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### Biotechnology

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[ResearchGate](#)



Publications	Year
Immobilization of L-asparaginase on Gold Nanoparticles for Novel Drug Delivery Approach as Anti-Cancer Agent Against Human Breast Carcinoma Cells AG Al-Dulimi, AZ Al-Saffar, GM Sulaiman, KAA Khalil, KS Khashan, ... Journal of Materials Research and Technology	2020
Evaluation of In vivo and In vitro protective effects of quercetin on Lipopolysaccharide-induced Inflammation and Cytotoxicology ZA Al-Kubaisi, HS Al-Shmgani, MJ Salman Research Journal of Pharmacy and Technology 13 (8), 3897-3902	2020
In vivo and in vitro Evaluation of the Protective Effects of Hesperidin in Lipopolysaccharide-Induced Inflammation and Cytotoxicity of Cell R Al-Rikabi, H Al-Shmgani, YH Dewir, S El-Hendawy Molecules 25 (3), 478	2020
DESIGN, SYNTHESIS, DOCKING, ANTITUMOR SCREENING, AND ABSORPTION, DISTRIBUTION, METABOLISM, AND EXCRETION PREDICTION OF NEW HESPERDIN DERIVATIVE OOE Hanady Al-Shmgani, Raied Mustafa Shakir, Ahmed W Naser Asian J Pharm Clin Res 13 (1), 24-31	2020
Protective Effects of Quercetin on Lipopolysaccharide-Induced Inflammation and Lipid Peroxidation in BALB/c Male Mice ZA Al-kubaisi, HS Al-Shmgani Journal of Pharmaceutical Sciences and Research 11 (2), 429-433	2019

Publications	Year
Phytochemical analysis, cytotoxicity and antioxidant activity of cuckoo pint ( <i>Arum maculatum</i> ) leaf extract HSA Al-Shmgani, ZHM Kadri, MMF Al-Halbosi, YH Dewir Acta Biologica Szegediensis 63 (2), 119-124	2019
Pathological And immunological study on infection with escherichia coli in ale balb/c mice IH Ali, MS Jabir, HSA Al-Shmgani, GM Sulaiman, AH Sadoon Journal of Physics: Conference Series 1003 (1), 012009	2018
Evaluation of hesperidin protective effect on lipopolysaccharide-induced inflammation and lipid peroxidation in BALB/c male mice RH Al-Rikabi, HS Al-Shmgani Research Journal of Pharmacy and Technology 11 (12), 5369-5372	2018
Biosynthesis of silver nanoparticles from <i>Catharanthus roseus</i> leaf extract and assessing their antioxidant, antimicrobial, and wound-healing activities HSA Al-Shmgani, WH Mohammed, GM Sulaiman, AH Saadoon Artificial cells, nanomedicine, and biotechnology 45 (6), 1234-1240	2017
Cytarabine Induced Reproductive Histopathological Changes in Albino Male Mice NA Ibrahim, RM Ibrahim Journal of Biotechnology Research Center 11 (1), 6-12	2017
Protective role of lettuce ( <i>Lactuca sativa</i> L.) on ethanol alcohol consumption in male reproductive Swiss mice AMH Hanady S. Al-Shmgani*, Zahraa Hussein M. Kadri IIOABJ 8 (4), 62-66	2017
Ethyl alcohol induced pathological changes in male reproductive system of albino rats GA Al-Bairuty, HS Al-Shmgani, MN Taha International Journal for Sciences and Technology 143 (4093), 1-5	2016
Effect of photosynthetic photon flux density on growth, photosynthetic competence and antioxidant enzymes activity during ex vitro acclimatization of <i>Dieffenbachia</i> cultivars ME El-Mahrouk, YH Dewir, HN Murthy, HZ Rihan, HS Al-Shmgani, ... Plant Growth Regulation 79 (1), 29-37	2016
HEPATOTOXICITY EVALUATION OF METHANOL LEAVES EXTRACT OF ARUM MACULATUM HSAS Zahraa Hussein M Kadri* , Niran A Ibrahim IIOABJ 7 (1), 435-440	2016

**Publications****Year**

- Molybdenum application enhances antioxidant enzyme activity and COR15a protein expression under cold stress in wheat  
M Al-Issawi, HZ Rihan, H Al-Shmgani, MP Fuller  
Journal of Plant Interactions 11 (1), 5-10  
2016
- Photosynthetic and biochemical characterization of in vitro-derived African violet (*Saintpaulia ionantha* H. Wendl) plants to ex vitro conditions  
YH Dewir, MES El-Mahrouk, HS Al-Shmgani, HZ Rihan, ...  
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- Effects of hyperoxia on the permeability of 16 HBE 14o-cell monolayers—the protective role of antioxidant vitamins E and C  
HS Al-Shmgani, RM Moate, PD Macnaughton, JR Sneyd, AJ Moody  
The FEBS journal 280 (18), 4512-4521  
2013
- An investigation of the mechanism (s) of hyperoxia-induced ciliary epithelial loss in mammalian bronchial tissue  
H Abd Al-Sahib  
University of Plymouth  
2013
- Hyperoxia-induced ciliary loss and oxidative damage in an in vitro bovine model: the protective role of antioxidant vitamins E and C  
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Biochemical and Biophysical Research Communications 429 (3-4), 191-196  
2012
- Hyperoxia mediates barrier permeability dysfunction in 16HBE140-cells  
H Al-Shmgani, J Moody, R Sneyd, R Moate  
European Respiratory Journal 40 (Suppl 56), P3772  
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