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S. No	CONTENTS	Page No.
221	Some Types of Neutrosophic Ideals in BN-Algebras A.Ibrahim and B. Kavitha	75529-75537
222	On Nano Star Generalized Alpha Closed Set and Nano Star Generalized Alpha Continuous Function in Nano Topological Space K. Baby and H. Aaminumariyam	75538-75544
223	Systematic Inspection of Digital Advert Impact on Teenagers in Artificial Intelligence (AI) Environment Vishwas G	75545-75549
224	Analytical Method Development and Validation for Estimation of Simethicone and Loperamide in Tablet Dosage Forms M.Siva Prasad, P.V.Suresh, N.Rama Rao and M.Dinesh Kumar	75550-75557
225	Bioremediation of Lead and Cadmium Metals from Contaminated Soil Samples using Microbial Siderophore G. Sri Lakshmi, S. Prasanna, K. Mounika, S. Anju, J.Sarada and J. Sai Kumar	75558-75566
226	Predictive Modeling of Financial Distress: A Coot-SCA for Mutual Information Approaches Eega Varnika and G.Madhavi	75567-75573
227	Beyond the Decibels: Delving into the Science of Noise Pollution Rajesh Trehan and Aarti Trehan	75574-75584
228	The Digital Carbon Foot Print: A Threat to Environment Jyoti Sharma, Simran and Nisha	75585-75591
229	Review of the Application of Novel Schiff Baseas Sensors Satvinder Khatkar, Divya Bansa and Bhawna Pareek	75592-75607
230	Nano-Empowerment: Revolutionizing Renewable Energy Through Sustainable Nanotechnology Applications Pariksha Bishnoi and Samarjeet Singh Siwal	75608-75613
231	Polyethersulfone (PES) based, GO-ZnOembedded Membrane for the Fast and Efficient Separation of Oil from Oil Water Mixtures Rohit Goyat and Joginder Singh	75614-75622
232	Fuzzy Analysis of Priority Queuing Model by using Two Different Approach Aarti Saini, Vandana Saini and Deepak Gupta	75623-75630
233	A Solution Approach to Multiobjective Quadratic Fractional Programming with Triangular Fuzzy Numbers by M-TOPSIS Rozy Rani, Vandana Goyal and Deepak Gupta	75631-75642
234	Weakly Compatible Fixed Point Theorem in Modified Intuitionistic Fuzzy Metric Spaces Anju and Vishal Gupta	75643-75652
235	Application of TOPSIS Method to Prevalence of Anaemia Rozy Rani and Deepak Gupta	75653-75660

236	N×3 Weighted Flow Shop Scheduling Problem With Breakdown Interval to Minimize the Rental Cost of Machines Deepak Gupta and Tamanna	75661-75669
237	Exploring The Hydrochemical Properties of Ground Water in Relation to Epidemiological Data in Rural and Semi-Urban Locations of Ambala, India Saloni Kamboj, Nirankar Singh and R.C. Saini	75670-75678
238	Properties of the Adjacency Matrix of Generalized total Graph of finite fields M.Balamurugan, M.Sankaranarayanan and D.A.Pandi Rani	75679-75685
239	A Study on Effects of the Work Environment Influencing Organisational Citizenship Behaviour During Covid-19 Pandemic among IT Employees in Tamil Nadu T Sunitha and Anitha U	75686-75692
240	Anti-Urolithiatic Potential of Nandukkal Parpam against Calcium Oxalate Stone Induced Renal Cell Injury using NRK-52E Cell Lines Gayathri Gunalan, Rajendra Kumar A, Durga A, Sathiyarajeswaran P and Muthu Kumar NJ	75693-75701
241	A Comprehensive Case Study on Complete Trisomy 9 and Mosaicism Trisomy 16 Rescue: Report of Two Rare Cases and Assessment of Phenotypic-Genetic Association Sujithra Appavu, Aruni Wilson Santhosh Kumar, Flora Bai, Vinoth Appavu and Chirayu Padhiar	75702-75708
242	Recognizing the Consequences of Polycystic Ovarian Syndrome on Health - Related Quality of Life for use in Diagnostics Janvika Varma, Aparna Pandey and Urjitsinh Zala	75709-75719
243	Chemistry and Bioactivity of <i>Crocus sativus</i> L. As an Active Ingredient of Cosmetics and Pharmaceutics Ruchi Kohli, Amit Mittal and Anu Mittal	75720-75731
244	Phytochemical Characterization of Commercial Varieties of <i>Melia dubia</i> Cav A Bio Prospective Approach for Sustainable Utility and Conservation Mahalakshmi. R and S. Uma Gowrie	75732-75742
245	Partial Replacement of Copper Slag as a Fine Aggregate - A Review Dindod Rutika and Sharma Ankita	75743-75749
246	Dynamics of Tracking the Glucose- Insulin Interaction Inside the Body of Diabetes Patient's within the Context of Various Fractional Derivatives T.Saradhadevi, A.Kalavathi and R.Baranitha	75750-75765
247	In vitro Anticancer Activity of Permoterma Reticulatum on Human Skin Cancer Cell Line SK-MEL-28 (Skin Melanoma) Ritesh Tiwari , Ritu Jain, Naveen Gupta, Dharmendra Singh Rajpoot and Ajay Kumar Shukla	75766-75772
248	Advancements in Brain Tumor Detection and Classification: Integrating Machine Learning and Medical Imaging Techniques R. Saranya	75773-75781
249	A Clinical Study of "Gunja Taila Nasya" and "Dashmoola Shrit Ksheera Shirodhara Madhu and Gyan Prakash Sharma	75782-75790

