

CONTENTS

1	The Geology and Geochemistry of Metavolcanic Rocks from Artoli Area, Berber Province, Northern Sudan: An Implication for Petrogenetic and Tectonic Setting Nureldin Hassan Lissan, Abdallah Kodi Bakheit	1-13
2	Microscopic Evaluation of the Role of Yeast Extract in Flutamide Hepatotoxicity Hafiza A. Sharaf, FathyE. Mattar. Nabila S. Hassan and Manal Mahmoud	14-18
3	Hydration Characteristics of Autoclaved Cement Kiln Dust-Sludge- Silica Fume Pastes M.S.Amin and F.S.Hashem;	19-26
4	Effect of Rose Bengal on <i>Hylemyia antiqa</i> (Meigen) (Diptera :Anthomyiidae) Noeman B. AREF	27-30
5	Derivations of Tensor Product of Finite Number of Simple C*-Algebras. Zeinab M. Abd EL-Kader, Adel M.Zaki, Reham M. Esmail	31-38
6	Study the Suitability of Cheese Whey for Bio-Butanol Production by Clostridia Mervat I. Foda Hong Joun and Yin Li	39-46
7	Green Algae for Improving Nutritional and Environmental Status of Fish Pond Production El-Sayed, A. B; El-Fouly, M.M. and Abdel-Maguid, A.A.	47-55
8	Effect of Alpha Lipoic Acid and Vitamin E on Heavy Metals Intoxication in Male Albino Rats Mostafa M.H. Osfor; Hoda S. Ibrahim; Yousria A. Mohamed; Seham M. Ahmed. Amal S. Abd El Azeem and Amany M. Hegazy	56-63
9	Influence of Nano-bodies produced from Gram-negative Bacteria against infection with <i>Pseudomonas Aeruginosa</i> induced Bronchial Pneumonia with special references to their effect on Immune system in Male Albino Rats M.M. H. Osfor; E. A. Azab I. A. Selim and Amal S. Abd El Azeem and Amany M. Hegazy	64-71
10	Effect of Red Mite (<i>Dermanyssus gallinae</i>) Infestation on the Performance and Immune Profile in Vaccinated broiler breeder flocks H.A.Kaoud and Ahmed R. El-Dahshan	72-78
11	Heavy Metals Bio-Remediation by Immobilized <i>Saccharomyces cerevisiae</i> and <i>Opuntia ficus indica</i> Waste ○A.S. Gad, M. Attia, H.A. Ahmed	79-87
12	Potency of <i>Pseudomonas fluorescens</i> a Biotic Inducer Inhibitors Against Cucummosaic Cucumovirus. El-DougDoug, Kh. A.; Shamy, M.M.M. and Heba, M.A. Khalil	88-93
13	Molecular Analysis of Cucummosaic Cucumovirus Symptoms Development on Squash Plants M.M.M. El-Shamy	94-103

