

CONTENTS

- 01-08 **Wanzhe Yuan, Xiuyuan Zhang, Qingan Han and Jiguo Sun**  
Prokaryotic Expression and Purification of Heat-labile Toxin B Subunit Gene and EtpA Adhesion Gene from Enterotoxigenic *Escherichia coli*
- 09-13 **Hong-xiang Zhu, Jiang-ping Qiu, Jin Wang and Xu-dong Li**  
Screening for Terephthalic Acid (TA) Anaerobic Degrading Bacteria
- 15-23 **Haiming Tang, Yilan Xu, Jimin Sun, Xiaoping Xiao, Ke Wang, Weiyan Li, Wenguang Tang and Guangli Yang**  
Soil Enzyme Activities and Soil Microbe Population as Influenced by Long-term Fertilizer Management under An Intensive Cropping System
- 25-35 **Min Shen, Feibao Wang, Daocheng Cheng and Yijun Kang**  
Diversity and Isolation of Culturable ACC Deaminase-Producing Rhizobacteria from the Red-crowned Crane National Nature Reserve, China
- 37-42 **E. Chavez Bravo, G. Valencia Toxqui, J.A. Rivera Tapia, E.I. Castaneda Roldan and A.I.A. Alonso Calderon**  
Decolorization of Azo Dye by Enteropathogenic *Escherichia coli* Strains Isolated from Wastewater
- 43-50 **Liu Zhiwen, Xu Xiaomin, Liao Xingyu, Sun Lu, Zou Dan, Li Dan and Cong Lina**  
Secretion Expression of Recombinant *Stichopus japonicus* Lysozyme in *Bacillus subtilis* WB600
- 51-57 **Maohua Qu, Juan Du, Fengying Zhang, Mingfang He and Weiping Chen**  
Improvement of Trehalose Biosynthesis in *Corynebacterium glutamicum* by a Combination of Conventional Mutagenesis and Analysis of Enzymatic Properties
- 59-67 **O. Romero-Arenas, A. Rivera, A. Aragon, C. Parraguirre, E. Cabrera and F. Lopez**  
Mortality Evaluation of Armyworm (*Spodoptera frugiperda* J. E. Smith) by using *Metarhizium anisopliae* *In vitro*
- 69-75 **Peng Li, Xuefeng Su, Jinbin Wang, Shifang Yang, Guogan Wu, Meifeng Lin, Kai Zhao, Carlos Bezuidenhout and Xueming Tang**  
Comparison of Genomic DNA Extraction Commercial Kits Based on Clayey & Paddy Soils
- 77-85 **Mohamed A. Mahmoud, Mohamed El-Zaidy, Monira R. Al-Othman, Abeer R.M. Abd El-Aziz and Aisha S. Al-Wadai**  
Molecular Characterization of *Aspergillus flavus* Contamination of Barley Grains using RAPD and ISSR
- 87-94 **Francisco J. Rodríguez-Vidal**  
Aquatic Natural Organic Matter (NOM) Removal in Biological Filters
- 95-101 **Yeon-Hee Kim, Jeong Hwan Kim, Hyung-Joo Jin and Si Young Lee**  
Antimicrobial Activity of Ethanol Extracts of *Xanthium strumarium* L. against Oral Microorganisms

