



University : University of Babylon  
 Country : Iraq  
 Web Address : <https://www.uobabylon.edu.iq/> ; <https://en.uobabylon.edu.iq/>

### Total research funds dedicated to sustainability research

Journal Title	Research Title
Fabrication of ( PVAA ) Blend-Extracts of Plants Bio-Composites and Studying Their Structural , Electrical and Optical Properties For Humidity Sensors Applications	American Scientific Publishers
Fabrication of New Nanocomposites: CMC-PAA-Pbo2 Nanoparticles for Piezoelectric Sensors and Gamma Radiation Shications	American Scientific Publishers
Measurement the concentration of radon gas emitted From infant Powdered Milk Consumed in Iraq nuclear track deteector CR-39	Journal of Chemical and pharmaceutical Sciences
Equilibrium , isotherms and thermodynamic studies of congo red adsorption onto <i>Ceratophyllum Demersum</i>	Journal of Chemical Technology
Bioremediation of total petroleum hydrocarbons using cotton plant ( <i>Gossypium hirsutum</i> ) and applying augmentation teqnique by inoculation With <i>pseudomonas aeruginosa</i> and <i>penicillium expansum</i>	Journal of Chemtech Research
Community Structure of Benthic Algae In A Lotic Ecosystem , Karbala Province-Iraq	Baghdad Science Journal
Purification of aqueous solutions malachite green by using cardamom seeds shells	Journal homepage
Adsorption of methylene blue dye from aqueous solution by using some plants material	Journal homepage
Physical and chemical modification of <i>Alhagi maurorum</i> Waste for enhancement removal safranin-O from aqueous solution Alaa R.Omran	Journal homepage
Reuse of Ca- alginate and	

Polyurethane From immobilized <i>Rhodococcus pyridivorans</i> GM3 for Pheol degradation	
The effectiveness of integrating of integrating the exclusion of sustainable development with the content of chemistry in the achievement of students in the second grade and their environmental awareness	Journal of basic education for educational and psychological sciences – University of Babylon
The effect of Sevenfold Learning Course in the Acquisition of the chemical concepts for the female student of the fifth scientific branch and in the improving their tendency toward the lesson	Journal of the Faculty of Basic Education for Educational Sciences and Humanities / University of Babylon
Effects of topik herbicides and soil salinity on the population of bacteria <i>Nitrosomonas</i> و <i>Nitrobacter</i> for different soil texture	Al - Furat Journal of Agricultural Sciences
Safe management for hazardous waste , (22/2/2018), science Faculty	
Renewable energy in Iraq (16/1/2018) , science Faculty	
Environmental impacts and its effects on the Iraqi Environment . (21/6/2018) , science Faculty	
Evaluation of Air Pollution Tolerance Index (APTI) by two species of terrestrial plants in some stations within Babylon Province, Iraq	
Anatomical variation of some halophytes from different sites in Babylon Provinus ,Iraq	
Some effects of treated wastewater of hilla textile factory on four species of cultivated plants	
Ecological study on <i>Aeluropus lagopoides</i> & <i>Juncus acutus</i> in different regions within Babylon Province/Iraq.	
Photocatalytic Degradation of Monoazo Dye in Ethanol using Zinc Oxide in Ultra-Violet Radiation	<i>Asian Journal of Chemistry</i>
Transportation of Different Therapeutic Classes of	

