

CONTENTS

Original Articles

- 389 - 396 Metabolism and Antifungal Activity of Coumarin and its Derivatives
Luisa M. Castaño, José E. Cuellar, Jesús H. Gil , Diego L. Durango
- 397 - 412 Inhibition of IgE and IgG1 expression in BALB/c mice and clionasterol potential bioactivity evaluation in *Dioscorea alata* extract, in vivo and in silico studies
Sri Nabawiyati Nurul Makiyah, Sri Tasminatun, Muhammad Sasmito Djati, Muhamaimin Rifa'i, Widodo
- 413 - 422 Evaluation of the Potential of Immobilized Cyanide-Degrading Bacteria for the Bioremediation of Cassava Mill Effluent
Ajao, Abdullahi Taiwo, Jimoh-Hamza, Oluwabukola Kudirat, Aborisade, Wakili Tope and Jimoh, Fausat Abimbola
- 423 - 433 The Anti-angiogenic Potential of Thiosemicarbazide Derivative of Captopril (8) in Breast Cancer Cell Lines
Baan. M. AL-Jasani, Hayder. B. Sahib and Hiba. N. Al-Saad
- 435 - 442 Grape Seed Extract Enhances Antioxidant Capacity and Attenuates the Ochratoxin A-Induced Genotoxicity and Oxidative Stress in Albino Rats
Shenouda M. Gergis, Mahrousa M. Hassanane, and Somaia A. Nada
- 443 - 452 Protective Properties of Milk Thistle in Aquaculture: A Study on its Role in Mitigating Supricide-Induced Stress in Fish
Raid Al-Jawasreh, Tariq Al-Najjar, Giovanni Rizzato, Gabriele Capodaglio, and Mohammad Wahsha
- 453 - 462 Anti Ovarian and Cervical Cancer Potential of *Tamarindus Indica* Leaf Ethanol Crude Extract and Its Bioactive Fraction, Apigenin
Shirisha Rao and Varalakshmi Kilingar Nadumane
- 463 – 470 Antimicrobial, Antibiofilm and Antioxidant Properties of Algerian *Satureja graeca* L. Against Human Pathogens
Mouna Menakh, Saber Boutella, Amar Zellagui, Ozgur Ceylan , Mehmet Öztürk , Chawki Bensouici
- 471 – 480 The Evaluation of the Antifungal activity of Chitosan Nanomolecules laden with *Trichoderma harzianum* Extract on *Fusarium oxysporum* f.sp. *lycopersici*
Rasha Khalid Hussein AL-Masoudi, Neamat J. AL Judy
- 481 – 486 Evaluation of Liver Antioxidants in an induced Oxidative Stress in Albino Rat Model
Mohammad Abu-Lubad, Yaseen T. Al Qaisi, Ahmad Z. Alsarayreh, Mathhar Ahmad Abu Murad, Hussam Alshraideh
- 487 – 494 Prevalence of Anemia Among Patients with Subclinical and Clinical Hypothyroidism in Jordan
Nada H. Al-Madanat, Manal A. Abbas
- 495 – 505 Biological Diversity of Seawater Microalgae Isolated from Ujung Genteng Sukabumi and Their Novel Genomic DNA Isolation Technique
Miftahul Huda Fendiyanto, Ence Darmo Jaya Supena, Iin Eka Sari, Mentari Putri Pratami, Rizky Dwi Satrio, Isna Arofatur Nikmah
- 507 – 512 *Chiliadenus montanus* (Vahl.) Brullo which grows wild in the Jordanian environment shows distinguished Terpinen-4-ol levels and antibacterial powers
Reham W. Tahtamouni, Rida A. Shibli, Tamara S. Al- Qudah, Hanan Azzam and Sobhia Saifan
- 513 - 522 Genetic diversity of Bottle gourd (*Lagenaria siceraria* (Molina) Standl.) landraces in Jordan assessed by Agro-morphological traits and Inter Simple Sequence Repeat markers
Wesam Al Khateeb, Azhar Ananzeh, Muhammad Alu'datt, Mohammad Brake
- 523 – 529 Diagnostic Screening for Microdeletion Frequency in the AZF-region of Y- Chromosome among the Emirati Infertile Males
Ferdos Ebrahim and Ihsan Ali Mahasneh, PhD, Professor

- 531 – 540 Production, Characterization and Enhancement of Biopolymer Levan from *Lactobacillus fermentum* SHN1
Hiba A. Jasim, Safaa A. A. S. Al-Qaysi , Nadhem H. Haydar
- 541 – 548 Antiproliferative Effect of *Entada rheedii* Crude Lectin Extract on Human Colorectal Cancer Cells
Amruta Sridhara, Dhrithi J. Mallur and Reshma S.V.
- 549 – 554 The significance of FEV1 and FEV1/FVC in COPD diagnosis
Arwa I Rawashdeh
- 555 – 560 Assessment of Hepato-Renal Functions and Markers of Oxidative Stress in Animals Exposed to Ionic Contrast Media
Anaka Okonkwo, Ngozi Rosemary Njeze, Kenechukwu Chibuike Onyekwelu , Chigozie Peace Okorie, Nonso Collins Ejiofor, Joy Ebele Ikekpeazu
- 561 – 573 Oat Crown Rust in Jordan: A Comprehensive Survey and Analysis
Mohammad Asad Ibrahim, Kholoud M. Alananbeh , Yahia Othman, Muhamnad Massadeh, Riyadh Muhaidat
- 575 – 581 The Effect of Stressful Conditions on Biochemical and Hematological Parameters Among University Students
Rahaf. M. Al-Zubaidi , Husni. S. Farah , Khaled. A. Ahmed , Esam. Y. Qnais , Sana. M. Audeh, Mahmoud .S. Abu-Samak