CONTENTS

- 103-113 **Yu-jin Lee, Bong-Soo Kim, Min-jeong Kim, Sehee Nam, Sung-Ae Oh, Yun. S. Kim, Ilhwan Choi, Jong-Geun Park, and Gyu-Cheol Lee**  
Molecular Characterization of Actinomycetes Isolated from Terrestrial Environment and their Synthesis of Geosmin and 2-MIB
- 115-128 **Naif Abdullah Al-Dhabi, Veeramuthu Duraipandiyam, Mariadhos Valan Arasu, Karuppaiah Ponnuragan and Savarimuthu Ignacimuthu**  
Antifungal Metabolites from Sponge Associated Marine *Streptomyces* Strain (ERIMA-01)
- 129-140 **F.N. Al-Barakah and M.A.U. Mridha**  
Status and Need of Research on Arbuscular Mycorrhizal Fungi and Rhizobium for Growth of Acacias
- 141-145 **Fatemeh Tabatabaie, Ali Kermanjani, Fatemeh Maleki, Mehraban Falahati, Shookooh Yasaei, Maryam Sadeghi, Behnaz Jalalizadegan and Lame Akhlaghi**  
Prevalence of *Trichomonas vaginalis* and *Candida albicans* Infections among Women in Karaj City in Alborz Province, Iran (2012-2013)
- 147-152 **Leila Fozouni and Shahla Roudbar Mohammadi**  
Evaluation of Caspofungin Susceptibility by Microdilution Broth in *Candida albicans* Clinical Isolates in Iran
- 153-160 **Abd El-Rahim M. A. El-Samawaty, Mohamed A. Moslem, Shaban R.M. Sayed and Mohamed A. Yassin**  
Fungal Endophytes Survey of Some Legume Seeds
- 161-166 **Abeer R.M. Abd El-Aziz, Monira R. Al-Othman, Mohamed A. Mahmoud and Hesham A. Mohamed**  
Xylanase Production by *Aspergillus niger* KSU 23 using Corn Cobs
- 167-172 **Ahream Park, Heeyoung Lee, Soomin Lee And Yohan Yoon**  
Mathematical Models to Describe the Kinetic Behavior of *Staphylococcus aureus* in Potato and Sweet Potato Salad at Constant and Dynamic Temperatures
- 173-177 **Ahmed E. Al-Sabri, Mohamed A. Moslem, Saleh Al-Sohaibani and Fuad Ameen**  
Biosorption of Copper using the Fungus *Aspergillus niger* Isolated from Contaminated Soil
- 179-184 **Daye Huang, Jinping Li, Jingwu Yao, Chunxia Cao, Nina Yang, Ben Rao, Tong Long and Ziwen Yang**  
The Biocontrol Effect of *Paenibacillus polymyxa* Strain NBF 188 on Cucumber Rhizoctonia Rot and its Growth-Promoting Effect
- 185-190 **Mohamed A. Mahmoud, Mohamed El-Zaidy, Monira R. Al-Othman, Abeer R.M. Abd El-Aziz and Munirah F. Al-Gahtani**  
Efficacy of *Rosmarinus officinalis* Essential Oil on *Aspergillus flavus* and *parasiticus*
- 191-196 **Abd El-Rahim M.A. El-Samawaty, Mohamed A. Yassin, Mohamed A. Moslem and Moawad R. Omar**  
Suppression of the Cotton Seedlings Pathogen; *Rhizoctonia solani* by Some Plant Extracts

