

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN | Title                                                                                                                                                           | Authors Name                                                                                                                                                             | Page No. |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1  | A Comparative Analysis of Machine Learning Algorithms for the Early Prediction of Diabetes with an Evaluation of Class-Imbalance Handling                       | Ayorinde Oduroye, Temilade Opanuga, Esther Tosin Akanbi, Adeoye Abimbola Oluwadare, Ezekiel Obiruo Oyivbi, Ademola Francis Adebowale, Theophilus Bamise Ajala            | 1-10     |
| 2  | Appraisal of Safety Culture among Construction Workers in Akwa Ibom State, Nigeria                                                                              | Esang Lazarus Esitikot, Victoria Isaiah Tom, Uduak Asuquo Simon, Itohowo Emmanuel Ekpenyong, Idongesit Akpan Uduakpan, Utibe Ofon, Kingsley Inyang Ekpo, Mary Ubong Umoh | 65-90    |
| 3  | Forensic Auditing as a Tool for Curbing Financial Malpractices in Tertiary Institutions: A Comparative Study of Federal and State Universities                  | K. S. Oyedele                                                                                                                                                            | 91-104   |
| 4  | Hybrid U-Net++?Vision Transformer Fusion for Accurate Brain MRI Image Segmentation and classifications                                                          | Malathi Janapati, Shaheda Akthar                                                                                                                                         | 125-139  |
| 5  | Family Business in India                                                                                                                                        | Vedant V. Pandya                                                                                                                                                         | 105-124  |
| 6  | Video Clip-Based Instruction and Performance Level of Junior High School Students in Science                                                                    | Datudido M. Tacbil, Leizle B. Coronica, PhD.                                                                                                                             | 11-48    |
| 7  | Bridging Bibliotherapy and Education for Sustainable Development: A Pedagogical Framework for Card-Based Literacy                                               | Susanti Agustina                                                                                                                                                         | 49-64    |
| 8  | Development of Home Automation Systems Using Global System for Mobile Communication Module                                                                      | Agoyi A. A., Tomiwa A. C., Okoye P. C., Adeyemi, S. S                                                                                                                    | 140-151  |
| 9  | Sensory, Vitamin and Microbial Quality of Snack Bar Produced From Sesame Seed (Sesamum Indicum L), Peanut (Arachis Hypogaea) and Coconut Grits (Cocos Nucifera) | Atadoga Ojonoka Josephine, Ishiwu Charles Ngwuja, Ezegbe Clement Chinedum                                                                                                | 152-165  |
| 10 | The Biggest Sports Halls in the World                                                                                                                           | Ahmet Hadrovic                                                                                                                                                           | 166-199  |
| 11 | Yolov8 Model for Brain Tumor Detection Using Combinatorial Multimodal Image Fusion                                                                              | Ayua S. I., E. J. Garba, Y. M. Malgwi, Oluborode Kayode O                                                                                                                | 200-230  |
| 12 | Artificial Intelligence in Credit Scoring and Loan Underwriting: An Indian Perspective                                                                          | Sujata V                                                                                                                                                                 | 231-236  |
| 13 | Binarization of Metaheuristic Optimization Algorithm: A Comparative Analysis                                                                                    | Eris Zego, Edjola Naka, Vassil Guliashki                                                                                                                                 | 237-251  |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN | Title                                                                                                                                                                                                    | Authors                                                                                                       | Page    |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------|
| 14 | Factors Reported By Tuberculosis Patients Lost to Follow-Up during Treatment at Port Moresby General Hospital, Papua New Guinea: A Cross-Sectional Study                                                 | Mateus Pinheiro, Isi H. Kevau, Rendi Moke, Valahu Valahu                                                      | 252-258 |
| 15 | Effect of Sesame Stalk Ash Replacement on Compressive Strength and Density of Cement-Stabilized Compressed Earth Bricks Produced from Yobe Lateritic Clay                                                | Abdullahi Alkali Adamu, I. Y. Muhammad, S. U. Kunya                                                           | 259-266 |
| 16 | Improving Convergence and Accuracy in Multimodal Medical Image Analysis                                                                                                                                  | Namrata Tripathi, Shikha Shende                                                                               | 267-271 |
| 17 | High-Purity Quartz: A Review of Global Resources, Beneficiation Chemistry, Underexplored Feedstocks, and Market Dynamics                                                                                 | Dr. Ashokaditya P. Dhurandhar                                                                                 | 272-291 |
| 18 | Eigenvalue Degeneracy and the Limits of Scalar Spectral Parametrisations on Compact Homogeneous Spaces                                                                                                   | Ajay Minj                                                                                                     | 292-300 |
| 19 | Self-Reported Emotional Intelligence on the Competencies of Nurse Managers in a Level 2 Government Hospital                                                                                              | Roxanne O. Villaruz, RN, Resty L. Picardo, DM, MAN, JD, RN, Joan P. Bacarisas, DM, MAN, RN                    | 301-314 |
| 20 | Nurse Manager Competency on the Clinical Nurse Performance in High Acuity Units of a Level 2 Hospital                                                                                                    | Korizza April V. Almeida, RN, Resty L. Picardo, DM, MAN, JD, RN, Joan P. Bacarisas, DM, MAN, RN               | 315-328 |
| 21 | Knowledge, Attitude and Practice of Oral Hygiene among Students of Osun State University, Osogbo, Osun State                                                                                             | Moyosade Ayomide Hammed, Dr. (Mrs). Omobuwa. O, Taiwo Ganiyat SODUNKE                                         | 329-343 |
| 22 | Prevalence and Produce-Specific Risk of Parasitic Contamination of Fresh Fruits and Vegetables in Local Markets of Iddo Community, Gwagwalada Area Council, FCT, Abuja, Nigeria: A Cross-Sectional Study | Ebiriekwe, Sabinus Chidubem, Aro, Victoria, Ndu, Charles N, Waheed, Lukman A, Usman, S.M.                     | 344-351 |
| 23 | Tuberculous Peritonitis Diagnosed by GeneXpert in Ascitic Fluid Despite Markedly Elevated Carcinoembryonic Antigen: A Case Report from Timor Leste                                                       | Mateus Pinheiro, Joaquim de Jesus Mendonca, Nelson Eugenio Pires Goulart Monterio, Deoneia Benevides monteiro | 352-359 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN | Title                                                                                                                                                                                            | Authors                                                                     | Page    |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------|
