Saber Mohammed Ali	Professor	Scopus	2021	Review of International Geographical Education
The physiological response of mint plant (<i>Mentha spicata</i>) growing with soil contaminated with heavy metals	Dr. Hussein Saber Mohammed Ali	Professor	Scopus	2021	Sys Rev Pharm
The Relationship Between The Habits Of Mind And Achievement In Biology Among Female Students Fifth Grade Biology In The City Of Mosul	Dr. Amal Fattah Zidan Al-Abayji (Co-author)	Assistant Prof.	Local	2021	Basic Science Journal
	Dr. Shafa Mahdi Saleh	Assistant Prof.			
The Thinking Concept which depend on the two sides of the brain and its relationship to the habits of the mind among fifth-biological grade students, in the city of Mosul	Dr. Amal Fattah Zidan Al-Abayji (Co-author)	Assistant Prof.	Local	2021	College of Basic Education Research Journal
	Dr. Shifaa Mahdi Salih	Assistant Prof.			

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Investigation of Important Fatty Acids in Biofuel Production From Number of Microalgae	Dr. Taha Abdulwahhab Khamees	Lecturer	Local	2021	Journal of Education and Science
	Dr. Yousef Jabbar Ismaeel	Professor			
	Dr. Qutaiba Shuaib Mohammed Salih	Professor			
Screening of Some Algal Oils to Select the Best Algal Biodiesel Resource	Dr. Mira Ausama Ahmed (Co-author)	Assist. Professor	Scopus	2021	Egyptian Journal of Aquatic Biology & Fisheries
Effect of new filtration medias on water quality, biomass, blood parameters and plasma biochemistry of common carp (<i>Cyprinus Carpio</i>) in RAS	Dr. Mira Ausama Ahmed (Co-author)	Assist. Professor	Scopus	2021	Aquaculture

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Identification of Phytochemicals of <i>Phoenix dactylifera</i> L. Cv Ajwa with UHPLC-ESI-QTOF-MS/MS	Dr. Omaila Adil Najm (Co-author)	Lecturer	Scopus	2021	International Journal of Fruit Science
Purified Pyocyanin from Clinical Isolates of <i>Pseudomonas aeruginosa</i> Enhances Antibiotic Sensitivity Against Some Pathogenic Bacteria	Dr. Hasan Faisal Hussein (Co-author)	Lecturer	Scopus	2021	Indian Journal of Forensic Medicine & Toxicology
Serological study of TORCH complex in pregnant women with an obstetric history in Mosul city, Iraq	Dr. Hasan Faisal Hussein (Co-author)	Lecturer	Scopus	2021	Current Trends in Immunology
Numerical Taxonomy of the Apple and Pear Cultivars cultivated in north of Iraq	Dr. Aamer Mohsen Mahmood	Assist. Professor	International	2021	Review of International Geographical Education online
	Dr. Muna Omar Mohammed	Lecturer			

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Identification Of Some Olive (Olea Europaea L.) Cultivars Cultivated In North Of Iraq By Using (RAPD) Markers	Dr. Muna Omar Mohammed (Co-author)	Lecturer	International	2021	Natural Volatiles and Essential Oils
	Dr. Aamer Mohsen Mahmood	Assist. Professor			
Biofilm formation by <i>Candida albicans</i> and <i>Candida glabrata</i> isolated from urine specimens of diabetic Iraqi women	Dr. Rafea Qasim Mohammed (Co-author)	Lecturer	International	2021	Journal of Life and Bio-Sciences Research
Spectrophotometric Determination of Mesalazine by Oxidation and Shortening Using Methyl Orange Dye and Application to Pharmaceutical Preparations	Ahlam Ahmed Shehab (Co-author)	Assistant lecturer	local	2021	College of Basic Education Research Journal
Spectrophotometric Determination of Loperamide Hydrochloride in Pure and Pharmaceutical Dosage Forms Using Oxidative Coupling Reaction	Ahlam Ahmed Shehab (Co-author)	Assistant lecturer	Scopus	2021	Egyptian Journal of Chemistry

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Antimicrobial activity of peptides extracted from camels' blood neutrophils against some pathogenic bacteria	Dr. Mohammed Abdullah Mahmood (Co-author)	lecturer	Scopus	2021	Iraqi Journal of Veterinary Sciences
Resistance of Some Bacteria Isolated from Urinary Tract Infections in Elderly Patients to Antibiotics and Detection of β -lactamases in Them	Dr. Mohammed Abdullah Mahmood (Co-author)	lecturer	Local	2021	Journal of Education and Science
	Alaa Taha Younis	lecturer			
Molecular diagnosis of bacteria <i>Pseudomonas aeruginosa</i> isolated from urinary tract infection in women and detection of virulence factors	Dr. Mohammed Abdullah Mahmood (Co-author)	lecturer	International	2021	International Journal of Multidisciplinary Research and Growth Evaluation
Molecular Classification of <i>Vicia faba</i> L Genotypes by Using RAPD-PCR Markers	Noor Nabeel Yahya (Co-author)	Assist. Lecturer	Scopus	2021	Edelweiss Applied Science and Technology
	Dr. Aamer Mohsen Mahmood	Assist. Professor			