CONTENTS

- 197-204 **Mohamed M. Abdulla, Abd El-Galil E. Amr, Nagy M. Khalifa & Mohamed A. Al-Omar**  
Follicle-Stimulating Hormone (FSH) Activities of Some Synthesized Candidates
- 205-214 **Khalid Abdullah Ali AbdelRahim and Klaus Rudolph**  
Identification of Newly Xanthomonads using Amplified Fragment Length Polymorphism
- 215-220 **Issam Alshami, Ahmed Eid Alharbi, Nada Abdelmohsen Abdel-Aziz, Kawther Mohammed Ibrahim and Rehab Abdallah Eltahlawi**  
Effects of Linezolid on Suppressing Heteroresistant Vancomycin Subpopulations Among Heteroresistant Vancomycin Intermediate *Staphylococcus aureus* (hVISA)
- 221-230 **Abdulaziz A. Al-Askar, Waleed M. Abdulkhair, Younes M. Rashad, Elsayed E. Hafez, Khalid M. Ghoneem and Zakaria A. Baka**  
*Streptomyces griseorubens* E44G: A Potent Antagonist Isolated from Soil in Saudi Arabia
- 231-238 **Maohua Qu, Juan Du and Weiping Chen**  
Optimization of the Medium Composition using Response Surface Methodology for Production of Trehalose Synthase from *Corynebacterium glutamicum*
- 239-247 **Meshref Awad Alruwaili**  
Esterase and Lipase Activities of New Isolated Thermophilic *Bacillus* Strains HUTB 20 under Different Temperatures and in the Presence of various Carbon Sources
- 249-259 **Chi Zhu, Bing Li, Shui Wang, Wenjie Chang and Weixiang Wang**  
Biodegradation and Metabolism of Aniline by *Chlamydomonas reinhardtii*
- 261-266 **Junxing Liu, Xiaoguang Liu, Yan Liu, Zhiwei Yang, Fei Wu, Lin Wang, Shuqiu Wang, Xiaorui Ma and Lei Liu**  
Effects of Ganoderma Acid Extract on the SOD and Mitochondrion in Zero-Mg<sup>2+</sup> Induced Epileptic Hippocampal Neurons
- 267-271 **Abdurahman H. Hيراد, Mohamed Elsheshtawi, Ali H. Bahkali, Abdallah M. Elgorban and Shaban R.M. Sayed**  
Efficacy of Several Potential Biocontrol Agents against *Sclerotinia sclerotiorum*
- 273-282 **Sabry A. Hassan and Mohammed Y. Shobrak**  
Prevalence and Antimicrobial Resistance Characteristics of Gram-negative Bacteria Associated with Wild Animals Presenting at Live Animal Market, Taif, Western Saudi Arabia
- 283-290 **Abd El-Rahim M.A. El-Samawaty, Medhat A. El-Naggar, Mohamed A. Moslem, Mohamed A. Yassin and Abdullah A. Al-Arfaj**  
Mycoflora Colonization and Mycotoxin Accumulation in Cottonseeds
- 291-302 **Ipeleng Kopano Rosinah Kgosiemang, Samson Sitheni Mashele and Khajamohiddin Syed**  
Comparative Genomics and Evolutionary Analysis of Cytochrome P450 Monooxygenases in Fungal Subphylum Saccharomycotina
- 303-320 **A.A. Al-Askar, Y.M. Rashad and K.M. Ghoneem**  
Pathological Evaluation and Quantification of Some Seed-Born Fungi of Wheat

CONTENTS

- 321-332 **Khalid Abdullah Ali AbdelRahim, El-Sayed Mohamed Soltan and Klaus Rudolph**  
Characterization of Newly Isolated Xanthomonads using 16s rDNA; ITS; rep PCR  
(ERIC, BOX)
- 333-341 **Chunping Huang, Fuzhong Wu, Jian Zhang, WanqinYang and Bo Tan**  
Effects of Snow Thickness on Soil Cultivable Physiological Bacterial Groups in  
Late Soil-thawing Period in an Alpine Forest on the Eastern Tibetan Plateau of China
- 343-348 **S.M. Yakout, A.A. Abdeltawab and Ibrahim M. Aziz**  
Utilization of Algal *Spirogyra* sp in Environmental Cleanup:  
A Malachite Green Dye Biosorption Study
- 349-356 **Alireza Khodavandi, Fahimeh Alizadeh, Farideh Namvar, Rosfarizan Mohamad and  
Chong Pei Pei**  
Anti-candida Potential of *Allium ascalonicum* Linn: Antibiofilm Activity and  
Biomolecular Mechanism of Action
- 357-362 **Syed Raziuddin Quadri, Jamal Al Ruwaili, Shaik Mohammed Akbar,  
Wen-Jun Li and Dayanand Agsar**  
Quantification of Amylase Enzyme from the Calcite Residing Actinobacteria Isolated from  
Limestone Quarries of Deccan Traps
- 363-370 **Adel M. Al-Khdier, Abdulrahman A. Al-Saleh, Hamza M. Abu-Tarboush,  
Elsayed A. Ismail and Ali A. Metwalli**  
The Ability of Some Starter Cultures to Increase the Conjugated Linoleic Acid Level in  
Cow and Camel Milks
- 371-379 **Parichat Phumkhachorn and Pongsak Rattanachaikunsopon**  
A Lytic Bacteriophage with Potential for Inactivation of a Fish Pathogenic  
*Streptococcus agalactiae*
- 381-387 **Asma Ashraf, Shahid Mahboob, Tayyaba Huma and Muhammad Salahuddin Shah**  
Immunogenicity of Lipopolysaccharides from *Pasteurella multocida* Type B against  
Hemorrhagic Septicemia in Buffaloes
- 389-398 **Mohammed A.T. Abdel-Reheem, Mona M. Oraby and Salem K. Alanazi**  
Nigella sativa Essential Oil Constituents and its Antimicrobial, Cytotoxic and  
Necrotic Replies
- 399-408 **Loutfy I. El-Juhany, Hayssam M. Ali, Mohammed O. Basalah and A.M.S. Shehatah**  
Effects of Water Stress and Salinity on the Growth of *Hibiscus tiliaceus* Trees
- 409-417 **Fahad Nasser Alkoaik, Ahmed Ismail Khalil, Majdi Ali Al-Mahasneh,  
Ronnel Blaqueza Fulleros and Ahmed Mohamed El-Waziry**  
Changes in Colour and Germination Index as Indicators for Compost Maturity
- 419-427 **Alghuthaymi, Mousa Abdullah**  
Genetic Improvement of Salinity Tolerance in Wheat