250	Nigella sativa: A Botanical Marvel for Modern Neurological Disorders and Beyond Deepak Solanki, Seema Mehdi, K L Krishna, Tamsheel Roohi Fatima, Mohini Milmile, Lenisha Sequeira	75791-75807
251	Digital Comparator using Complementary Metal Oxide Semiconductor Technology Rajendra Prasad Madepogu, Ravi Kishore.G and Prakash Jogi	75808-75815
252	In vitro Anti-Fungal and Anti-Bacterial Activity of Abutilon indicum (Linn.) Flower Extract Meenakshi Sundari T, Saravanakumar A, Sangeetha S and K. Supriya	75816-75820
253	Supportive Model for Improving the Service Quality in the Secondary Education Pankaj Mohindru and Kamaljit Singh	75821-75834
254	Comparative Analysis of Proposed Deep Learning based Vehicle Detection Model for Low Light Intensity Conditions Pramod Kumar Vishwakarma and Nitin Jain	75835-75846
255	Oxidative Stress; A Contributing Factor for Emergencement of Polycystic Ovary Syndrome Ankita Dudhal, Aniket Narayanakar and Sonali Nipate	75847-75853
256	Comparative Evaluation of Effectiveness of Conventional Desensitizing Agents and Diode Laser in Treatment of Dentinal Hypersensitivity using Scanning Electron Microscopy Mukund V.Singh, Indrani Roy, Aparna Palekar, Basawaraj Biradar and Nihar Bhandari	75854-75858
257	An M/M/1 Retrial Queue with Recurrent Customers, Non-Persistent Customers and Server Vacation S.Pazhani Bala Murugan and P.Madhangi	75859-75866
258	Alienation and Hybridization in Rohinton Mistry's Short Story, Lend Me Your Light C. Shahin Banu, M.Renuga, N.Vadivu and G. Saratha Lakshmi	75867-75870
259	Design and Evaluation of Novel Hydrogel Formulation of <i>Tridax</i> procumbens Pallavi Dhekale, Poonam Taru, Reshma Todkari and Renuka Sawale	75871-75876
260	Microplastics Serve as a Vector for Heavy Metals in Euthynnus affinis Collected from South-east coast of Bay of Bengal and An Assessment of Public Health and Well-Being. Yasmeen Ali Rafi, Kuppusamy Elumalai and Deepalakkshmi Balakrishnan	75877-75882
261	A Study on Nano Semi Generalized B - Closed Sets in Nano Topological Spaces K. Kavipriya and T. Indira	75883-75891
262	Optimization of Economic Order Quantity (EOQ) Model in Terms of Trigonal Fuzzy Numbers with Linear Regression Analysis K. Kalaiarasi, and S. Swathi	75892-75900
263	Reinventing Identities: A Study in Chitra Banerjee Divakaruni's Novel N.Vadivu, G.Saratha Lakshmi and C.Shahin Banu	75901-75905
264	A Stochastic Model for Length Biased Uma Distribution with Properties and its Applications M. Sakthivel and P. Pandiyan	75906-75922