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Identification of Garlic (<i>Allium sativum</i> L.) Cultivars by using Morphological and Chemical Characters	Noor Nabeel Yahya (Co-author)	Assist. Lecturer	International	2021	Natural Volatiles and Essential Oils
	Dr. Aamer Mohsen Mahmood	Assist. Professor			
	Dr. Ameer M. Taha	Professor			
Histopathological Changes Induced by Monosodium Glutamate and Sodium Nitrite in the Development of Eye in Albino Mice <i>Mus musculus</i>	Dr. Sanabel abd almonum abd almajeed (Co-author)	Lecturer	Local	2021	Journal of Education and Science

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Histopathological changes that induced by Monsodium glutamate and Sodium nitrite on the eyes of white mice Mus musculus and the protective role of Grape seeds oil	Dr.Sanabel abd almonum abd almajeed (Co-author)	Lecturer	Local	2021	Journal of Education and Science
Isolation And Identification Of Paenibacillus Bacteria By Biochemical Tests And Molecular Techniques	Dr. Rana Khalid Ahmed AL-Tareea , (Co-author)	Lecturer	International	2021	Natural Volatiles and Essential Oils
	Dr. Najwa Ibraheem Khaleel Albarhawi	Assist. Professor			
Exo- Polysaccharides and his role symbiotic relationship between Rhizobium and leguminous plants: A review article	Taghreed Nawaf Ahmed	Lecturer	International	2021	Journal of Genetic and Environmental Resources Conservation
	Islam Yaser Abdullah	Lecturer			
	Dr. Raghad Nawaf Jerjees	Assistant Professor			

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ESTIMATION OF PROTEIN CONTENT, OIL RATIO AND SOME FATTY ACIDS IN SEEDS, PARTS AND CALLUS OF RADISH	Taghreed Nawaf Ahmed	Lecturer	International	2021	Plant Cell Biotechnology and Molecular Biology
	Islam Yaser Abdullah	Lecturer			
Histopathological Effects of Cadmium Chloride on the Kidney in Japanese Quail	Dr. Ameer M. Taha (Co-author)	Professor	International	2021	International Journal of Scientific Research in Biological Sciences
Acute Effect of Cadmium Chloride on the Histological Structure of Liver in Japanese Quail <i>Coturnix coturnix japonica</i>	Dr. Ameer M. Taha (Co-author)	Professor	International	2021	International Journal of Scientific Research in Biological Sciences

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Comparative histological and histochemical study of the ileum in two different birds	Dr. Ameer M. Taha	Professor	Scopus	2021	Iraqi Journal of Veterinary Sciences
Histological Effect of Lead Chloride on The Brain of Gambusia Affinis	Dr. Ameer M. Taha	Professor	Scopus	2021	Journal of Physics: Conference series
	Dr. Amaal Abdulilah Younis	Lecturer			
The Histological and Histochemical Structure of the Rectum in the Cockatiel	Dr. Ameer M. Taha (Co-author)	Professor	Scopus	2021	Annals of R.S.C.B
Anatomical and histological structure of the cornea in Sparrow hawk Accipiter nisus	Dr. Ameer M. Taha (Co-author)	Professor	Scopus	2021	Iraqi Journal of Veterinary Sciences

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Histological and Histochemical features of the jejunum in wild Turkey Meleagris Gallopavo (Linnaeus, 1758)	Dr. Ameer M. Taha (Co-author)	Professor	Scopus	2021	J Morphol Sci
Application weight mathematical model (WQI) to assess water quality for irrigation: A case study of Tigris river in Nineveh governorate	Dr. Abdulazeez Younis Taleea	Professor	Scopus	2021	IOP conference series: Earth and Environmental Science
	Reem Adnan Abdulrazzaq	Lecturer			
<i>In Silico</i> Screening for Inhibitors Targeting 4-diphosphocytidyl-2-C-methyl-D-erythritol Kinase in <i>Salmonella typhimurium</i>	Mohammed Zaghlool Saeed	Lecturer	Scopus	2021	Jordan Journal of Biological Sciences
Identification of some fatty acids and the compound Cucurbitacin in oil extract of some parts and callus of <i>Cucurbita maxima</i>	Islam Yaser Abdullah (Co-author)	Lecturer	Local	2021	College of Basic Education Research Journal