CONTENTS

- 429-436 **Awadh M. Al-Johany, Mohamed K. Al-Sadoon, Ahmed E. Abdel Moneim, Amira A. Bauomy and Marwa S.M. Diab**  
Effects of Pyramid Viper, *Echis pyramidum* Crude Venom on Hepatic Redox Status and BAX Expression in Rats
- 437-445 **Farhat Ali Khan, Muhammad Zahoor, Riaz Ullah, Naser M. AbdEl-Salam, Jafar Khan, Nasim Ullah and Zahoor Ullah**  
Assessment of Mycobiota and Aflatoxins in Poultry Feeds Collected from Poultry Farms
- 447-454 **Mohamed M. Abdulla, Abd El-Galil E. Amr, Mohamed A. Al-Omar, Azza A. Hussain and Mohamed S. Amer**  
Androgenic Anabolic Activities of Some Substituted Androstan[16,17-c]pyrazoline and Androstan [17,16-c]isoxazole Derivatives
- 455-460 **Jafar Khan, Riaz Ullah, Sutan Ayaz, Naser M. AbdElsalam, Iqbal Hussain and Robeena Farzand**  
Comparative Assessment of Rose Bengal Plate Test (RBPT) for the Diagnosis of Brucellosis in Pakistan
- 461-466 **Mohamed S. El-Shikh**  
Genetic Diversity of 41 Countries *Phaseolus vulgaris* L. Accessions, by ISSR Technique
- 467-470 **Irshad Ahmad**  
Prevalence and Antibiotic Susceptibility Profile of *Pseudomonas aeruginosa* Isolated from Different Clinical Samples in District Peshawar Pakistan
- 471-475 **Lin Wang, Li Wang, Sheng Li, Fei Wu, Zhiwei Yang, Junxing Liu, Yanfeng Liang, Fangfang Wang, Jiamei Wu and Huiming Zhang**  
*In vitro* Antioxidant Properties of Extracts from *Thymus vulgaris* and *T. fragrantissimus*
- 477-482 **Noorashikin Md. Noor, Wee Wen Chen, Nur Izzati Ahmad, Farha Fazidah, Ina Salwany, Murni Karim, Sharr Azni Harmin and F.M.I. Natrah**  
Selection of Potential Bacterial Bioremediator for Tiger Grouper (*Epinephelus fuscoguttatus*) Juveniles Culture
- 483-490 **Sharifah Farhana Syed Ab Rahman, Kamaruzaman Sijam and Dzolkhifli Omar**  
Identification and Antibacterial Activity of Phenolic Compounds in Crude Extracts of *Piper sarmentosum* (Kadok)
- 491-498 **Komal P. Acharya and Prateek Shilpkar**  
Bacterial Production of Xylanase using *Nicotina tabaccum* Leaf Dust as Substrate
- 499-504 **Nailya Khismatullina, Arkadiy Ivanov, Ekaterina Martynova, Alexander Mironov, Elmira Zainutdinova, Svetlana Khaiboullina, Albert Rizvanov and Maria Filimonova**  
Nuclease Composition with Anti-Rabies Activity
- 505-510 **Nagy M. Khalifa, Mohamed A. Al-Omar, Abd El-Galil E. Amr and Sherein I. Abd-Elmoez**  
Antimicrobial Evaluation of Some Pyridone and Hydantoin N-glycosides carrying Pyrene Moiety