Pharmaceuticals to the Surface Water, Sewage Treatment Plant, and Hospital Samples, Malaysia	
Estimation the photo activity of antimony tri oxide using Safranin-O dye and ultraviolet lamp	Journal of Chemical and Pharmaceutical Sciences
Photo Catalytic Removal of Paraquat Dichloride Herbicide in Aqueous Solutions by Using TiO <sub>2</sub> Nanoparticle	Journal of Global Pharmacy Technology
Removal of Azo carmine G dye from aqueous solutions by employing Aluminum oxide	Journal of Chemical and Pharmaceutical Sciences
Removal of malachite green dye using sensitized antimony tri oxide and ultra-violet radiation	Journal of Chemical and Pharmaceutical Sciences
Determination of Benzene in Iraqi Soft Drinks	Journal of Global Pharma Technology
Kinetics and equilibrium study for the adsorption of textile dyes on coconut shell activated carbon	<a href="#">Arabian Journal of Chemistry</a>
Removal Bismarck Brown G dye from Aqueous Solution Over a Composite of Triazole-Polyvinyl Chloride Polymer and Zinc Oxide	ORIENTAL JOURNAL OF CHEMISTRY
Hydrocarbon potential of the Sargelu Formation, North Iraq	Arabian Journal of Geosciences
Oil and gas play and prospect assessments of Babel, Diwania and Karbala Governorates (Middle Euphrates Region), Iraq	Arabian Journal of Geosciences
photocatalytic degradation of phenol using TiO <sub>2</sub> /Active carbon	Asian Journal of Chemistry
Effective of different factors on trace elements concentrations in Iraqi lactating mother milk	International Journal of PharmTech Research
Identification of five newly described bioactive chemical compounds in methanolic extract of Mentha viridis by using gas chromatography - mass spectrometry (GC-MS)	Journal of Pharmacognosy and Phytotherapy
Silodosin inhibits the growth of bladder cancer cells and enhances the cytotoxic activity of cisplatin	American journal of cancer research

via ELK1 inactivation	
Preparation of Azo dye and study of the photo activity of zinc oxide	Journal of Chemical and Pharmaceutical Sciences
Determination of Vitamin C(ascorbic acid) Contents in various fruit and vegetable by UV-spectrophotometry and titration methods	Journal of Chemical and Pharmaceutical Sciences
Diagnostic study of otomycosis in Hilla city/Iraq	International Journal of PharmTech Research
Acute Toxicity of Food additives Tartrazine and carmoisine on white male Mice	International Journal of PharmTech Research
Some Heavy Metals Concentrations in Tumor Tissue	International Journal of ChemTech Research
Physiological and Anatomical Study of the Effect of Aqueous Rice Husk Extract on Triticum aestivum Germination and Growth.	Research Journal of Pharmaceutical, Biological and Chemical Sciences
Determination of Escherichia coli Phylogenetic Group Isolated from Women with Vaginitis in Hilla City, Iraq.	Research Journal of Pharmaceutical, Biological and Chemical Sciences
Synthesis and Characterization of New Prodrug Polymers and Study of Their Biological Activity	International Journal of ChemTech Research
Effect of Lipopolysaccharide extracted from Escherichia coli on the growth and development of promastigote of Leishmania tropica (In vitro study)	International Journal of PharmTech Research
Green Synthesis of Reduced Graphene Oxide-Silver Nanoparticles Using Environmentally Friendly L-arginine for H <sub>2</sub> O <sub>2</sub> Detection	ECS Journal of Solid State Science and Technology
Anti-bacterial, Antifungal Activity and Chemical Analysis of Punica grantanum (Pomegranate peel) Using GC-MS and FTIR Spectroscopy	International Journal of Pharmacognosy and Phytochemical Research
Using Stripping Voltammetry to Determine Heavy Metals in Cooking Spices Used in Iraq	Polish Journal of Environmental Studies
Evaluation of Antifungal and Antibacterial Activity and Analysis of Bioactive Phytochemical Compounds of Cinnamomum zeylanicum (Cinnamon bark) using Gas Chromatography-Mass Spectrometry	ORIENTAL JOURNAL OF CHEMISTRY
Study effects of plant extracts from Conocarpus erectus and Myrtus communis on the growth	International Journal of PharmTech Research