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Histological culture of Cucurbita maxima and selection of suitable media for induction of callus cultures from seedling members	Islam Yaser Abdullah (Co-author)	Lecturer	Local	2021	College of Basic Education Research Journal
BIOLOGICAL ACTIVITY OF Rhizobium LIPO-POLYSACCHARIDES: A REVIEW ARTICLE	Dr. Raghad Nawaf Jerjees	Assist. Professor	Local	2021	Mesopotamia journal of Agriculture
	Dr. Najwa Ibrahim Khaleel	Assist. Professor			
	Dr. Shimal Younis Abdulhadi	Professor			
Isolation, Characterization and Optimization of Wild Type Sinorhizobium meliloti to Produce High Concentrations of Indole Acetic Acid	Dr. Najwa Ibrahim Khaleel (Co-author)	Assist. Professor	Scopus	2021	Iraqi Journal of Science
Natural anthocyanin dye is comparable to chemical dyes	Dr. Najwa Ibrahim Khaleel (Co-author)	Assist. Professor	Arabic	2021	Arabian Journal of Scientific Research

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Antimicrobial Activity of Some Complexes of Zr (IV) and Cd (II) with Benzaldazine Derivatives on Growth of Some Pathogenic Bacteria	Dr. Najwa Ibrahim Khaleel (Co-author)	Assist. Professor	local	2021	Journal of Education and Science
Molecular diagnosis of rhizobia isolated from the root of some leguminous plants	Dr. Najwa Ibrahim Khaleel	Assist. Professor	local	2021	Journal of Education and Science
	Dr.Mohammed Adelilah Mohammed	Lecturer	Local	2021	
Determination of the efficiency of the type Sinorhizobium meliloti L the formation of root nodules on different Medicago sativa varieties	Dr. Najwa Ibrahim Khaleel (Co-author)	Assist. Professor	local	2021	Journal of Education and Science
	Dr. Raghad Nawaf Jerjees	Assist. Professor			

Article title	Lecturer name	Scientific title	Type of Research	Publication year	Journal title
Study the effect of gamma ray on silver nanoparticles prepared by pulse laser ablation in liquid technique (PLAL)	Dr. Najwa Ibrahim Khaleel (Co-author)	Assist. Professor	local	2021	Journal of Education and Science
Biochemical study of alkaline phosphatase in <i>Escherichia coli</i>	Dr. Najwa Ibrahim Khaleel	Assist. Professor	Scopus	2021	Journal Of Physics: Conference series
Health effects of nitrate concentrations in the groundwater of Al-Manara village, north-east of Mosul city, Iraq	Dr. Abdulazeez Younis Taleea (Co-author)	Professor	International	2021	Science Archives
Assessment of drinking water quality using the NSFQI model between source and consumer in Mosul city, Iraq	Dr. Abdulazeez Younis Taleea (Co-author)	Professor	International	2021	Science Archives
	Dr. Yousef Jabbar Ismaeel	Professor			

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Assessment of the quality of groundwater in the Lower Sherikhan area, Nineveh Governorate for irrigation purposes using the pollution index model (Pij)	Dr. Abdulazeez Younis Taleea (Co-author)	Professor	International	2021	International Journal of Advanced Research in Science, Engineering and Technology
Qualitative assessment of groundwater for livestock and poultry watering: A case study of water wells in Hamdaniya district, Nineveh governorate, Iraq	Dr. Abdulazeez Younis Taleea (Co-author)	Professor	Scopus	2021	IOP conference series: Earth and Environmental Science
Assessment of groundwater quality using CCME water quality index in Caracosh district, northeastern of Mosul city, Iraq.	Dr. Abdulazeez Younis Taleea (Co-author)	Professor	Scopus	2021	Journal of Physics: Conference series

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Arabidopsis thaliana L. Seeds are A novel source of somatic embryos	Dr. Rasha Fawzi Abdoulrazzaq	Lecturer	Scopus	2021	Journal of Physics: conference series
	Dr. Shafaa Mahdi Salih	Assist. Professor			
Thidiazuron Induced Plant Regeneration Via Organogenesis And Somatic Embryogenesis In Broccoli Brassica Oleracea Var. Italica	Raghad Mohammed Abdulla	Lecturer	International	2021	Natural Volatiles and Essential oils
	Dr. Shafaa Mahdi Salih	Assist. Professor			
	Dr. Qutaiba Shuaib Mohammed Salih	Assist. Professor			