- | | | |
|----|---|---------|
| 14 | Genetic Diversity of <i>Shistosoma mansoni</i> Isolates Genome and Protein Analysis
Mohammed Yahia Araishi | 104-110 |
| 15 | Phenotypic and Genetic Variability Among Three <i>Bacillus Megatherium</i> Isolates. I. <i>In Viro</i> Evolution of Tri- Calcium Phosphate Solubilizing Potential and Growth Pattern
Nahid El-Aiat | 111-115 |
| 16 | Phenotypic and Genotypic Variability among Three <i>Bacillus megatherium</i> Isolates. 2- Molecular detection of Orthocide Fungicide Biodegradation
Nahid El-Aiat | 116-121 |
| 17 | <i>Molecular Characterization of Nematodes Affected by Heavy Metal</i>
El-Hady, M. | 122-130 |
| 18 | Production, Immobilization and Anti-tumor Activity of L-Asparaginase of <i>Bacillus</i> sp R36
Maysa E- Moharam, Amira M. Gamal-Eldeen and Sanaa T. El-sayed | 131-140 |
| 19 | Growth, Yield and Seed Quality of <i>Lupinus termis</i> as Affected by Different Soil Moisture Levels and Different Ways of Yeast Application
Soha E. khalil and Ezzat G. Ismael | 141-153 |
| 20 | Pericentric inversion of chromosome 1 and 9 in a case with recurrent miscarriage in Egypt
Khaled R. Gaber, Hala T. El-Bassyouni, Asaad El-Gerzawy | 154-156 |
| 21 | Production, Immobilization and Anti-tumor Activity of L-Asparaginase of <i>Bacillus</i> sp R36
Maysa E- Moharam, Amira M. Gamal-Eldeen and Sanaa T. El-sayed | 157-165 |
| 22 | Context-aware Ubiquitous Data Mining Framework to Predict Malicious Activities
Zahoor ur Rehman, Muhammad Shahbaz, 3Muhammad Shaheen, Sajid Mehmood | 166-171 |
| 23 | The Influence of Temperature, Light and Pre-treatment on the Seed Germination of Critically Endangered Sikkim Himalayan
Rhododendron (<i>R. niveum</i> Hook f.) K.K. Singh, Bhusan Gurung, L.K. Rai and L.H. Nepal | 172-177 |
| 24 | Numeric modeling of carbon dioxide sequestration in deep saline aquifers in Wangchang Oilfield-Jiangnan Basin, China
Anne Nyatichi Omambia, Yilian Li | 178-187 |
| 25 | Time development of local scour at a bridge pier using square collar in a 180 degree flume bend
Alireza Masjedi, Mahmood Shafaei Bejestan, Ali moti, Amir Taeedi | 188-195 |
| 26 | Biomimetic Synthesis Of Guided-Tissue Regeneration Hydroxyapatite/Polyvinl Alcohol Nanocomposite Scaffolds: Influence Of Alignate On Mechanical And Biological Properties | 196-207 |

- E. Tolba, B. M. Abd-Elhady, B. Elkholy, H. Elkady
- 27 **Utilization of *Opuntia ficus indica* waste for production of *Phanerochaete chrysosporium* bioprotein** 208-216
A.S. Gad and E.A. Hasan, and A. Abd El Aziz
- 28 **Comparative Evaluation of Different Organic Fertilizers on Soil Fertility Improvement, Leaf Mineral Composition and Growth Performance of African Cherry Nut (*Chrysophyllum Albidium* L) Seedlings** 217-223
Emmanuel Ibikunoluwa Moyin-Jesu and Francis Omotayo Adekayode E.
- 29 **Biochemical And Molecular Profiles Of Gibberellic Acid Exposed Albino Rats** 224-229
Hanan A.E. Soliman; Mona M. Mantawy and Hany M. Hassan
- 30 **Study on Models of Commuter Mode Choice beyond Fuel Prices Based on Ordered Logit Models** 230-235
Han Yan, Guan Hongzhi
- 31 **Zinc and Boron Fertilization on Concentration and Uptake of Iron and Manganese in the Corn Grain** 236-242
Farshid Aref
- 32 **Algae of Soil Surface Layer of Wadi Al-Hitan Protective Area (World Heritage Site), El-Fayum Depression, Egypt** 243-255
Mansour, H.A and Shaaban, A.S
- 33 **Management of the Root-Knot nematode, *Meloidogyne incognita* on Tomato in Egypt** 256-262
Mahfouz M. M. Abd-Elgawad and Sanaa S. A. Kabeil
- 34 **IR Spectroscopic Analysis of Polymorphism in Diphenyl Carbazide** 263-270
F. El-Kabbany, S. Taha and M. Hafez
- 35 **A Study the Phase Transformations in Amorphous Diphenyl Carbazide (C₁₃H₁₄N₄O)** 271-277
F. El-Kabbany, S. Taha and M. Hafez
- 36 **IR Study of the Low Temperature phase Transition in Amorphous Diphenyl Carbazide C₁₃H₁₄N₄O** 278-287
F. El-Kabbany, S. Taha and M. Hafez
- 37 **Impact of Foliar Spray of Inorganic Fertilizer and Bioregulator on Vegetative Growth and Chemical Composition of *Syngonium Podophyllum* L. Plant at Nubaria** 288-294
El-Quesni, Fatma E.M.; Mona, H. Mahgoub and Magda, M. Kandil
- 38 **Response of vegetative growth and chemical constituents of *Thuja orientalis* L. plant to foliar application of different amino acids at Nubaria** 295-301
Nahed, G. Abdel Aziz, Azza, A. M. Mazher, and M. M. Farahat
- 39 **Antiviral Properties of Garlic Cloves Juice Compared with Onion Bulbs Juice Against Potato Virus Y (PVY).** 302-310