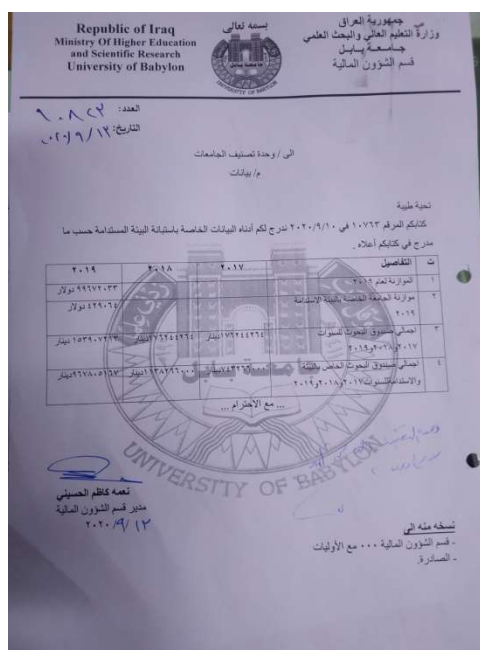
of some fungi isolated from different types of insects	
study of Temperature effect on refractive indices for ( 5PCH) liquid crystals	International Journal of ChemTech Research
A Chemical composition of Halophyte plant Frankenia pulverulenta L. (Frankeniaceae) in Iraq depending on GC-MS and FT-IR techniques	Journal of Chemical and Pharmaceutical Sciences
Study the Effects of Two Types of Microbial Disinfectants on Contamination of Dental Unit Water Lines	Research Journal of Pharmacy and Technology
Antimicrobial Effect of the Crude Phenolic, Alkaloid and Terpenoid Compounds Extracts of Myrtus Communis L. against Human Gram-Negative Pathogenic Bacteria	Journal of Global Pharma Technology
The Effect of Two Types of Nano-Particles (ZnO & SiO <sub>2</sub> ) on Different Types of Bacterial Growth	Biomedical & Pharmacology Journal
Environmental Impact of Pharmaceuticals and Personal Care Products	Journal of Global Pharma Technology
Effectiveness of Aqueous extract of Green, Black and Red Tea Leaves against some types of Gram positive and negative bacteria	Research Journal of Pharmacy and Technology
Conocarpus erectus Leaf Extract for Green Synthesis of Silver Nanoparticles and Their Antibacterial Activity	Indones. J. Chem.
Biological Activity of Cefotaxime Sodium and their Complexes with Iron and Copper Metals	Journal of Pharmaceutical Science and Research
Synthesis and Characterizations of Reduced Graphene Oxide / Iron Oxide : as a Model of Water Treatment	International Journal of Applied Engineering Research
The Effect of Seed Priming with Salicylic Acid and Ascorbic Acid on Viability of Local Okra (Abelmoschus Esculentus L.) Seeds Stored for Three Years	Journal of Global Pharma Technology
Environmental Impact of Pharmaceuticals and Personal Care Products	Journal of Global Pharma Technology
Determination the type and factors of domestic violence against woman in the Hilla population	Research Journal of Pharmacy and Technology
Biosorbent Sewage Sludge for	International Journal of Applied

Removing Basic Dye from Aqueous Solutions	Engineering Research
Antimicrobial, Antioxidant, Hemolytic, Anti-anxiety, and Antihypertensive activity of Passiflora species	Research Journal of Pharmacy and Technology
Characterization of Antibacterial and Antifungal Metabolites Produced by <i>Macrophomia phaseolus</i> and Analysis of Its Chemical Compounds Using GC-MS	Indian Journal of Public Health Research and Development
Study the Effect of the Particle Size of the Scattering Centers in Each of Linear and Non-Linear Optical Properties for the Laser Random Media	Journal of Engineering and Applied Sciences
Antimicrobial and Bacteriological Study for Men Patients with Respiratory Disorder Diseases	Journal of Global Pharma Technology
Investigation Biomedical Corrosion of Implant Alloys in Physiological Environment	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)
Study some mechanical properties of self-compacting concrete with nano silica under severe saline environment conditions	The 3rd International Conference on Buildings, Construction and Environmental Engineering, BCEE3-2017
Biotechnology and Biochemical Analysis Techniques to isolate Vanillin derivatives for Plum Fruit Tree (I)	Journal of Physics: Conf. Series
The Evaluation of Crude oil leakage effect on Water quality	International Journal of ChemTech Research
Spectrophotometric Determination of Copper (II) by using Amoxicillin Drug as Reagent	Journal of Global Pharma Technology
Performance Assessment of AL-Hussein City Water Treatment Plant In Holly Karbala Governorate(HCWTP) By Statistical Program	Journal of Babylon University\Engineering Science
Determination of humoral and cellular immune response at systemic and mucosal levels in rabbits after intranasal administration of heat killed <i>H.pylori</i> antigen	AL-Kufa University Journal for Biology
Chemical Analysis and Biological Activities of <i>Salvia Lavandulifolia</i> Vahl.Essential Oil	Journal of Biology,Agriculture and healthcare
The Lapin Immune Associated with intramuscular injection of heat killed <i>helicobacter pylori</i>	Journal of Babylon University\Pure and Applied Sciences
Study of heavy metals and their effects on Oxidant\Antioxidant	