| 24 | Characterization of the Social Appropriation of Knowledge in the "Operate" Phase of the CDIO Framework: Articulation Between University, Industry, and Community in a University Production Unit | Jorge Alejandro Aldana Gutiérrez, Henry Reyes Pineda, Alexander Vera Tasamá | 360-368 |
| 25 | Household Food Security as a Mediating Pathway Linking Food Culture, Practices, and Values to Under-Five Nutritional Status among Rural Dayak Communities in Sarawak: A PLS-SEM Study            | Neilson Richard Seling, Md Mizanur Rahman, Andrew Kiyu                      | 369-376 |
| 26 | Utilization of Waste Oyster Shell in Concrete: Effect of Conplast Sp430 on Compressive Strength                                                                                                  | Ojo Bamidele Samuel, Adeleke Ademola Olufemi                                | 377-381 |
| 27 | Antimicrobial Effect of Organic Acids Produced by Selected Strains of Lactic Acid Bacteria during Storage of Ugba (Fermented African Oilbean Seeds)                                              | Ome, A. P., Omogo, S. E.                                                    | 382-395 |
| 28 | Innovative Marketing Strategies Adopted by MSMEs: A Comparative Study of Manufacturing, Trading and Service Enterprises                                                                          | Pramod K, Dr. Nataraj S                                                     | 396-407 |
| 29 | Education for Sustainable Development a Methodological Framework and Illustrative Analysis of Teacher Educators' Conceptual Understanding of Education for Sustainable Development (ESD)         | Sarita Tiwari, Dr Meenakshi Sharma                                          | 408-414 |
| 30 | Work Environment and Its Influence on Employee Retention in the EdTech Sector: Empirical Evidence from Bangalore, India                                                                          | Dr. Senthilkumar K.G., Mrs. Saravanapriya M., Anishiya K. S.                | 415-427 |
| 31 | Effect of Culturo-Techno-Contextual Approach on Students? Performance and Retention in Trigonometry in Rivers East Senatorial District, Rivers State, Nigeria                                    | Nweke, N. O., Adolphus, T., Naade N. B                                      | 428-438 |
| 32 | Dietary Lysine Requirements and Organosomatic Index of Hybrid Clariid Catfish (Heterobranchus Bidorsalis ? X Clarias Gariepinus ?) (?Heteroclarias?)                                             | Salami, S. B., Fagbenro, O. A., Gbadamosi, O. K                             | 439-449 |
| 33 | Exploring Suppression-Like Effects in Logistic Modeling of Stem Participation: Engagement and Self-Efficacy as Correlated Predictors                                                             | Hongwei Wang, Jasmin Ortiz, Orlando Patricio                                | 450-459 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN | Title                                                                                                                                                                 | Authors                                                                                                                                                 | Page    |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 34 | Regulatory Deficits and the Socio-Environmental Footprint of GSM Mast Operations in Jalingo LGA, Nigeria                                                              | Jibasen Angyu, Bala Wunubo, Daniel Godwin Shampun                                                                                                       | 488-495 |
| 35 | Design and Performance Evaluation of a Low-Cost Edge-To-Cloud Telemetry System for Industrial Monitoring                                                              | Emina E. Etomi, Benjamin O. Akinloye, Donatus U. Onyishi                                                                                                | 460-473 |
| 36 | Role of Women and Youth in Promoting Multi-Layered Organic Farming in Rural Bengal                                                                                    | Amit Kumar Bose, Dr. Tuhin Chatterjee                                                                                                                   | 474-487 |
| 37 | Systematic Review of Available Models That Function as Solutions to Data Privacy in Deep Learning for Electronic Healthcare Systems                                   | Laureen Ndeda, Dr. Samuel Oonge, Dr. Calvins Otieno                                                                                                     | 496-513 |
| 38 | The Impact of Community-Driven Science Projects in Strengthening Public Trust in Environmental Policies                                                               | Jack, Gladys Uzezi, Musa Yohanna                                                                                                                        | 514-520 |
| 39 | Synthesis of 6-Ethoxy-4-(Ureido) Indole-3-Sulfonic Acid and its Computational Evaluation against Prostate Cancer                                                      | Onyebuchi John Kennedy Nwokoji, Adeola Anuoluwapo Fadairo, Pamela Oluwafunke Akindeko, Isiaka Mohammed, Alison Michael EbieKpi, Ibrahim Adebayo Oladosu | 521-528 |
| 40 | Geo AI-Assisted Housing Growth Planning and Architectural Neighbourhood Design in Nigerian Secondary Cities Through an Integrated Framework                           | Tajudeen Olawale Ajayi, Harrison Esuoghene Okula, Oghene Uwaire Akeredolu                                                                               | 529-549 |
| 41 | A Theoretical Analysis of Functional Dependencies and Normalization in Relational Database Design                                                                     | Vaivaw Kumar Singh, Dr. Kunal Sinha                                                                                                                     | 550-566 |
| 42 | Examining the Factors, Trends and Climate Change Patterns and Their Implication on Farmers-Herders Conflicts in Some Selected Communities of Bassa LGA, Plateau State | Dr. Omomoh Emmanuel, Dr. Gujagar Rogers Rengje Danlami, Michael Henry Pam, Abu Ephraim, Gwamzhi Ponsah Emmanuel                                         | 567-578 |
| 43 | Comparison of Computer-Based Tutorial and Traditional Method of Teaching Brick Wall Bonding                                                                           | Collins Owusu Boateng, Albert Armah                                                                                                                     | 579-591 |
| 44 | Retirement Income Security in India: A Comparative Assessment of the Employees' Pension Scheme, 1995 and the National Pension System                                  | Ashish Honrao, Akruti Bose                                                                                                                              | 592-608 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN | Title                                                                                                                                                            | Authors                                                                                       | Page    |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------|
| 45 | Influence of Graphene?Carbon Nanotube Loading on the Morphological and Electrical Transport Properties of NiO Hole Transport Layers                              | Nurbahirah Norddin, Suhaidi Shafie, Muhammad Idzdihar Idris, Mohd Nizar Hamidon, Fauzan Ahmad | 609-615 |
| 46 | Male Chauvinism and the Interpretation of Gender in the Bible: A Theological and Hermeneutical Appraisal                                                         | Mercy U. Chukwuedo, PhD, Gerald U. Nwabuisi, PhD                                              | 659-669 |
| 47 | Effect of GeoGebra on Students? Academic Performance in Calculus in Senior Secondary Schools in Port Harcourt Metropolis, Rivers State                           | Laoye, C. A, Naade, N.B.                                                                      | 651-658 |
| 48 | Artificial Intelligence in Integrated Science Education: Opportunities, Challenges, and Future Directions                                                        | Onyenweuwa Basil O., Dike Obiageli Ijeoma, Okanume Chioma M., Ogu Philip. E                   | 628-642 |
| 49 | SARIMA Time Series Modeling for Forecasting Malaria Positivity Rate: A Case Study of Kisumu County, Kenya                                                        | Naomy Odero Onyuka, Lisette Schutte, Tobias F. Rinke de Wit, Fredrick Onyango                 | 616-627 |
| 50 | Undergraduate Students? Perception of the Role of Generative AI in Biology Education                                                                             | Adeniran Fortunate Veronica                                                                   | 643-650 |