- Mohamed, E.F.
- 40 **Interaction Between Some Viruses Which Attack Tomato (*Lycopersicon esculentum* Mill.) Plants and Their Effect on Growth and Yield of Tomato Plants** 311-320
Mohamed, E.F.
- 41 **Ricotta Cheese from Whey Protein Concentrate** 321-325
Mohamed El-Sheikh, Atif Farrag , Ahmed Zaghloul
- 42 **Molecular Analysis of Genetically Improved Therapeutic *Saccharomyces Cerevisiae* Strains with High Selenium Uptake** 326-337
Khattab, Ahmed Ihab, Karima Mohamed Abdelnasser
- 43 **Synthesis, (in vitro) Antitumor and Antimicrobial Activity of some Pyrazoline, Pyridine, and Pyrimidine Derivatives Linked to Indole Moiety** 338-347
Ekhlash Nassar
- 44 **Structural Effect on the Base - Catalyzed Hydrolysis of (E) Methyl 3 - Carboxy - 4 - Aryl - 3 - Butenoate Hemiesters, and the Isomeric (E) 3 - Methoxycarbonyl - 4 - (2 - Naphthyl) - 3 - Butenoic Acid** 348-351
Shadia M. Abdallah
- 45 **Increasing Health Benefits of Milk Fat by Partial Replacement with vegetable oils Fortified with Carotenoids** 352-360
Ahmed Saad Gad and Ahmed F. Sayed
- 46 **New Safe Methods for Controlling Anthracnose Disease of Mango (*Mangifera indica* L.) Fruits Caused by *Colletotrichum gloeosporioides* (Penz.)** 361-367
Abd-ALLA , M.A. and Wafaa M. Haggag
- 47 **The Antischistosomal Activity of *Fasciola gigantica* and *Schistosoma mansoni* Eggs is Influenced by Saponin Extracted from *Atriplex nummularia*** 368-381
Amany Sayed Maghraby, Manal Abdel Aziz Hamed, Hanan Farouk Aly, and Sanaa Ahmed Ali
- 48 **Prognostic value of a simple evolving disseminated intravascular coagulation score in patients with severe sepsis** 382-388
Ahmed A.Battah, Tareik S.El Gohary, Mohamed Ashraf
- 49 **Optimization of Process Parameters for the Production of Tannase and Gallic Acid by *Enterobacter Cloacae* MTCC 9125.** 389-397
Vikas Beniwal, Vinod Chhokar, Narender Singh and Jitender Sharma
- 50 **Effect of Foliar Spraying with Uniconazole and Micronutrients on Yield and Nutrients Uptake of Wheat Plants Grown under Saline Condition** 398-404
Manal, F. Mahmed, Thalooth, A.T. and R.Kh.M. Khalifa
- 51 **Quasispecies Of Genotype 4 Of Hepatitis C Virus Genome In Egyptian Patients Treated With A Combination Therapy Of Interferon (Ifn) And Ribavirin** 405-412
Essam Shawky Abd El Hady KHATTAB, Hussien El Belbesi

