

CONTENTS

Original Articles

- 383 - 388 Molecular Characteristic of *Fusarium oxysporum* from Different Altitudes in East Java, Indonesia
Henik Sukorini , Erfan Dani Septia, Lili Zalizar and Netmapis Khewkhom
- 389 - 393 The Characteristics and Predicted of Glycemic Index of Rice Analogue from Modified Arrowroot Starch (*Maranta arundinaceae* L.)
Damat Damat , Roy Hendroko Setyobudi, Joko Susilo Utomo, Zane Vincēviča-Gaile, Anas Tain and Devi Dwi Siskawardani
- 395 - 401 Genotype Distribution and Prevalence of Human Papillomavirus Among Russian Women in Rostov, Southern Federal District of Russia
Abbas Hadi AlBosale , Konstantin Alekseevich Kovalenko, Elena Vladimirovna Mashkina
- 403 - 412 Production of Chemotherapeutic Agent L-asparaginase from Gamma-Irradiated *Pseudomonas aeruginosa* WCHPA075019.
Amany, B. Abd El-Aziz; Wesam, A. Hassanein; Zakaria, A. Mattar; and Rabab, A. El-Didamony
- 413 - 416 Parasite Survey in *Rastrelliger brachysoma* (Short Mackerel) from Selected Fish Markets in Zamboanga City, Philippines
Romenick Alejandro Molina
- 417 - 422 Cypermethrin-Induced Alterations in Serum Calcium and Phosphate of Rats: Protective Role of Jamun Seed and Orange Peel Extracts
Babita D. Srivastava, Manish Srivastava, Sunil K. Srivastav , Makoto Urata, Nobuo Suzuki and Ajai K. Srivastav
- 423 - 431 *Acacia auriculiformis* Cunn. Ex Benth As Phytoextraction Agent: A Growth Response, Physiological Tolerance and Lead Removal Capability Evaluation
Abderrahmane Zerkout, Muskhazli Mustafa, Hishamuddin Omar, Mohd Hafiz Ibrahim and Rusea Go
- 433 - 440 Ovicidal, Larvicidal and Pupicidal Efficacy of Crude Methanol and Hexane Extract of *Urtica massaica* Mildbri on *Anopheles gambiae* Giles
Khatoro R.T, Yugi, J.O. and Sudoi V
- 441 - 451 Molecular and Phenotypic Characterization of Novel *Streptomyces* Species Isolated from Kurdistan Soil and its Antibacterial Activity Against Human Pathogens
Bayan Kakamand Jalal, Ayad H. Hasan
- 453 - 461 Phytochemical, Chemical and Biomedical Characterization of Crude Extracts of *Macrosphyra longistyla* (DC.) Hiern
Ernest U. Durugbo , James O. Ogah , Nwankwo Chukwuemeka , Peter G. Sename , Adedayo T. Olukanni , Kafayat O. Yusuf , Isioma C. Awuzie Olumide D. Olukanni , and Simbo O. Aboaba
- 463 - 469 *Vernonia amygdalina* Leaf Extract Abates Oxidative Hepatic Damage and Inflammation Associated with Nitrobenzene in Rats
Johnson O. Oladele , Oyedotun M. Oyeleke, Blessing O. Akindolie, Boyede D. Olowookere , and Oluwaseun T. Oladele
- 471 - 475 AFLP Primer Selection for the Analysis of Genetic Diversity in Persimmon (*Diospyros kaki* L.) Originated From Central and East Java, Indonesia
Marshelina Noor Indah Delfianti, Endang Yuniastuti and Vita Ratri Cahyani
- 477 - 484 Prevalence and Risk Factors Associated with *Aeromonas hydrophila* infection in *Clarias gariepinus* and Pond Water from Fish Farms in Kaduna State, Nigeria.
Deborah A. Adah, Lawal Saidu, Sonnie J. Oniye, Haruna M. Kazeem, Sylvanus A. Adah
- 485 - 491 The Correlation between Excess Weight and Duration of COVID-19 Symptoms in a Tertiary Hospital in Amman, Jordan
Laith Khasawneh , Duaa Shaout, Sara Abu-Ghazal, Tishreen Fazza and Mohammad Abdelmajid
- 493 - 501 Correlation of Chemerin with some Immunological Parameters in Type II Diabetes Mellitus Patients on Hemodialysis in Ramadi General Hospital
Salahaldin M. Fahad , Rashied M. Rashie2, and Waleed N. Jaffal