| 51 | Mathematical Modelling and Sensitivity-Based Optimization of Energy-Efficient Cassava Drying in Ghana                                                            | Raymond Nwinkom Dumeh, Lucy Agyepong                                                          | 670-677 |
| 52 | Digital Governance, Public Trust, and Citizens? Participation in Public Service Delivery in Imo State, Nigeria: A Public Value Perspective                       | Okafor, Gabriel Ogechi, Otika, Udoka Stephen                                                  | 678-704 |
| 53 | Molecular Dynamics Investigation of Graphene-Based Supercapacitors for Enhanced Energy Storage                                                                   | Dr.A. Mahesh Kumar                                                                            | 715-725 |
| 54 | Perceived Impact of in-Service Training on the Quality Nursing Care Outcome on the Clinical Competence of Staff Nurses                                           | Ronnie L. Santillan, RN, Resty L. Picardo, DM, MAN, JD, RN, Joan P. Bacarisas, DM, MAN, RN    | 726-742 |
| 55 | Experimental Study, Characterisation, and Microstructural Analysis of Ultra-Strength Concrete (M80 to M120 Grade): Design, Durability, and Cost-Benefit Dynamics | Girish Chandra Gandhi, Dr. Payal Mehta, Dr. Ankit Sodha                                       | 743-754 |
| 56 | Advancements in Cable Force Optimization for Long-Span and Hybrid Bridge Systems: A Comprehensive                                                                | Mistry Pooja B, Dr. Kaushal B. Parikh                                                         | 755-762 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN | Title                                                                                                                                                                                       | Authors                                                                                        | Page    |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------|
| 57 | Effectiveness of Integrated Neuromuscular Inhibition Technique versus Conventional Physiotherapy in the Management of Musculoskeletal Pain Conditions: A Literature Review                  | AbiyavRoby, Dr. Jahnavi K Salian, Dr. M. Premkumar                                             | 705-714 |
| 58 | Assessment of Health Knowledge and Sociodemographic Variables among Adults During Public Health Emergencies in Sabon Gari L.G.A Kaduna State, Nigeria                                       | Abdulfatah Hajara Aminu, Aliyu khalid, Abdullahi Samira, Ibrahim Yusuf                         | 781-790 |
| 59 | Evaluation of Data Quality Improvement Plans and Their Impact on Clinical and Administrative Decisions at Fmc Yenagoa                                                                       | Biobelemoye Jack-Gbarabe, Grace Esohe Ogbeifun, Meshach Gbaye                                  | 771-780 |
| 60 | A Security-Typed Language for Enforcing Non-Interference in Multi-Level Military Command and Control Systems                                                                                | Moises John G. Adlawan, Reagan B. Ricafort                                                     | 763-770 |
| 61 | A Digital Twin-Driven Deep Learning Framework for Real-Time Fault Prediction and Predictive Maintenance in Smart Manufacturing                                                              | Dr. Maithili S. Deshmukh, Dr. A. S. Alvi                                                       | 791-797 |
| 62 | Development of Machine Learning Models for Predicting Trip Cancellation in Ride-Hailing Platforms.                                                                                          | Annunciata Nduku Kyalo, Dr. Mvurya Mgala, Dr. Kennedy Hadullo                                  | 798-808 |
| 63 | Land Use and Land Cover Change (LULC) Analysis and Prediction Using Cellular Automata - Artificial Neural Network (CA-ANN) Approach: A Case Study of Sriperumbudur Taluk, Tamil Nadu, India | M. Navamuniyammal, Dhanusree G, Bharathi A, Sree Rithigaa S, Sujatha M                         | 809-820 |
| 64 | Offshore Pipeline Stress and Stability Analysis in the Gulf of Guinea                                                                                                                       | Eze Evidence Ojie, Morrison Inegiyemiema, Samson Nitonye                                       | 843-866 |
| 65 | Women-Owned Micro, Small, and Medium Enterprises (MSMEs) in Post-Conflict Economic Recovery: An Empirical Review of Jos, Plateau State                                                      | Elisha Rinji Goyil, Angeleng Joy Adawana, Ahmed Nazihat Tanko, Wilfred Mallo, Akoti Adaji Ezra | 867-880 |
| 66 | Comparative Evaluation of Hydroethanolic Extracts of Clitoria Ternatea Flowers, Malus Domestica Peel, and Their Combined Extract as Potential Eco-Friendly Acid/Base Indicators             | Challa Prashanthi, Priyanka Rathod                                                             | 881-889 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN | Title                                                                                                                                                                          | Authors                                                                                                                                                                | Page     |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 67 | Enhancing Preclinical Neuropsychiatric Drug Discovery Research in A Resource-Constrained Setting Through Improvisation of Drosophila Melanogaster Light-Dark Behavioural Mazes | Ajibola Monisola Umarudeen, Chinonye Anuli Maduagwuna, Olusola T. Ephraim-Oluwanuga, Emmanuel Olawale Moore                                                            | 890-897  |
| 68 | AI-Driven Workforce Digital Twin for Predictive Human Resource Simulation in Oracle Cloud HCM                                                                                  | Guguloth Priyanka                                                                                                                                                      | 821-842  |
| 69 | A Study on Green Cloud Computing Using Artificial Intelligence Techniques                                                                                                      | Mrs. Prangya Prachi Samantaray, Dr. Sanmati Jain, Arati Pradhan                                                                                                        | 898-903  |
| 70 | An Evaluation of the Sustainability and Role of the Kadiwa Center in Enhancing Urban Food Access and Farmer Empowerment in Tagaytay City                                       | Olivarez College Tagaytay, Ma. Sheila S. Anunciado, Shanerisse Tamondong Jean Rizza A. Dela Cruz, Joselito G. Dela Cruz, MSIT Eloisa D. De Ocampo, Cherry Lyn P. Sison | 904-913  |
| 71 | Assessing Consumer Perception and Buying Behavior Towards Beauty Product Retailer in Cabiao Nueva Ecija: A Basis for Developing Effective Marketing Strategies                 | Lhaica B. Francisco, Wilbert Roy R. Permison, Mark Angelo T. Quiambao, Princess M. Vinuya                                                                              | 927-951  |
| 72 | Determination of Phytochemical Profile and Antioxidant Potential of Ocimum Gratissimum Leaf Extract                                                                            | Olayemi R F, Jawonisi I O, Jasper E E                                                                                                                                  | 914-926  |
| 73 | Histological Study of Bullfrog (Hoplobatrachus Tigerinus) Organs Exposed to Habitat Stress                                                                                     | Dr. G.J. Jenila, S.Benishma                                                                                                                                            | 959-964  |
| 74 | Communication for Environmental Sustainability: Strategies, Barriers, and Opportunities in Agricultural Extension and Rural Development                                        | Niti Kushwaha                                                                                                                                                          | 965-974  |
| 75 | Mean Gravitational Potential Energy of Neutrons in Isothermal Neutron-Star Atmospheres: A Statistical-Mechanical Approach                                                      | J. K. Maritim, S. K. Rotich                                                                                                                                            | 975-985  |