status in Workers of fuel station in Hilla city-Iraq	
Impact of Bleeding Discovers:Hemophilia AB and C on Dental Hygiene in a Sample of Children in Hilla city	Journal of Babylon University\Pure and Applied Sciences
Assessment of urban structure for the holy city of al-najaf in light of sustainability	Journal of Babylon University\Engineering Science
Improvement CBR of Gypseous soil by Geogrid under soaking candition	Journal of Babylon University\Engineering Science
Study of the engineering properties of dunes field at AL-Najaf governorate-Middle of Iraq	Journal of Babylon University\Pure and Applied Sciences
Antigiardial Activity of Garlic( <i>Allium Sativum</i> )on whitemice	Journal of Babylon University\Pure and Applied Sciences
Production and purification of peroxidase from <i>aspergillus niger</i>	Journal of Babylon University\Pure and Applied Sciences
Medical image denoising using Adaptive spatial domain schemes with additive noise	Journal of Babylon University\Pure and Applied Sciences
Determination of serum trace elements and hematological parameters lumphoma patients receving chemotherapy	Journal of Babylon University\Pure and Applied Sciences
Bacterial isolation and physiological Aspects inpatients with burn in Al-Hilla city	Journal of Babylon University\Pure and Applied Sciences
Study on Diabetes mellitus and balance os electrolytes	Journal of Babylon University\Pure and Applied Sciences
Clinical correlation and immunological study about th1 cytokines profile in patients with alopecia areata	Journal of Babylon University\Pure and Applied Sciences
A study on the antiy cancer activity of cyperus rotundus plant extracts	Journal of Babylon University\Pure and Applied Sciences
Anti-oxidant and anti-cancer effects of brassica oleracea plant extracts on two type of cancer cells	Journal of Babylon University\Pure and Applied Sciences
Overlap of vitamin D and cholesterol,triglyceride and high density lipoprotein in prostate cancer patients(with metabolic syndrome	Journal of Babylon University\Pure and Applied Sciences
Doxorubicin induced nephrotoxicity:protective effect of rosmary leaves	Journal of Babylon University\Pure and Applied Sciences

	Anti-fungal activity of lectin isolated from whole body of <i>fasciola gigantica</i> (cobbolod,1856)	Journal of Babylon University\Pure and Applied Sciences	
University of Babylon, Iraq			

Most of the above papers were not funded directly by the university due to the economic crisis in the region. University of Babylon spent about 53803 US Dollars in 2017-2018 academic year as fund for total research.



According to the annual financial report of the university of Babylon, the headletter attached above issued by the Department of Financial Affairs at the University of Babylon with no. 10823 and dated 13/9/2020 stated that the Total research funds dedicated to sustainability research in Iraqi Dinar:

In 2017 = 743,266,000 ID = 61.938 US\$

In 2018 = 1,138,266,000 ID = 948.555 US\$

In 2019 = 967,805,167 ID = 806.504 US\$

Then , the average per annum over the last 3 years = 605.665 US\$