- 503 - 511 A Review on Reliability and Validity of CRISPR/Cas9 Technology for Gene Editing
Bishnu Dev Das and Niroj Paude
- 513 - 522 Comparative Metabolomics Analysis and Radical Scavenging Activity of *Saraca asoca* (Roxb.) de Wilde Flowers in Different Stages of Maturity
Anindita Hazra, Susmita Das
- 523 - 527 Biocontrol of Sweet Melon Fruit rot Caused by *Fusarium solani* using an Endophytic Fungus Isolated from the Medicinal Plant *Solenostemma arghel*
Fatma F. Abdel-Motaal , Noha M. Kamel, Magdi A. El-Sayed, Mohamed Abou-Ellail
- 529 - 535 *In vivo* Anti-inflammatory Activity of Aqueous Extract of *Carthamus caeruleus L* Rhizome Against Carrageenan-Induced Inflammation in Mice
Amari Nesrine Ouda , Missoun Fatiha , Mansour Sadia , Sekkal Fatima Zohra and Djebli Nouredine
- 537 - 543 Histopathological Alterations in the Gills and Liver of *Clarias Gariepinus* Juveniles Exposed to Acute Concentrations of *Anogeissus Leiocarpus*
Bala Sambo Audu , Idris Audu Wakawa, Omirinde Jamiu Oyewole and Ponwa Zingfa Changdaya
- 545 - 549 The Effects of Olive Mill Wastewater on Soil Microbial Populations
Laith N. AL-Eitan , Rami Q. Alkhatib , Bayen S. Mahawreh , Amneh H. Tarkhan , Hanan I. Malkawi, and Munir J. Rusan
- 551 - 558 Chemical Analysis, Antioxidant, Anti-Alzheimer and Anti-Diabetic Effect of Two Endemic Plants from Algeria: *Lavandula antineae* and *Thymus algeriensis*
Benabdallah Fatima Zohra, Zellagui Amar, Bensouici Chawki
- 559 - 564 Employment of Somatic Embryogenesis as a Tool for Rescuing Imperiled *Narcissus tazetta* L. Growing Wild in Jordanian Environment
Tamara M. Al-Zghoul, Rida A. Shibli , Tamara S. Qudah, Reham W. Tahtamouni, Nasab Rawshdeh
- 565 - 570 Regulation of Leaves Senescence by Virus-Induced Gene Silencing (VIGS) Modus Operandi in Arabidopsis
Allah Jurio Khaskheli , Muhammad Ibrahim Khaskheli, Muharam Ali, Li Zhang, Asad Ali Khaskheli Hai Qing Liu, Muhammad Azeem Khaskheli, Syad Zakir Hussain Shah
- 571 - 579 Environmental Disparity Index (EDI): The New Measurement to Assess Indonesia Environmental Conditions for Supporting Sustainable Development
Fitri Hariyanti, Bektı Indasari, Almasdi Syahza, Zulkarnain, Nofrizal
- 581 - 586 Driving Factor of Consumer Preferences for Food and Beverages Product Enriched with Green Tea Powder
Lucyana Trimo , Yosini Deliana, Sri Fatimah, Mai Fernando Nainggolan, Mohamad Djali
- 587 - 592 Biological Traits of Azotobacter Isolated from Marginal Soils and their Resistance to Tetracycline
Reginawanti Hindersah , Priyanka Asmiran, Etty Pratiwi, Tualar Simarmata
- 599 - 599 Microbes-Coated Urea for Reducing Urea Dose of Strawberry Early Growth in Soilless Media
Reginawanti Hindersah, Indyra Rahmadina, Betty Natalie Fitriatin, Mieke Rochimi Setiawati, Diky Indrawibawa
- 601 – 605 The Role of Rhizobacterial Inoculum and Formulated Soil Amendment in Improving Soil Chemical-Biological Properties, Chlorophyll Content and Agronomic Efficiency of Maize under Marginal Soils
Betty Natalie Fitriatin, Debora Dellaocto Melati Ambarita, Mieke Rochimi Setiawati and Tualar Simarmata
- 607- 611 Efficacy of Combining Hyaluronic Acid and Platelet-Rich Fibrin in Diabetic Foot Ulcer
Ronald W. Kartika, Idrus Alwi, Em Yunir, Sarwono Waspadji, Franciscus D. Suyatna ,Saptawati Bardosono, Suzzana Immanuel , Saleha Sunskar, Jusuf Rachmat , Todung Silalahi , Mirta Hedyati Reksodiputro
- 613 - 620 Healthy-Smart Concept as Standard Design of Kitchen Waste Biogas Digester for Urban Households
Roy Hendroko Setyobudi , Erkata Yandri, Manar Fayiz Mousa Atoum, Syukri Muhammad Nur, Ivar Zekker, Rinaldi Idroes, Trina Ekawati Tallei, Praptiningsih Gamawati Adinurani, Zane Vincēviča-Gaile, Wahyu Widodo, Lili Zalizar, Nguyen Van Minh, Herry Susanto, Rangga Kala Mahaswa, Yogo Adhi Nugroho, Satriyo Krido Wahono, and Zahriah Zahriah