| 76 | Investigation of Concrete Tensile Strength with Partial Replacement of Cement with Bamboo Stem Ash (BSA) in Concrete Structures                                                | Dr. Afolabi, Olusegun Adeleke                                                                                                                                          | 952-958  |
| 77 | Bridging the Gap between Bakiga Heritage Conservation and the Promotion of Community-Based Tourism, Kabale District, Uganda                                                    | Gladyce Kachope, Mike Nandala, Moses Mubilu Magella, William Kayamba                                                                                                   | 986-1053 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN | Title                                                                                                                                                                  | Authors                                                                                   | Page      |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------|
| 78 | Yolov8-Based Vehicle Detection and Traffic Density Estimation for Adaptive Traffic Signal Applications                                                                 | Muhammad Fakhrulradzi Razali, Ahmad Kamalulzaman Othman, Azlan Abdul Aziz, Yusnita Sokman | 1054-1065 |
| 79 | Performance Evaluation of MXene-Based Nanocomposites for Advanced Energy Storage                                                                                       | Dr. R. D Femitha, Mr. F. Peter, Dr. S. Robin Divahar, Dr. V. K. Jebasingh                 | 1066-1083 |
| 80 | Agricultural Commodity Price Volatility in Vidarbha: Trends, Market Behavior and Price Risk?An Empirical Study Since 2012                                              | Mr. Ramesh G. Aashtankar, Dr. Gajanan B. Patil                                            | 1084-1104 |
| 81 | The Effect of a Corequisite Instructional Model on Undergraduate Achievement in First-Order Ordinary Differential Equations: A Quasi-Experimental Study                | Christian Sekey, Emmanuel Antwi, Yarhands Dissou Arthur                                   | 1105-1116 |
| 82 | Spatiotemporal Dynamics of Riverbank Erosion and Accretion of the Surma River in Sunamganj District, Bangladesh: A Remote Sensing and GIS-Based Assessment (2000?2025) | Amisha Das Roy                                                                            | 1117-1126 |
| 83 | Performance Appraisal in Strategic Human Resource Management: A Bibliometric Analysis of Research Trends and Emerging Themes                                           | Diana-Cristina LUNGU, Adriana GRIGORESCU                                                  | 1127-1145 |
| 84 | Digital E-Commerce as a Lifeline for Independent Ageing: A Study of Older Adults Living Alone in Nuclear Families in New Town, Kolkata                                 | Mr. Mofikul Islam                                                                         | 1146-1165 |
| 85 | Ayurvedic Understanding of Madhumeha with Reference to Diabetes Mellitus: Its Prevention and Cure                                                                      | Priyanka Yadav, P. Gourishankar                                                           | 1179-1183 |
| 86 | Neurobehavioral and Neurochemical Effect of Azadirachta Indica on Stress Induced Anxiety in Mice                                                                       | Sanskriti Soni, Yogesh Sharma, Durga Vishwakarma, Ramdarshan Parashar, Ajay Singh Thakur  | 1166-1178 |
| 87 | The Most Famous Museums in the World                                                                                                                                   | Ahmet Hadrovic                                                                            | 1184-1222 |
| 88 | Evaluating Undergraduate Students? Trust and Comprehension on Ai-Written and Human-Written Popular Science Articles                                                    | Prof. Gladys U Jack, Jamila Idris Bakari                                                  | 1223-1228 |
| 89 | Development of mathematical models for predicting mechanical properties of dissimilar DP600 steel and AZ31B magnesium alloy friction stir welds                        | Kapil B. Pipavat, Hirenkumar I. Joshi, G. D. Acharya                                      | 1229-1243 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN  | Title                                                                                                                                                                                                                         | Authors                                                                                                                           | Page      |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------|
| 90  | Diversity of Spiders (Araneae) in the Melghat Region of Maharashtra, India: A Review of Research from 2015?2025                                                                                                               | Saloni Prajapati, Hemlata Nandurkar                                                                                               | 1297-1310 |
| 91  | Beyond the Visible Cosmos: A Heuristic Interdisciplinary Framework for Consciousness, Cosmology, and Cosmic Evolution                                                                                                         | Mahesh Man Shrestha                                                                                                               | 1311-1328 |
| 92  | Conceptual Design and Prospective Validation Framework for a Low-Cost Smart Device for Real-Time Monitoring of Dental Unit Waterline Quality in Resource-Limited Settings                                                     | Dorothy Namuleme, Ukagwu kelechi John, Bwogi Bashir, Ukagwu Faith, Katongole Geoffrey Brian, Mutamba Raymond                      | 1244-1258 |
| 93  | Advanced Materials and Digital Technologies for Low-Carbon and High-Performance Concrete: A Bibliometric-Assisted Systematic Review of Global Research Trends, Emerging Technologies and Future Research Pathways (2015-2025) | Adamu Wahab, Humphrey Danso, Emmanuel Appiah-Kubi, Sulley Reagan                                                                  | 1259-1287 |
| 94  | Assessment of Agricultural Investment Intensity and its Influence on Food Sufficiency in Tharaka-Nithi County, Kenya                                                                                                          | Medrine Cirindi Nkoroi, Moses Kathuri Njeru, James Muthomi Riungu                                                                 | 1288-1296 |
| 95  | Development and Deployment of Microservice-Based Architecture System for Efficient Application Loading in Cloud Environments                                                                                                  | Ikediego Henrietta Onyinyechi, Akawuku I. Godspower, Chekwube Georgina Nwankwo, Adejumo O. Samuel                                 | 1329-1345 |
| 96  | Environmental Science and Literary Imagination: An Ecocritical Study of Richard Powers?s the Overstory and Barbara Kingsolver?s Flight Behaviour                                                                              | Ms. T. Authi Bhuvaneswari                                                                                                         | 1346-1354 |
| 97  | Deflected Space?Time?Mass Theory Based on the Space?Time Exchange Rate $?(1-(v/c)^2)$                                                                                                                                         | Dr. Weiguang Huang                                                                                                                | 1355-1363 |
| 98  | Large-Scale Binary Network Intrusion Classification Using a 1D Convolutional Neural Network on CSE-CIC-IDS2018: Performance Evaluation and Methodological Audit                                                               | Sarah Yasmin Yuszairulakhbar, Ahmad Kamalrulzaman Othman, Yusnita Sokman                                                          | 1371-1380 |
| 99  | Effectiveness of Flexi-Bar Training on Core Strength in Adolescent Athletes: A Pre-Post Experimental Study                                                                                                                    | Aishwarya Nitin Sonwane, Ajay Kumar, Kuldeep Deka, M Premkumar, Thrishala Noronha, Anushrutha Acharya, Avani Bhat, Aravind Pramod | 1364-1370 |
| 100 | Legal and Institutional Characteristics of Refugee Education in Greece: A Sociological Approach                                                                                                                               | Georgia Terligkaki                                                                                                                | 1381-1393 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN  | Title                                                                                                                                                                                                                            | Authors                                                                  | Page      |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------|