CONTENTS

- 511-514 **Hayssam M. Ali and Ahmed Abdel-Megeed**  
Effect of Ectomycorrhizal on Growth and Mineral Nutrition of *Acacia saligna* Seedlings
- 515-522 **Alghuthaymi, Mousa Abdullah**  
Production and Characterization of Urease from *Streptomyces chromofuscus* Isolated from the Soil at Saudi Arabia
- 523-528 **Valeriya V. Solovyeva, Inur I. Salafutdinov, Leysan G. Tazetdinova, Svetlana F. Khaiboullina, Ruslan F. Masgutov and Albert A. Rizvanov**  
Genetic Modification of Adipose Derived Stem Cells with Recombinant Plasmid DNA pBud-VEGF-FGF2 Results in Increased of IL-8 and MCP-1 Secretion
- 529-534 **Mohmmad K. Okla, Abdulrahman A. Alatar, Ahmed K. Hegazy and Ahmed Rady**  
Biological Activity of *Calligonum comosum* Extracts as Antibacterial and Antioxidant
- 535-538 **Iqbal Hussain, Riaz Ullah, Naser M. AbdElsalam, Sher Hayat, Kamal Uddin, Jafar Khan, Naseem Akhtar and Zahoor Ullah**  
Antibacterial and Preliminary Phytochemicals Screening of *Theraxicum officinale*
- 539-542 **Yue JI, Yanling LI and Xiaoping LIN**  
Linking Gingivitis to Lacunar Infarction through Hemorheology in Chinese Elderly Patients
- 543-548 **Zahra Sadat Mirjafari Tafti, Hossein Shahbani Zahiri, Behzad Houshmand, Mohammad Rahbar and Fatemeh Khaneghaei**  
Production of Lycopene from *E. coli* as a Non-Carotenogenic Bacterium and Evaluation of Antioxidant Effect of Lycopene
- 549-555 **Mohammad Reza Fazeli, Mehdi Moazzami Goudarzi and Abbas Akhavan Sepahi**  
*Lactobacillus acidophilus* and its Inhibitory Effect on Pyelonephritis Associated Pili and Outer Membrane Protein Expression in *Escherichia coli*
- 557-560 **Muheet Alam Saifi**  
Biochemical and Histopathological Damages caused by Antimalarial drug, Chloroquine in Liver and Spleen of Wistar Rat
- 561-571 **Asma Ashraf, Shahid Mahboob, Tayyaba Huma and Muhammad Salahuddin Shah**  
A Study on Isolation and Characterization of *Pasteurella multocida* for Clinically Positive Cases of Hemorrhagic Septicemia in Buffaloes
- 573-580 **Muhammad Ashfaq, Amna Ali, Muhammad Saleem Haider, Muhammad Ali, Asad Ullah, Urooj Mubashar, Husnain Mubashar, Iqra Saleem and Muhammad Sajjad**  
Allelopathic Association Between Weeds Extract and Rice (*Oryza sativa* L.) Seedlings
- 581-592 **Hayssam M. Ali, Fatma, A. Hassan, EL Sayed M. EL-Mahrouk and Mohamed A. EL-Tarawy**  
Use of Bald Cypress Seedlings for Phytoremediation of Soil Irrigation with Sewage Effluent: Plant Growth and Nutrient Uptake