- 52 **Study The Effects Of Radio Waves Propagation Under Sea At Pakistan Coastal Zones** 413-419
M.Waheed-uz-Zaman, M.A. K. Yousuf zai
- 53 **Nitrogen Soil Dressing And Foliar Spraying By Sugar And Amino Acids As Affected The Growth, Yield And Its Quality Of Onion Plant** 420-427
Shaheen, A.M.; Fatma A. Rizk; Hoda A. M. Habib and M.M.H. Abd El – Baky
- 54 **Hypercholesterolemia enhances the release of proinflammatory cytokines in obese Egyptian adolescents** 428-435
Amany El Wakkad, Nayera El-morsi Hassan, Lobna Sherif, Azza Abd El-Shaheed, Hiba Sibaii, Salwa el Zayat
- 55 **Attenuation of some Metabolic Deterioration Induced by Diabetes Mellitus using *Nepeta cataria* Extracts.** 436-455
Hanan, F. Aly, Ebtissam, A. Mahmoud, Mohamed, E. Ibrahim, Hemaia, M. Motawe, Faten, M. Ibrahim
- 56 **Cytogenetic effect of Insecticide Telliton and Fungicide Dithane M-45 on Meiotic Cells and Seed Storage Proteins of *Vicia faba*** 456-462
Atef A. A. Haiba; Nagwa R. Abd El-Hamid; Elham A. A. Abd El-Hady and Abd El-Rahman M.F. Al-Ansary
- 57 **Synthesis, (in vitro) Antitumor and Antimicrobial Activity of some Pyrazoline, Pyridine, and Pyrimidine Derivatives Linked to Indole Moiety** 463-471
Ekhlash Nassar
- 58 **Structural Effect on the Base-Catalyzed Hydrolysis of (E) Methyl 3-Carboxy-4-Aryl-3-Butenoate Hemiesters, and the Isomeric (E) 3-Methoxycarbonyl-4-(2-Naphthyl)-3-Butenoic Acid** 472-475
Shadia M. Abdallah
- 59 **Corrosion Behavior of Aluminum Electrode in Absence and in Presence of Sodium Chloride at Different pH Solutions using Toludine as Inhibitor** 476-486
E. A.Abd El-Wahab, A.H. Marei, O. R.Khalifa and H.A. Mohamed
- 60 **Corrosion Inhibition of Copper and Copper Alloy in 3M Nitric Acid Solution using Organic Inhibitors** 487-498
O.R.M. Khalifa, A.K. Kassab, H.A. Mohamed and S.Y. Ahmed
- 61 **Variation of tree species in response to biotic stress in a fresh water swamp of Doon valley** 499-502
Joshi,S.P, Neelam Sharma, Suman Lata Bist, Prakriti Dobhal & Smriti Sawan
- 62 **Prophylatic Potential of Lemon Grass and Neem as Antimalarial Agents** 503-507
Mgbemena, I. C; Opara, F.N; Ukaoma, A; Ofodu, C; Njoku, I; and Ogbuagu,D. H.
- 63 **Evaluation Of Yield And Yield Attributes Of Some Cowpea (*Vigna Unguiculata* (L) Walp) Varieties In Northern Guinea Savanna** 508-511
Futuless, K.N and Bake, I.D.

-
- | | | |
|-----------|--|----------------|
| 64 | Synthesis and Modification of some Heterocyclic Compounds with Potential Biological Activity Coupled on Poly (Maleic Anhydride –Methyl Methacrylate)
Tahia B. Mostafa | 512-524 |
| 65 | Cytogenetics Changes on Cancer Cells as Affected by Ginger Extracts
Zeinab E. Hanafy | 525-539 |
| 66 | Detecting Municipal Solid Waste Leachate Plumes Through Electrical Resistivity Survey And Physio- Chemical Analysis Of Groundwater Samples
Nasir Khalid Abdullahi, Isaac Babatunde Osazuwa, Abraham Onugba | 540-548 |
| 67 | Impact of different soil media on growth and chemical constituents of <i>Jatropha curca</i> L. seedlings grown under water regime
Azza, A. M. Mazhar; Nahed G. Abd El Aziz and E. El.Habba | 549-556 |
| 68 | Serum resistin levels and haemostatic changes in experimentally induced diabetic and high fat fed rats
Mohammad I. Hoseen, Mai M .Hassan, Dalia I. Abd-Alaleem and Eman M. Faragallah. | 557-567 |
| 69 | Assessment of DNA Sensitivity and Heat Stress Protein Response (HSP70) in Male Wistar Rat Blood After Exposure to Microwave Radiation
El-Ezabi, M.M. | 568-575 |
| 70 | Effect of Soil Water Content and Salinity on Daily Evaporation from Soil Column
Zhu Xue and Takeo Akae | 576-580 |