

CONTENTS

Original Articles

- 347 – 352 Molecular Evaluation of *Cordyline fruticosa* (L.) A.Chev. Behavior Affected by Different Chemical Mutagens
Eman Tawfik and Mohamed Fathy Ahmed
- 353 – 359 Evaluation of the Genetic Diversity of Antibiotic-Resistant *Klebsiella Pneumoniae* Isolated from Diarrheal Humans and Poultry using Multilocus Sequence Typing
Shaimaa Obaid Hasson and Wala Farhan Obaid
- 361 – 364 Prokaryotic Expression of Murine Cellular Prion Protein for in Vitro Evaluation
Hoang-Anh Le-Dao, Yen-Vy Le-Nguyen, Hieu Tran-Van
- 365 – 372 Impact of Diabetic Retinopathy on Vulnerability of Atherosclerosis in Type 1 Diabetes: the Role of Lipid Ratios as a Metabolic Biomarker
Walid Hassene Hamri, Mustapha Diaf, Noria Harir
- 373 – 380 Biological Control of Tomato Damping-off and Potato Black Scurf by Seed Treatment with *Trichoderma harzianum*
Naffaa Walid, Lubana Al-Jaramany, Ahed Elbenay, Reema Al-Mhethawi
- 381 – 386 Bioconversion of Pear Pomace by Strains of *Pleurotus Ostreatus* During Mycelial Development
María B. Buglione, Marta S. Agüero, Daniel A. Martínez, Marcela V. Filippi, Jorge F. Maldonado, Gustavo E. Rodríguez
- 387 – 394 DNA Paternity Testing with Two Mismatches: Our Experience
Belma Jusic, Amela Pilav, Mirela Dzehverovic, Jasmina Cakar
- 395 – 404 Imaging Aspects (Chest Radiographic and CT Scan Findings) of COVID-19 with Clinical Classifications
Ammar A. Oglat, Mohammad A. Oqlat, Ahmad A. Oqlat, Lo'ai Alanagreh, Pegah Moradi Khaniabadi, Mohammed Ali Dheyab, Hawraa Khaleel, Omar Althalji
- 405 – 411 Understanding the Medicinal Prospects of Methanolic Extract from a Recently Explored Mushroom of Tribal Delicacy
Somanjana Khatua, Krishnendu Acharya
- 413 – 421 A Pilot Study: Ground and Aqueous Extract of *Leptadenia Pyrotechnica* Modulate the Immune System Affecting White Blood Cell Counts and Increasing Red Blood Cell Counts
Sawsan H. Mahassni, Bushra S. Alsahafi
- 423 – 429 Role of IFN- γ , TNF- α , IL-6 and C-Reactive Protein in Newly Diagnosed Iraqi Corona Patients
Israa Qusay Falih, Noor Thair Tahir, Mithal R. Alkubaisi
- 431 – 440 In-silico Genome Editing Identification and Functional Protein Change of *Chlamydomonas reinhardtii* Acetyl-CoA Carboxylase (CrACCase)
Mentari Putri Pratami, Miftahul Huda Fendiyanto, Rizky Dwi Satrio, Isna Arofatur Nikmah, Mo Awwanah, Nadya Farah, Nastiti Intan Permata Sari, Nurhadiyanta
- 441 – 448 Potential for Crude Oil and Diesel Biodegradation by the Indigenous *Pseudomonas* sp. Strain LGMS7 Using GC-MS and GC-FID Analyses
Abdelkrim Chaida, Farid Bensalah1, Belhadj Trari
- 449 – 456 Preliminary Studies on the Potential Antioxidant and Antidiabetic Activities of *Sargassum polycystum* C. Agardh (Phaeophyceae, Ochrophyta)
Eldrin DLR. Arguelles
- 457 – 461 Biodegradation of Doxycycline Hyclate by Local *Purpureocillium lilacinum* strain PIHN17 and *Trichoderma asperellum* isolate Tullur: Monitoring by Antimicrobial Activity.
Fathin Fashihah Kamaruddin, Maslinda Musa, Mohd Muzamir Mahat, Shahrul Hisham Zainal Ariffin, Muhd Fauzi Safian and Zaidah Zainal Ariffin
- 463 – 467 Utility of SPC25 as a Biological Biomarker in Colorectal Adenocarcinoma
AbdulFattah Salah Fararjeh

- 469 – 473 Modeling and Allometric Analysis of two Butterfly Species of the Genus *Colotis*
Ali Elkarmi and Lina Shaheen
Evaluation of Coffee Pulp Waste from Coffee Cultivation Areas in Indonesia as
Iron Booster
- 475 – 488 *Roy Hendroko Setyobudi, Manar Fayiz Mousa Atoum, Damat Damat, Erkata Yandri, Yogo
Adi Nugroho, Mardiana Sri Susanti, Satriyo Krido Wahono, Wahyu Widodo, Lili Zalizar,
Ahmad Wahyudi, Elfi Anis Saati, M. Maftuchah, Zahid Hussain, Dwi Yono, Soni Sisbudi
Harsono, Rangga Kala Mahaswa, Herry Susanto, Praptiningsih Gamawati Adinurani, Ida
Ekawati, Ahmad Fauzi, and Susi Mindarti*
- 489 – 500 Intraspecific Identity of the Wild *Brassica nigra* (L.) Koch. Using Morphological,
Cytogenetics and Molecular (Nuclear and Chloroplast) Approaches
Wafaa M. Amer, Mahmoud A. Shoukamy, Hadeer D. Abd El-Baset and Ahmed M. Faried
- 501 – 509 Molecular Genetic Identificatin of Plants of the Genus *Artemisia* L. Growing in
Southern Regions of Kazakhstan
*Zhanar Rakhimberdiyeva, Anar Kaliyeva, Ahmet Aksoy, Bekbossyn Kassymbayev, Galiya
Medeuova*
- 511 – 522 Response Surface Method for Optimizing the Biosynthesis of Silver Nanoparticles
Using *Talaromyces stipitatus* and Their Antimicrobial Activity
Nada M. Elmayah, Amira A. El-Fallal, Mohamed I. Abou-Dobara, Mahmoud E. Khalifa
- 523 -529 Anti-malarial Effect of *Momordica charantia* Involved Modulation of Cytokine
Mediated via GSK3 β Inhibition in *Plasmodium berghei*- Infected Mice
Mayada Hussain Ali, Izyanti Ibrahim, Malina Jasamai, Noor Embi, Hasidah Sidek

Short Communication

- 531 -535 Assessing Factors that Shape Neonatal Gut Microbiota in Erbil Province /Iraq
Muayad Ahmed Mahmud