| 101 | Urine Reuse for Sustainable Agriculture and Nutrient Recovery: An Updated Systematic Evidence Synthesis of Technologies, Agronomic Effectiveness, Environmental Risks and Implementation Challenges                              | Osoma Natrebo Enos                                                       | 1394-1398 |
| 102 | Effect of Human Urine on Soil pH in Ndele, South-South of Nigeria                                                                                                                                                                | Osoma Natrebo Enos                                                       | 1399-1406 |
| 103 | Effects of Antisol and Vigosine on the Performance and Hatchability of Hubbard Breeder Eggs During the 25?35-Week-Old Period                                                                                                     | Pham Tan Nha, Le Thu Thuy                                                | 1407-1419 |
| 104 | Exact Analytical Solutions of the Generalized KdV Equation and the Duality between Focusing and Defocusing Regimes                                                                                                               | Dr. Weiguang Huang                                                       | 1431-1438 |
| 105 | Energy Management and Control of Hybrid AC/DC Microgrid Using Fuzzy Logic Controller                                                                                                                                             | Dr. J. Vinothkumar, Dr. M. Priyadharshini                                | 1420-1430 |
| 106 | Evaluating and Improving Syntax Error Diagnostics in Modern Programming Languages                                                                                                                                                | Pinky E. Erandio, Reagan B. Ricafort                                     | 1439-1446 |
| 107 | Suspected Primary Ciliary Dyskinesia in Chronic Rhinosinusitis with Nasal Polyposis and Situs Inversus Totalis: Diagnostic challenge in a resource-limited setting.                                                              | Dr. Sanyam Mahajan, Dr Rubina Galib, Dr Mehtab Alam                      | 1447-1453 |
| 108 | Story-Based Science Learning Capsules: Its Impact on Scientific Literacy among Grade 7 Science Learners                                                                                                                          | VIRNA T. VALDERRAMA, MAT                                                 | 1454-1462 |
| 109 | The Surrogate Family Fallacy Why Catholic Schools Produce Resilient Souls and Fragile Communities a Theological Reading of a Structural Finding in Adolescent-Resilience Research in the Catholic Archdiocese of Abuja, Nigeria. | Joseph Obada, Andrew Zamani, Therese Leo Ikwuegbu DMMM                   | 1463-1468 |
| 110 | The Impact of Teaching Strategies on Students? Understanding of Circle Theorems                                                                                                                                                  | S.H. Fathima Rinosiya, Sitharie Thilakarathna                            | 1469-1478 |
| 111 | Hybrid Collaboration Frameworks for Interdisciplinary Robotics Projects: A Comparative Study of Academic and Industrial Practices                                                                                                | Ogbu Mary Nnenna C., Richard Obinna Otagburuagu, Udeh Chukwuma Callistus | 1479-1495 |
| 112 | Finite Element-Informed Tunable Control for Robust Vibration Mitigation in Flexible 3D of Robotic Arm                                                                                                                            | Richard Obinna Otagburuagu, Ogbu Mary Nnenna C., Udeh Chukwuma Callistus | 1496-1510 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN  | Title                                                                                                                                                                   | Authors                                                                                                           | Page      |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------|
| 113 | Review of the Porous-Fisher-KPP Equation: Mathematical Theory and Applications                                                                                          | Dr. Weiguang Huang                                                                                                | 1511-1522 |
| 114 | Design and Development of Low Power Wireless Sensor Network for the Measurement of Certain Medical Parameters                                                           | Dr. M. Baba Fakruddin, Dr. K. P. Venkateswara Rao                                                                 | 1533-1542 |
| 115 | Fostering Inductive Reasoning and Learning Experiences About Energy Sources: A Pilot Study of the Picture-Concept Sort Approach in a Rural High School                  | Eda Marie Hitalia, Jeriel D. Divino, Ronilo V. Aponte                                                             | 1523-1532 |
| 116 | Depth Deviation Score: A New Outlier Detection Framework                                                                                                                | Channamma Patil, Ishwar Baidari                                                                                   | 1543-1552 |
| 117 | Design and Evaluation of an Inclusive AI-Driven Learning System for Personalized Technical Skill Acquisition in Resource-Constrained Environments                       | Onyenweuwa Basil O., Ogu Philip E, Utu-Baku, M.A, Nwokoma Chukwuma U.                                             | 1553-1569 |
| 118 | Mindfulness and Spirituality: Conceptual Boundaries, Empirical Synergies, and Clinical Implications                                                                     | Popa Ecaterina                                                                                                    | 1570-1578 |
| 119 | Development and Evaluation of a Multi-Sensor IoT System for Real-Time Condition Monitoring and Fault Classification of an Industrial Electric Motor                     | Emina E. Etomi, Nneka Obi, Donatus U. Onyishi                                                                     | 1579-1598 |
| 120 | ?Water Safety Plan for Six Villages in Panhala Region?                                                                                                                  | Mr. Rhituraj Kishor Patil, Mr. Shrikant M. Bhosale                                                                | 1599-1605 |
| 121 | The Effects of Diaspora Remittances and Investment on Sustainable Development in Nigeria                                                                                | Asagunla, Temitope Michael (Ph.D), Awoyemi, James Olushola, Idowu, Adewole Gbenga, Aladejana, Saheed Aliu (Ph.D.) | 1611-1633 |
| 122 | Design and Experimental Evaluation of a Mobile Agricultural Robot for Soil Parameter Monitori                                                                           | Dr. A. D. Anjkar, Mr. Harshal Borkar, Ms. Samruddhi Kholgade, Mr. Aakar Ramteke, Mr. Pranay Bankar                | 1634-1643 |
| 123 | Perceptions of Public Elementary School Teachers in Alangalang District III Towards the Expanded Career Progression System: Implications to Faculty Development Program | Analiza C. Locion, Virginia S. Ariza                                                                              | 1644-1659 |
| 124 | The Perceived Importance of Clinical Observation Skills for Pediatric Therapists                                                                                        | Blair Carsone, PhD, MOT, OTR/L, BCP, Maie Grisham, OTD, OTR/L, Bryce Smith, OTD, OTR/L                            | 1660-1667 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN  | Title                                                                                                                                             | Authors                                                                                                                                                                                         | Page      |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 125 | A Projected Steepest-Descent Algorithm for the Nonlinear Constrained Optimization of Football Team Performance                                    | Chikwendu, C.R, Ndibe, O.E, Unaegbu, E.N, AGU, C.M                                                                                                                                              | 1606-1610 |