CONTENTS

- 593-603 **Zubair Ahmad**  
Biochemical and Haematological Changes Induced by Low-Radiotoxicity Uranium Salt (Uranyl acetate) in *Heteropneustes fossilis*
- 605-609 **Mohammad K. Okla, Ahmed M. Rady, Walid Soufan, Mohammed Albjja and Mohamed S. Ahmed**  
Biological Activity of *Anisotestrisulcus* Extract as Antioxidant and its Effect on Blood Sugar Level
- 611-622 **Ahmed Ismail Khalil, Fahad Nasser Alkoaik, MajdiAli Al-Mahasneh, Ronnel Blaqueza Fulleros and Ahmed Mohamed El-Waziry**  
Physical, Chemical and Microbial Changes during the Composting of *Conocarpus erectus* Residues
- 623-628 **Muhammad Ashfaq, Abdul Rasheed, Muhammad Rizwan, Muhammad Noor, Urooj Mubashar, Husnain Mubashar, Muhammad Ali, Amna Ali, Iqra Saleem and Muhammad Sajjad**  
Genetic Studies of Various Morphological Traits in Upland Cotton (*G. hirsutum* L.)
- 629-637 **Nagy M. Khalifa, Ahmad Eweas, Mohamed A. Al-Omar and Wael Hozzein**  
Synthesis and Antimicrobial Activity of Some Novel 8-Hydroxy-7-Iodoquinoline-5-Sulfonamide Derivatives
- 639-644 **Afrah E. Mohammed, Eman A. H. Alhomaidi and Dalal H. M. Alkhalifa**  
Characterization of *Alternaria* Isolate from Organically-Grown Tomato (*Lycopersicon esculentum* L.) in Relation to the Fruit Antioxidant Compounds
- 645-650 **Dwi Suryanto, Muhammad Asril, Erman Munir and Emmy Harso Kardhinata**  
Assay of Antagonistic Bacteria of Single Isolate and Combination to Control Seedling-off in Chili Seed caused by *Fusarium oxysporum*
- 651-655 **Tatiana Melnychuk, Tatiana Parkhomenko, Evgenii Andronov, Volodymyr Patyka and Antonina Kalinichenko**  
Impact of Microorganisms Strains on Diversity of Epiphytes of Tomato Seeds
- 657-665 **Loutfy I. El-Juhany**  
Cross Section Characteristics and Age Estimation of *Juniperus procera* Trees in the Natural Forests of Saudi Arabia
- 667-673 **Nader A. Ashmawy, Said I. Behiry, Hayssam M. Ali and Mohamed Z.M. Salem**  
Evaluation of *Tecoma stans* and *Callistemon viminalis* Extracts against Potato Soft Rot Bacteria *In vitro*
- 675-680 **Sumiara Shams, Sultan Ayaz, Naser M. AbdEl-Salam, Sadaf Niaz and Riaz Ullah**  
Molecular Detection of *Babesia bovis* and *Babesia bigemina* in Vector Ticks, *Boophilus microplus* Collected from Domesticated Cattle in Kohat and Karak Region by using PCR Assay

