**CONTENTS**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | **Metallo-Β-Lactamase Production by *Escherichia Coli* and *Klebsiella Species* Isolated from Hospital and Community Subjects in Lagos, Nigeria**.   Enwuru N.V, Enwuru C.A, Ogbonnia S.O, Adepoju-Bello A. A. |  | **1-5** |
| **2** | **Cooperatives- A Vehicle for Rural Development: The Case of Ahiazu Mbaise Area of Imo State, Nigeria**   Chikaire, J.,Nnadi,F.N., Osuagwu,C.O.,Oguegbuchulam, M.N.,Oparaojiaku ,J., Achama,G.I.and Osigwe,T. |  | **6-11** |
| **3** | **Landholding Inequality Among Smallholder Farmers in Imo State, Nigeria: Implications for Agricultural Development and Rural Livelihood.**  Chikaire, J., Atala, T.K., Akpoko, J.G. and Nnadi, F.N. |  | **12-20** |
| **4** | **Application of FT-IR Spectroscopy for Rapid and Simultaneous Quality Determination of Some Fruit Products**  Gamal F. Mohamed, Mohamed S. Shaheen Safaa K.H. Khalil, Ahmed M.S. Hussein and Mohie M. Kamil |  | **21-31** |
| **5** | **Antioxidant, Antimicrobial, and Anticarcinogenic Properties of Egyptian Guava Seed Extracts**   Gamal F. Mohamed, Samira S. Mohamed, and Fakhriya S. Taha |  | **32-41** |
| **6** | **The Magic of Heterosis: New Tools and Complexities**  Gulzar S. Sanghera, Shabir H Wani, Wasim Hussain, Wajida Shafi, A. Haribhushan and Naorem B.singh |  | **42-53** |
| **7** | **Detection of Hepatits B surface Antigen (HBsAg) among pregnant women attending Antenatal Clinic at O.L.A.  Catholic Hospital, Oluyoro, Ibadan, Oyo State, Southwestern Nigeria**  Okonko IO and Udeze AO |  | **54-60** |
| **8** | **FISHERIES, WILDLIFE AND VEGETATION OF AJIDO TOWN, BADAGRY, LAGOS.**  Akinnigbagbe Oluwatoyin Ruth, Akinnigbagbe Akintoye Edward, Aroriode Ojiyovwi Rebecca (Dr), Jegede Olusolape Margaret |  | **61-69** |
| **9** | **APPLICATION OF SURVEY IN MARINE GEOLOGY AND OCEANOGRAPHIC STUDY**  Akinnigbagbe Edward Akintoye, Rabiu Abdulkarim, Ibitola Mayowa Philips, Imo Daniel Oguwuike, Titocan Mark, Imhansoloeva, , Faleye Bamidele Ruth, Shonde Olufunke Olubukola, Jimoh Olayinka Rasheed, Abe Oluwaseun Banji. |  | **70-75** |
| **10** | **Renewable Energy for Sustainable Food, Feed and Fibre Production: A Panacea to Nigeria’s Energy Crisis.**   Nnadi, F.N., Chikaire, J., Ajaero, J.O., Nwakwasi, R.N. and Oguegbuchulam, M.N. |  | **76-82** |
| **11** | **Neuroprotective Effects of Grape Seeds against Photo-Chemical Damage–Induced**  **Retinal Cell Death**  Elawady A Ibrahim and El-hansi N Mohmed |  | **83-89** |
| **12** | **Use Different Dietray Sources Of Energy In Growing Finishing Sheep Rations**  H.M. Metwally and Etab, R. I. Abd El-Galil |  | **90-96** |
| **13** | **The Possible Toxic Effect of 4-tert-octylphenol-Polluted Water, on Male Reproductive Hormone of Rat**   Kamal F. Shalaby, Lobna F. Wahman and Suzan F.I. El-Sisi |  | **97-107** |
| **14** | **Extraction and Identification of Natural Antioxidants from Liquorices (*Glycyrrhiza glabra*) and Carob (*Ceratonia siliqua*) and its Application in El-Mewled El-Nabawy Sweets (Sesames and Folia)**  Ginat, El-sherif; M. A. El-sherif and Tolba, K. H. |  | **108-115** |
| **15** | **Fuel Cells Types and Characterisation**  Nnorom Achara |  | **116-124** |
| **16** | **Evaluation of the Antidepressant Like Effect for Some Natural Supplements Against Reserpine Induced Behavioral Depression in Mice**  Suzan F.I. El-Sisi |  | **124-125** |
| **17** | **Nitric oxide levels in sustained virological response to peglyated-interferon-alpha-2b plus ribavirin before and after treatment in Egyptian patients with chronic hepatitis C**  El-Shahat A. Toson, Mahmoud M. EL-Bendary, Hatem A. El-mezayen and Heba A. Sahyon |  | **137-143** |
| **18** | **Health Risk Assessment of Marble Dust at Marble Workshops**    M. I. El-Gammal, M. S. Ibrahim, El-Sayed. A. Badr, Samar A. Asker and Neven M. El-Galad. |  | **144-153** |
| **19** | **Ensure Microbial Safety and Extending Shelf-Life of Tomato Juice by** **γ Irradiation**   Youssef, K.A.; Hammad, A.I.; Abd El-Kalek, H.H.and Abd El-Kader, R.M. |  | **154-163** |
| **20** | **Effect of Implementing Nursing Guidelines for Tube Feeding on the Occurrence of Aspiration among Critically Ill Patients**  Amina M. A. Seliman, Aziza H. El-Soussi; Mohamed A. A. Sultan and Sahara Y. Othman |  | **164-175** |
| **21** | **Improving Herbicides Efficacy of Topik and Traxos on Wheat Plants and Associated Weeds byAdjuvants Arkopal**  Tagour, R. M. H. , G. M. Abd El-Hamed  and I. M. EL-Metwally |  | **176-183** |
| **22** | **nfluence of Adjuvant Arkopal with Panther on Weeds Control, Wheat Yield, Photosynthetic Pigments and Anatomical Features of Wheat Leaf**  Tagour, R. M. H.; G. M. Abd El-Hamed and I. M. El-metwally |  | **184-192** |
| **Correction: pages 126-136 skip mistakenly** | |  |  |