| 126 | Determinants of Solar Photovoltaic Adoption in North-Central Nigeria: A Systematic Literature Review.                                             | Daniel Tersoo Aule                                                                                                                                                                              | 1668-1687 |
| 127 | Mainstreaming Indigenous Knowledge Systems into Flood Disaster Management in the Niger Delta, Nigeria: Evidence For A Hybrid Governance Framework | Obot, Itohoimo Iniabasi, Offiong, Raphael Ayama                                                                                                                                                 | 1688-1699 |
| 128 | Difficulties in Understanding the Arithmetic Mean: An Experience with Problem-Based Learning and ICT in Hybrid Teaching                           | Rubén Darío González Aranguiz, Carlos Mario Vanegas-Ortega                                                                                                                                      | 1700-1716 |
| 129 | Antimicrobial Resistance Patterns among Bacterial Isolates Causing Bloodstream Infections in a Tertiary Care Hospital in Khartoum State, Sudan    | Abdelhakam H. Ali, Tibyan A. F. Abdallah, Susan Ali Zroog, Fatima Elhag Ahmed, Wahaj M. Mohammed, Balsem Hayder, Eltaib M Abd Elrhman, Khaled Abdelsamea, Yassin Nor-Aldaiem, Sababil S. A. Ali | 1717-1731 |
| 130 | Using Large Language Models to Generate Feedback for Educational Assessments: A Comparative Exploratory Study                                     | Lucy Gitiria, Anna Nasyrova, Peter Tran, Stephen G. Sireci                                                                                                                                      | 1732-1742 |
| 131 | Influence of Sprouted Legume-Based Diets on Hematological Indices in Albino Rat Models                                                            | Ojeh Grace Okechukwu, Okorie Stanislaus Udeze, Amadi Nneka Virginia                                                                                                                             | 1743-1751 |
| 132 | Evaluation of Anti Urolithic and Antioxidant Activities of Glochidion Velutinum Leaves                                                            | Deepak Koshti, Sanoj Lodhi, Ramdarshan Parashar, Aakash Upadhyay, Yogesh Sharma, Ajay Singh Thakur                                                                                              | 1752-1775 |
| 133 | Construction Safety Personnel at a Crossroads: Challenges and Organisational Interventions in Malaysia                                            | Mohamad Irwan Pandapotan Harahap, Nur Shamimi Binti Abd Ghafar                                                                                                                                  | 1776-1790 |
| 134 | Effect of Biostimulant FOLERGY on Onion Yield and Quality                                                                                         | P. M. Kothawade, R.S. Wankhade, Y.D. Charjan, S. M. Nage, S. R Bhonde, S.S. Sonawane                                                                                                            | 1791-1798 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN  | Title                                                                                                                                                                                 | Authors                                                                                                                    | Page      |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------|
| 135 | Escaping the Middle-Income Trap in Sub-Saharan Africa: Institutions, Firm Dynamics, and Spatial Development in Kenya's Stalled Transition                                             | Emmanuel Onyinkwa Mokoro                                                                                                   | 1799-1810 |
| 136 | Synthesis and Biological Evaluation of Novel Triazoles from Chalcones And 1h-1,2,4-Triazol-3-Amine                                                                                    | Dhruvil Umeshbhai Sagar, Seema Kher, Rahul Parmar, Bhoomika Gajjar                                                         | 1811-1816 |
| 137 | Real-Time Endpoint Ransomware Detection and Prevention via Strategic Deception Directories and Block-Level Entropy Analysis                                                           | Kia Yi Tong, Muhammad Bin Amran, Megat Muhammad Ridzuan, Muhammad Faris Ezany bin Zikri                                    | 1817-1827 |
| 138 | Crime-Related Keyword Spotting in Low-Resource Nigerian Languages Using Knowledge-Distilled DSCNN for Security Monitoring                                                             | ONI Oluwabunmi Ayankemi, AYENI Joshua Ayobami, IPEAYEDA Funmilola W., OYEDIRAN Mayowa O.                                   | 1828-1834 |
| 139 | Extracorporeal Shockwave Therapy as an Adjunct to Physiotherapy for Tendinopathies: A Scoping Review of Dosage, Modality, Clinical Outcomes, and Treatment Response                   | Prasanth K, M. Premkumar, Madhuripu P, K B Riyas Basheer                                                                   | 1896-1909 |
| 140 | Synthesis and Characterization of Palm Fruit Chaff Cellulose/ Hydroxyapatite/Copper?Zinc Banana Petals Nanocomposite (PFCC-Hap-BPNC)                                                  | Kenneth Abara Ibe, Wisdom Iwurie, Ufuoma Dorcas Adams, Uzuazomaro Veronica Ovilli, Okurame-Ojaide O                        | 1847-1859 |
| 141 | Effect of Immersive Virtual Reality-Based Dual-Task Training on Cognitive Function and Functional Mobility in Ambulatory Children with Pediatric Neurological Disorders               | Nandakumar T P, Dr. Premkumar M                                                                                            | 1860-1866 |
| 142 | Regulatory Effectiveness, IFRS Adoption and Creative Accounting in Nigeria: Evidence from Stakeholder Perceptions                                                                     | ADOYI, Mathias Apochi (PhD, DBA), AMEH, Solomon (M. Sc, MAFI, CFE), OVANSA, Anthony Ohiani (MAF), EKENE, Christopher (ACA) | 1867-1880 |
| 143 | Forensic Accounting Techniques, Regulatory Compliance, and White-Collar Crime Prevention in South-South Nigerian Microfinance Banks: A Multicollinearity-Corrected Account            | ADOYI, Mathias Apochi (PhD, DBA), ETUK, Asukwo Okon, AMEH, Solomon (M. Sc, MAFI, CFE), OVANSA, Anthony Ohiani (MAFI)       | 1881-1895 |
| 144 | Advancing Environmental Stewardship through Action-Based Outdoor Learning: A Community-Based Early Childhood Environmental Education Model in Pigcawayan, North Cotabato, Philippines | Ben Raye Marco                                                                                                             | 1835-1846 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN  | Title                                                                                                                                                          | Authors                                                                                | Page      |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------|
| 145 | AI Agent-Based Multi-Stage Appointment Scheduling System for Clinics                                                                                           | Hor Ying Huai, Suhail S.M. Alqrinawi                                                   | 1910-1921 |
| 146 | Migration, Inequality and Social Integration: Refugee Children's Experiences in the Greek Reception System                                                     | Georgia Terligkaki, Symeon Nikolidakis                                                 | 1922-1936 |
| 147 | Harnessing Photographic Techniques for Advocacy in Visualizing Domestic Violence Experiences in Kabale Municipality, Uganda                                    | Tweheyo Ladan, Nandala Mike                                                            | 1988-1999 |
| 148 | Comparative Study of AI-based Applications and Traditional Methods on Vocabulary and Spelling Proficiency: Implications for Educational Recommendation         | Geraldine L. Gaddi, Virginia S. Ariza                                                  | 2000-2012 |
| 149 | Application of Linear Space on Triangular Intuitionistic Fuzzy Numbers Based on $(\alpha, \beta)$ -Cut Method                                                  | H.C. Chamuah, B.C. Chetia                                                              | 2013-2027 |
| 150 | Light Yield, Non-Proportionality, and Emission Characteristics of Scintillator Materials for Silicon Photomultiplier-Based Radiation Detectors                 | Raja Babu, Ashim Roy                                                                   | 1937-1948 |