CONTENTS

- 681-692 Masoumbeigi Hossein, Kardanyamchi Hossein, Sepandi Mojtaba and Esmacili Davood**  
Relation of Bacteriological Water and Air Quality in Dentistry Center
- 693-702 Mohamed K. Al-Sadoon, Marwa M.S. Diab, Amira A. Bauomy and A.E. Abdel Moneim**  
*Cerastes cerastes gasperettii* venom Induced Hematological Alterations and Oxidative Stress in Male Mice
- 703-707 Mohammed I.A. Ali, Wael N. Hozzein, Ahmed M. Reyad and Mohammed S. Abdel Hameed**  
Optimization of Production and Factors Affecting the Stability of a New Protease Produced by a Thermohaloalkali Tolerant *Halobacillus* strain
- 709-712 Muthukrishnan Lakshmipathy and Anima Nanda**  
Antibiotics-Silver Nanoparticles (AgNPs) Blend - A Novel Route to Overcome Drug Resistance
- 713-719 N. Utharalakshmi, A. Ganesh Kumar and G. Narendrakumar**  
Optimization of Cellulase Producing *Aspergillus flavus* SB4 by Solid State Fermentation using Rice Bran
- 721-726 Jafar Khan, Sultan Ayaz, Naser M. AbdElsalam, Riaz Ullah and Taif Shah**  
Prevalence of Tuberculosis in Buffalo and Cattle
- 727-731 T. Arunkumar, D. Alex Anand and G. Narendrakumar**  
Production and Partial Purification of Laccase from *Pseudomonas aeruginosa* ADN04
- 733-737 N. Premjanu and C. Jayanthi**  
Biodiversity of Endophytic Mycoflora from *Lannea coromandelica*
- 739-742 Undety Benjamin Jason and Daniel Alex Anand**  
Gag Polyprotein Isolate JH32 of HIV1 group M subtype B 3D Structure Determination by Multithreading Method - A Bioinformatics Approach
- 743-747 Omar H.M. Shair, Rasheed M. Al-Ssum and Ashraf A. Hatamleh**  
Bacterial Contamination in Cucumber (*Cucumis sativus*): Evidence from Saudi Arabia
- 749-752 Mohamed M. Ibrahim, Ibrahim A. Alaraidh, Amal A. Hazani and G.A. EL-Gaaly**  
Antibacterial Activities of *Salvia officinalis* and *Opuntia ficus indica* Extracts
- 753-759 H. Jemmy Christy and D. Alex Anand**  
Structural Insights of Nevirapine Interaction with HLA-B07 Supertype Alleles in Induction of Hypersensitivity among HIV Affected Population
- 761-767 Essam N. Sholkamy**  
Gas Chromatography-mass Spectrometry (GC-MS) Analysis of Bioactive Compounds Extracted from *Streptomyces antibioticus* by Ethyl Acetate
- 769-773 Mohamed M. Ibrahim, Amal Hazani, Afaf Shehata and Gehan A. Elgaaly**  
Antibacterial Bio-Active Compounds Isolated by GC-MS Analysis of *Tribulus terrestris* L. Fruits



CONTENTS

- 775-780 **S. Srividya, T.P. Sastry and G. Sridevi**  
Phytochemical Screening and *In vitro* Antioxidant Activity of Ethanolic Extract of *Ormocarpum sennooides*
- 781-789 **Alghuthaymi, Mousa Abdullah**  
Isolation of Genes Encoded for Salinity Tolerance from Halophytic *Streptomyces* Species using Polymerase Chain Reaction
- 791-795 **Muhammad Farooq, Wael N. Hozzein, Saber Z.S. Ahmed and Mohammed A.M. Wadaan**  
Cytotoxic Activities of Actinobacteria Isolated from the Saudi Habitats by the Brine Shrimp Lethality Assay
- 797-802 **Hira Munir, Muhammad Shahid, Amer Jamil and Abdul Hannan**  
Proximate, Antibacterial and Hemolytic Analysis of Some Selected Gums
- 803-812 **Essam K.F. Elbeshehy, Omar A. Almaghrabi, Wael M.A. Mahmoud and Ahmed M. Elazzazy**  
Effect of Biosynthesized Silver Nanoparticles on Physiological Parameters of *Vicia faba* Infected by Bean Yellow Mosaic Virus
- 813-816 **Mohamed M. Ibrahim, Ibrahim A. Alaraidh and G.A. El-Gaaly**  
Evaluation of the Antioxidant Potential of Bioactive Compounds in Methanolic Extracts of Aerial Parts of *Fagonia glutonosa*
- 817-821 **Mona S. Alwhibi and Dina A. Soliman**  
Evaluating the Antibacterial Activity of Fenugreek (*Trigonella foenum-graecum*) Seed Extract against A Selection of Different Pathogenic Bacteria
- 823-826 **Harishchander Anandaram and Daniel Alex Anand**  
Computational Analysis of Micro RNA based Target Interactions Related to Genome Wide Association Studies of Psoriasis