

CONTENTS

Original Articles

- 413 - 418 Evaluation of Pre-treatment Methods and Anaerobic Co-digestions of Recalcitrant Melanised Chicken Feather Wastes with other Wastes for Improved Methane and Electrical Energy Production
Ibrahim Yusuf, Kubra I. Arzai, and Abdulwahid S. Dayyab
- 419 - 429 Characterization of Egyptian durum Wheat Genotypes using Biochemical and Molecular Markers
Samira A. Osman and Walaa A. Ramadan
- 431 - 435 Heat Exposure Affects the mRNA Levels of Antioxidant Enzymes in Embryonic and Adult Broiler Chickens
Amneh H. Tarkhan, Khaled M. M. Saleh and Mohammad B. Al-Zghoul
- 437 - 439 Diet Composition and Prey Selection in the Long-eared Owl, *Asio otus* in Jordan: the Importance of Urban Avifauna
Mohammad A. Abu Baker, Ratib M. Al-Ouran and Zuhair S. Amr
- 441 - 451 Genetic Characterization of Algerian Minor Date Palms (*Phoenix dactylifera* L.) Cultivated in the Oases of Biskra using Nuclear Microsatellite Markers
Ahmed Simozrag and Ziane Laiadi
- 453 - 461 Selenium-Supplemented Diet Influences Histological Features of Liver and Kidney in Tilapia (*Oreochromis niloticus*)
Sonia Iqbal, Usman Atique, Muhammad Sharif Mughal, Muhammad Younus, Muhammad Kamran Rafique, Muhammad Sultan Haider, Hafiza Sundas Iqbal, Shahid Sherzada and Tanveer Ali Khan
- 463 - 468 Inclusion of *Myrmecodia pendens* bulb Extract in the Diet Stimulates Immune Response in *Clarias gariepinus* against *Aeromonas hydrophila*
Rudy A. Nugroho, Yanti P. Sari and Esti H. Hardi
- 469 - 474 *In vitro* Antibacterial Activity of Cell Free Fermentation Supernatant of *Passiflora edulis* forma *flavicarpa* Sims. Fruit Fermented by de Man, Rogosa and Sharp Media
Safarini Marwah, Iif H. Rosyidah, Ni M. Mertaniasih, Muhammad N.S.B. Hamzah, Kholis A. Novianti, Riesta Primaharinastiti, Dian Rahmawaty and Isnaeni Isnaeni
- 475 - 482 Prevalence of Capsular Polysaccharide Genes and Antibiotic Resistance Pattern of *Klebsiella pneumoniae* in Palestine
Ghaleb M. Adwan, Dina M. Owda and Awni A. Abu-Hijleh
- 483 - 492 Prediction of Protein Secondary Structure from Amino Acid Sequences by Integrating Fuzzy, Random Forest and Feature Vector Methodologies
Sivagnanam R. Mani Sekhar, Siddesh G. Matt and Sunilkumar S Manvi
- 493 - 498 Biogenic Silver Nanoparticle Synthesis, Characterization and its Antibacterial activity against Leather Deteriorates
Savita Kate, Madhuri Sahasrabudhe and Archana Pethe
- 499 - 508 Pollen Morphological Variations among some Cultivated *Citrus* species and its Related Genera in Egypt
Wafaa K. Taia, Manaser M. Ibrahim and Mahmoud Abdel-Sattar
- 509 - 518 Direct Somatic Embryogenesis and Regeneration of an Indonesian orchid *Phalaenopsis amabilis* (L.) Blume under a Variety of Plant Growth Regulators, Light Regime, and Organic Substances
Windi Mose, Budi Setiadi Daryono, Ari Indrianto, Aziz Purwantoro and Endang Semiarti
- 519 - 523 Estradiol Affects Ultimobranchial Gland of a Freshwater Catfish, *Heteropneustes fossilis* kept in Different Calcium Environments
Susmita Srivastav, Diwakar Mishra, Sunil K. Srivastav, Nobuo Suzuki and Ajai K. Srivastav
- 525 - 533 Antioxidants Released from *Cichorium pumilum* Jacq. Amendment Mitigate Salinity Stress in Maize
Nadia M El-Shafey and Hamada R AbdElgawad

- 535 – 541 Molecular Identification and Characterization of Parrotfish species from the Farasan Islands, Red Sea-Saudi Arabia
Mohamed M. Hassan , Ayman Sabry and Mohamed Ismail
- 543 – 550 Fungal Endophytes from *Tabernaemontana heyneana* Wall. (Apocynaceae), their Molecular Characterization, L-asparaginase and Antioxidant Activities
Naguvanahally S. Bhavana, Harischandra S. Prakash and Monnanda S. Nalini
- 551 – 557 Responses of *Lantana Camara* Linn. Callus Cultures to Heavy Metals Added to the Culture Media
Reham W. Tahtamouni , Rida A. A .Shibli, Laila S.Younes , Saida Abu-Mallouh and Tamara S. Al-Qudah
- 559 – 565 Synthesis and Characterization of Zinc Nanoparticles by Natural Organic Compounds Extracted from Licorice Root and their Influence on Germination of *Sorghum bicolor* Seeds
Mahmoud A. S. Al-Shaheen, Mustafa N. Owaid and Rasim F. Muslim
- 567 - 574 Assessment of Antimicrobial and Anticancer Activity of Radish Sprouts Extracts
Mahmoud Khalid, Reem Ayayda, Nameer Gheith, Zaidoun Salah, Saleh Abu-Lafi, Amal Jaber, Fuad Al-Rimawi and Ghassab Al-Mazaideh