| 151 | Impact of Integrated Reporting Disclosures on The Financial Performance of Listed Insurance Companies in Nigeria.                                              | Olure, Adekunle Adeleke                                                                | 1949-1985 |
| 152 | Sturdy RF Direction Finding in WSNs Under Multipath and Non-Line-of-Sight Conditions Using Machine Learning                                                    | Yaseen Naser Jurn, Abeer Tariq Maolood, Ekhlas Khalaf Gbashi, Sawsen Abdulhadi Mahmood | 2028-2036 |
| 153 | Benchmarking Ant Colony Optimization and Simulated Annealing on Nigerian Travelling Salesman Problem Instances                                                 | Anwaitu Fraser Egba, Obikwelu R. Okonkwo                                               | 2037-2050 |
| 154 | From Ethical Awareness to Quality Action: Giving Voice to Values, Ethical Voice and Quality Management in Contemporary Organizations ? A Secondary-Data Study? | Mr. Mofikul Islam, Ex-BSF                                                              | 2051-2072 |
| 155 | Effects of Antisol Supplementation on the Laying Performance and Egg Quality of Hubbard Laying Hens during the 30-40-Week-Old Period                           | Le Thu Thuy, Pham Tan Nha                                                              | 2147-2156 |
| 156 | Measurement and Evaluation of Noise Levels Produced by a Palm Produce Processing Facility with a Maximum Noise Level of 114.69 DBA                             | Etinamabasiyaka E. Ekott, David M. Okon, Kufre Offiong                                 | 2233-2241 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN  | Title                                                                                                                                                                                               | Authors                                                                                                                                                                              | Page      |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 157 | Load-Flow Assessment of Federal University of Technology, Akure 11 KV Distribution Network for Solar PV Integration                                                                                 | A. J. Sotomiwa, M. R. Adu                                                                                                                                                            | 2219-2232 |
| 158 | Association of Parental Factors with Overweight and Obesity Among Children Under Five in the Southern Region of Sarawak                                                                             | Cik Normadiah Bt Said, Law Leh Shii                                                                                                                                                  | 2207-2218 |
| 159 | History of Traditional Healing Practices and Beliefs Among the Kusaasi                                                                                                                              | Gabriel Anabilla Abugri                                                                                                                                                              | 2170-2206 |
| 160 | Short-Form Video Interventions: Evaluating Student Engagement, Achievement, and Attitude towards Science Within Secondary Schools of Jalingo Metropolis, Nigeria                                    | Jack, Gladys Uzezi, Banax, Famiwa                                                                                                                                                    | 2157-2169 |
| 161 | Computational Investigation of the Helicobacter pylori CagF Protein and Identification of Repurposable Drug Candidates through Protein-Protein Interaction Network Analysis                         | Saikat Maity, Sabuj Khatua, Arnab Pramanik, Siddhanta Santra, Deepanjan Chattopadhyay, Tanima Saha                                                                                   | 2073-2090 |
| 162 | Selecting and Sequencing Pranayama Techniques for Adolescent Practice: A Narrative Review of Protocol Design, Dosage and Safety                                                                     | Bindu Madhavi Chintha, D. Ashalatha                                                                                                                                                  | 2091-2101 |
| 163 | Real-Time Probabilistic Pricing of Short-Horizon on-Chain Range-Prediction Markets                                                                                                                  | Junyop Choe, Indran Xavier                                                                                                                                                           | 2102-2115 |
| 164 | Evaluation and Improvement of Post-operative Note Documentation in the Gynaecology Department at Al-Hasahisa Teaching Hospital, Sudan: A Two-Cycle Clinical Audit                                   | M.B. Habeeb, Ahmed Elmustfa Mohammed Sheik Edries, Zainab Osama Elnour Elsharif, Mohamed Elamin Mohamed Ahmed Elkhazien, Zainb Abdalgader Abosen Aman, Elhadi Eltayeb Elhadi Mohamed | 2116-2124 |
| 165 | To Evaluate the Potential Airway Smooth-Muscle Relaxant and Antiasthmatic-Related Activity of the Ethanolic Extract of Alpinia Calcarata Rhizome Using an Isolated Goat Tracheal Chain Preparation. | Ankit ahirwar, Deepak koshti, Ramdarshan Parashar, YogeshSharma, Ajay Singh Thakur, Jyoti Rajput                                                                                     | 2125-2146 |
| 166 | Electoral Violence in Cross River and Akwa Ibom States                                                                                                                                              | Amos W. Obeten                                                                                                                                                                       | 2242-2252 |
| 167 | A Percentile Rank-Based Multi-Criteria Decision-Making Algorithm for Interpretable Hypertension Risk Stratification in Clinical Decision Support Systems                                            | Atabo Onuche Gideon, Barka Piyinkir Ndahi, Idoko Daniel Jonah                                                                                                                        | 2253-2263 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN  | Title                                                                                                                                                                           | Authors                                                | Page      |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------|
| 168 | Breeding for Yield Stability for Sustainable Production of Wheat ( <i>Triticum aestivum</i> L.) in Nigeria                                                                      | Tukur Sani Bubuche, A. Muhammad, N. M. Kwaifa          | 2264-2276 |
| 169 | AI Accuracy in Health Care: From Diagnosing to Disease Prediction, Challenges and Opportunities.                                                                                | Hanan R Alnjar                                         | 2277-2287 |
| 170 | Readiness, Not Restriction: Firm Size, Digital Infrastructure, And the Conditional Effect of Regulatory Intensity on Enterprise AI Adoption in the European Union               | Mohamed Ichou, Saad Ichou, Safouane Ichou, Karim Salim | 2288-2307 |
| 171 | Language, Migration and Educational Exclusion Among Children of Brickfield Workers in Tripura                                                                                   | Dr. Dipankar Biswas, Dr. Arindam Bhattacharyya         | 2308-2318 |
| 172 | Perovskite Nanocrystals Synthesis: Exploring different approaches and ligand influence: A Review                                                                                | Moses Akumefula, Christopher Alisa, Ali Bilar          | 2433-2507 |
| 173 | Maternal Prenatal Stress, Oxidative Stress and Fetal Programming: Integrating Placental, Endocrine, Mitochondrial and Epigenetic Mechanisms and Emerging Therapeutic Strategies | Aliyu Buhari, Lawali Ibrahim                           | 2508-2519 |
| 174 | Influence of ICT Infrastructure on Teaching Performance of Academic Staff in Nigerian Public Universities                                                                       | Ikoh Samson Joseph, Usman Madugu                       | 2520-2531 |
| 175 | Artificial Intelligence-Based Clinical Decision Support Systems in Nursing Practice: Applications, Benefits, and Challenges. A Narrative Review                                 | Idris M, Bamigboye T.O, Oniyide A.A                    | 2532-2538 |
| 176 | Artificial Intelligence-Based Clinical Decision Support Systems in Nursing Practice: Applications, Benefits, and Challenges ? A Systematic Review                               | Idris M, Bamigboye T.O, Oniyide A.A                    | 2539-2555 |
