

CONTENTS

Original Articles

- 475 - 481 Harvesting of *Scenedesmus obliquus* by Bioflocculation: Appropriate Chitosan Concentrations with Various pH Values at Different Growth Stages
Ibrahim A. Matter, Osama M. Darwesh and Mohamed F. Eida
- 483 - 488 The Impact of the Complexity of Cystic Fibrosis in Jordanian Patients on the Spectrum of Cystic Fibrosis Transmembrane Conductance Regulator Mutations
Mona R. Bustami, Luay F. Abu-Qatouseh, Nagham A. Hussein, Walid S. Aburayyan, Eyad M. Mallah, Raeda W. Khalil and Tawfiq A. Arafat
- 489- 494 *In vitro* Anti-Proliferative Activity of the *Rubia tinctorum* and *Alkanna tinctoria* Root Extracts in Panel of Human Tumor Cell Lines
Luay Rashan, Faruck L. Hakkim, Heinz H. Fiebig, Gerhard Kelter, Irmgard Merfort, Mohammed Al-Buloshi and Sidgi S. A. Hasson
- 495 - 498 Phytochemical Screening: Antioxidant and Antibacterial Activities of *Verbena supina* L. Aqueous, Hexane and Methanol Extracts
Khalid A. Shadid
- 499 - 510 The Efficacy of Photosensitizers on Mycelium Growth, Mycotoxin and Enzyme Activity of *Alternaria* spp.
Kholoud M. Alananbeh, Nahla A. BouQellah, Mashaal R. Al Harbi and Salama A. Ouf
- 511 - 515 The Efficacy of the Plant Extracts of *Afrostryax kamerunensis*, *Monodora myristica*, *Moringa oleifera* and *Azadirachta indica* against the Infestation of the Leather Beetle, *Dermestes maculatus* De Geer in Smoked African Mud Catfish, *Clarias gariepinus* Burchell
Luke C. Nwosu, Okechukwu A. Obi, Vivian A. Azoro, Sunday A. Dialoke, Adiya E. Onah, Usman Zakka, Owolabi M. Azeez, Akubuike N. Eluwa, Uloma A. Azuine, Kalu U. Ukpai, Temitope E. Arotolu, Isiaka A. Lawal, Gerald M. Ugagu, Onyekachi A. Uwalaka, Godfrey M. Petgrave, Robert U. Obilo and Uwaoma O. Aguwa
- 517 - 525 Mitigation of Alpha-Cypermethrin-Induced Hepatotoxicity in Rats by *Tribulus terrestris* Rich in Antioxidant Compounds
Sami I. Ali, Alaa A. Gaafar, Amr A. Abdallah, Sherien M. El-Daly, Mona El-Bana, and Jihan Hussein
- 527 - 531 Investigating the Antibacterial Potential of Ethanolic and Methanolic Extracts of the *Schinus molle* L Tree
Reham W. Tahtamouni
- 533 - 536 Morphometric and Meristic Characteristics of *Salmostoma bacaila* (Hamilton, 1822) (Cyprinidae) from the Ganges River in Northwestern Bangladesh
Most. Farida Parvin, Md. Yeamin Hossain, Most. Shakila Sarmin, Dalia Khatun, Md. Aatur Rahman, Obaidur Rahman, Md. Akhtarul Islam and Wasim Sabbir
- 537 - 540 Seroprevalence of *Toxoplasma gondii* in Cancer Patients Admitted to Hospitals of the Royal Medical Services in Jordan
Nawal S. Hijawi, Mutaz J. Al-Khreisat, Omar M. Abuysman, Ali M. Abdelfattah, Eman M. Rababah, Mohammad A. W. Al-Tamimi, Mahmoud A. Al-Hiari³, and AbdelRahman M. Zueter
- 541 - 548 A Comparison of the Biological Activities of Citrus sudachi Hort. ex Shirai Peels Grown in Japan and Korea
Masaya Nakamura, Jong-Hwan Ra, Ha-Rim Cheon, Sang-Heon Han, and Ju-Sung Kim
- 549 - 555 Immunological Influences of Experimental Aflatoxicosis in Broilers and the Protective Role of Mannan Oligosaccharides
Alaa E. H. Mustafa, Hesham A. Sultan, Mona A. Elshabrawy, Mohammad E. Abd Elghany, Ashraf S. Hakim and Doaa D. Khalaf
- 557 - 562 Screening Wild and Mutant Strains of *Aspergillus flavus* and *Aspergillus niger* Isolated from Plantain Stalks for Amylase Production
Oluwatoyin F. Olukunle and Oluwadamilola E. Ajayi

- 563 - 570 Additive Effects of Physical Exercise and Environmental Enrichment in Attenuating Alterations in the Hippocampal Neuronal Morphology of Adult Wistar Rats Induced by Prenatal Inflammations
Thangarajan Rajesh, Ramesh R Tantradi, Kiranmai S Rai, Sivakumar Gopalakrishnan, R Huban Thomas and Anjaneyulu Konuri
- 571 - 575 The Fumigant Toxicity of *Syzygium aromaticum* and *Cymbopogon citratus* Oils on Selected Life Stages of *Tribolium castaneum* (Coleoptera: Tenebrionidae)
Olufunmilayo E. Ajayi, Seun O. Oladipupo and Tolulope B. Ojo
- 577 - 583 Single Nucleotide Polymorphisms in *TLR4* Gene and Endometritis Resistance in River Buffalo (*Bubalus bubalis*)
Noha M. Osman, Ahlam A. Abou Mossallem, Fawzy R. El Seedy and Eman R. Mahfouz
- 585 - 590 Spermatogenesis and Steroidogenesis Functions of Rat Testis Following Exposure to *Alafia barteri* Leaf Extracts
Sunday A. Adelakun, Babatunde Ogunlade and Olusegun D. Omotoso

Short Communication

- 591 - 595 Differential Gene Expression of Durum Wheat (*Triticum turgidum* L. var. durum) in Relation to Genotypic Variation under NaCl Salinity Stress
Nidal Odat