| 177 | Artificial Intelligence and the Academic Lecturer in African Higher Education: A Narrative Review of Preparedness, Perceptions, and Possibilities                               | Memory John Banda                                      | 2412-2432 |
| 178 | Impact of Violence Exposure on Aggression, Anxiety, and Hostility Among Male Adolescent Students                                                                                | Madhar Shameem, Dr.Dhandapani                          | 2353-2359 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN  | Title                                                                                                                                                                                      | Authors                                                                                                                                       | Page      |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 179 | Understanding the Psychosomatic Impact of Occupational Stress among Working Professionals in Lucknow District.                                                                             | Dr. Avadhesh Kumar, Dr. Vineeta Singh                                                                                                         | 2360-2368 |
| 180 | Comparative Review of the Antimicrobial Potential of Azadirachta Indica and Gliricidia Sepium                                                                                              | Nitha Hussain,<br>Mr.M.Madhuranthagan,<br>Dr.Neelaveni Thangavel, Dr. D Benito Johnson                                                        | 2319-2325 |
| 181 | Large Language Models in Natural Language Processing: Recent Advances, Challenges, and Future Directions.                                                                                  | RAMPY, Anjana kumari, RANJIT SINGH                                                                                                            | 2369-2384 |
| 182 | Vibration Analysis of a Euler-Bernoulli Beam on a Winkler Foundation Subjected to Two Moving Distributed Loads                                                                             | Alimi Adedowole, Sule Adekunle JIMOH, Olawale Olanipekun Ajijola, Kayode Samuel Famuagun, Oluwaseun Olumide Okundalaye, Richard Olu Awonusika | 2326-2343 |
| 183 | Virtual Reality-Based Upper-Limb Rehabilitation after Stroke: Effects on Upper-Limb Function, Self-Hygiene Performance and Activities of Daily Living - A Literature Review                | Ramitha R Suvarna, M Premkumar, Hemanth Hon                                                                                                   | 2344-2352 |
| 184 | Phytochemical and Pharmacological Investigation of Hydroalcoholic Leaf Extracts of Hamelia patens Jacq. and Ixora coccinea Linn. for Antidepressant Activity in Experimental Animal Models | Husna Khan, Ramdarshan Parashar, Deepak koshti, Yogesh Sharma, Ajay Singh Thakur, Avani Bilthray                                              | 2385-2411 |
| 185 | Food Insecurity Status Among Rural Households in Kakamega County                                                                                                                           | John Ayieko Aseta, Timothy Masai                                                                                                              | 2556-2568 |
| 186 | Design and Performance Evaluation of a Solar-Powered COB LED Lamp with Lithium-Ion Battery Management System for Off-Grid Communities in Nigeria                                           | Onyeyili Tochukwu Innocent, Ugwuanyi Gilbert                                                                                                  | 2569-2582 |
| 187 | Globalized Food Chains, Localized Risk: A Dietary Exposure and Hazard Quotient Assessment of Residual Cyanogenic Glycosides in Imported Cassava                                            | Emediong U. Ndedu, Moses Friday Anthony, Ikemesit Bassey Awak                                                                                 | 2583-2596 |
| 188 | Governing Digital Transformation in Non-Governmental Organisations: How Board Governance and Leadership Behaviours Shape Sustainable Digital Transformation in Nigerian NGOs               | Adoyi, Mathias Apochi (PhD, DBA), Ameh Solomon (M. Sc, MAFI), Etuk, Asukwo Okon, Ekene, Christopher (ACA), Ovansa, Anthony Ohiani (MAFI)      | 2597-2617 |

## Table of Contents - IJRIAS Vol. 11 Issue 8

| SN  | Title                                                                                                                                                                                              | Authors                                                                                                                                                | Page      |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 189 | In Vitro Antioxidant and Antidiabetic Evaluation of Abrus precatorius Leaf                                                                                                                         | Okeke Chibuzor Okechukwu, Nnaoma Ikenna Elvis, Joseph Rich C, Oguebie Robinson N                                                                       | 2618-2630 |
| 190 | Effect of Fish Effluent on Soil Properties and Sweet Potato (Ipomoea Batatas L.) Performance in Nekede, Owerri, Imo State                                                                          | Peace Chinedu Abana, C. O. Enyia, Emmanuel C. Nleonu, Ogechi M. Okorochoa                                                                              | 2631-2639 |
| 191 | Oblique Impact Response of a Silicone-Rubber-Supported Steel Plate: Analytical Scaling, Explicit Finite Element Assessment, and Energy Transfer Mechanisms                                         | Abdulaziz Alrashidi, Saeed Asiri                                                                                                                       | 2654-2666 |
| 192 | A Theoretical Study of Data Warehouse Architecture Models for Decision Support Systems                                                                                                             | Vaivaw Kumar Singh                                                                                                                                     | 2640-2653 |
| 193 | Analytical Investigation of Antenna Radiation Characteristics Using the Geometrical Theory of Diffraction                                                                                          | Suraj Kumar, Prof. (Dr.) Uma Shankar Chaudhary                                                                                                         | 2667-2674 |
| 194 | Disaster Management in India: An Overview                                                                                                                                                          | Dr. R. Vijaya Krishna                                                                                                                                  | 2675-2681 |
| 195 | Kapalabhati between Purification and Pranayama: A Classificatory Divergence and Its Consequences for Breath Regulation Research                                                                    | Bindu Madhavi Chintha, D. Ashalatha                                                                                                                    | 2682-2693 |
| 196 | An Optimal Machine Learning Framework for Early Detection of Heart Disease                                                                                                                         | Ibeh, C.H., Chikwendu, C.R, Unaegbu, E.N                                                                                                               | 2712-2719 |
| 197 | Enhancing Students? Conceptual Retention in Science Through the Integration of Dual Coding and Elaborative Interrogation Prompts                                                                   | Maica Joy M. Eleccion, Jocelle May V. Dinulos, Genelyn R. Baluyos                                                                                      | 2720-2733 |
| 198 | Assessment of Radiation Shielding Integrity and Structural Compliance in Computed Tomography Facilities in Delta State, Nigeria.                                                                   | Owasa, S.O1, Akpolile, A.F, Agbajor, G.K, Ofomola, M.O                                                                                                 | 2694-2703 |
| 199 | First Detection of the Plasmid-Mediated Fosfomycin Resistance Gene Fosa3 Among Phenotypically Fosfomycin-Resistant Uropathogens in Ibadan, Nigeria: A Cross-Sectional Molecular Surveillance Study | Anjolaoluwa Emmanuel Taiwo, Oluwafunmilayo Abosedede Ayodele, Veronica Olatimbo Ogunleye, Ini Adebisi4, Feranmi, Taiwo Ojo, Adesubomi Adeitan Adegbite | 2704-2711 |