265	Phytosomes as Novel Drug Delivery System for Herbal Extract and Phytoconstituents Pratiksha S. Waghmare, Rutuja Titkare and T.A. Sande	75923-75940
266	Crafting Harmony: A Panoptic Review on Types of Mixture Design and it's Pragmatic Outline Vaishnavi Bhosale, Pooja Munjal, Chaitali Dongaonkar, Shashikant Dhole, Bhagyashree Parande, Nikita Kapale and Pooja Ghule	75941-75948
267	Teachers' Perception on the Role of Occupational Therapy in School Settings: A Cross-Sectional Study from Alahsa City, Saudi Arabia Senthil Vadivel, Talal Alshammari, Christopher Amalraj V, Arun Vijay Subbarayalu, Raju Suresh Kumar, Suresh Melamalai, Hussain Albagshi, Ahmad Alonizan, Mohammed Aldakhil, Redha Snyhr	75949-75960
268	Optimizing Resilience and Goal Achievement – A Psychological Study Od Shashi Deshpande's Select Novels G.Saratha Lakshmi	75961-75963
269	K- Algebra on Pentapartitioned Neutrosophic Sets R.Radha and R. K. Gayathri Devi	75964-75971
270	Heart Disease Prediction using Machine Learning and Multi Agent Systems Chandanita Thakur, Shibakali Gupta and Somsubhra Gupta	75972-75980
271	Impact of Row Planting Teff Technology Adoption on Small Holder Farmers' Income in Dendi and Ejere Districts of West Shewa Zone, Ethiopia Aman Rikitu, Arif Abrahim, Amsalu Kaba, Dabesa Wagari and B. Chandra Sekhar Singh	75981-75992
272	Bioanalytical Method Development and Validation of Lacidipine in Human Plasma by LC-MS/MS K.E. Pravallika, T.Gurumurthy and P.Ravi	75993-75998
273	Decision Making Method to Assess the Most Affected Diseases among the People in the Particular Area using Fuzzy Soft Matrices R.Hema and S.Prabha	75999-76007
274	Prediction Model for Identifying the Impact of Business Innovation in Service Industries R.Subalakshmi and D.Ramya	76008-76013
275	A Study of Technology Skills among Secondary Level Students in Relation to their Personality Traits Ashish Choudhary and Mool Raj Sharma	76014-76022
276	Phytochemical and Antibacterial Activity of Medicinal Plant <i>Strychnos nux-vomica</i> , L Loganiaceae C. Sathya and M.N. Abubacker	76023-76029
277	An M/G/1 Retrial Queue with Recurrent Customers, General Retrial Times, Switchover Time and Working Vacation S.Pazhani Bala Murugan and A. Jeba Pauline Veronica	76030-76038
278	Cultural Development and Scientific Ingenuity: Sultan Zain-ul-Abidin's Enduring Legacy in Kashmir Sarfaraz Ahmad Rather and R. Rajeshwari	76039-76045
279	Survey Study of "Kaal Bhojanam Aarogyakaranama" in Relation to Agni Nisha Jakhar, Rajesh Kumar Sharma and Dinesh Chandra Sharma	76046-76053

280	In silico Exploration for Anti Snake Venom Natural Compounds Targeting Phospholipase Lurdhu mary.Kunduri, Srikala kamireddy, Dr.CH K V L S N Anjana Male, A.G.N.Harshitha Devi Kota.Sandhya, Potturi.Bhuvaneswari, D.Veeresh,D.Jayasri, B.Lakshmi Deepika	76054-76064
281	On b-gp (b-gsp)-Closed Sets in Binary Topological Spaces P.Sathishmohan, R.Nesarajithamani, K.Rajalakshmi and V.Rajendran	76065-76078
282	Between $N\theta$ -Closed Sets and N-Closed Sets T. Chandralekha and P. Periyasamy	76079-76084

Editorial...

Science and Women Empowerment



No one can deny that the contribution of women is behind all the various advanced scientific and technological innovations that we use today. But historically, women have been underrepresented in these fields due to various factors including social norms and prejudice. The need to promote women's empowerment and gender equality is critical, especially in the fields of science, technology and engineering. It is a fact that by empowering women and promoting gender equality, we can create a more inclusive, diverse and robust scientific ecosystem. Encouraging and supporting women's participation in scientific fields is

essential for diverse innovation. By empowering women and promoting gender equality, we can create a more inclusive, diverse and robust scientific ecosystem. From improving health to combating climate change, harnessing the diversity and talents of women can broaden the bases of research by prioritizing them in these fields. The women's community always has new perspectives, talent and creativity. Global programs for sustainable development proclaim that women and girls play an important role in scientific and technological communities and that their participation should be strengthened. While science, technology, engineering and mathematics (STEM) fields are considered critical to national economies, experts say we have yet to achieve gender parity in these fields. A significant gender gap at all levels has persisted over the years. Although women have made tremendous progress in increasing their participation in higher education, they are still underrepresented in these fields. Gender equality will not only contribute to the world's economic growth, but also to progress towards all the goals of the 2030 Agenda for Sustainable Development. It is the empowerment of women and girls. Only one in five (22%) are women in cutting-edge fields like artificial intelligence. Only 12% of the members of the Academies of Sciences are women. Despite skills shortages in most technology fields fueling the fourth industrial revolution, women still make up 28% of engineering graduates and 40% of computer science and informatics graduates. Currently, UNESCO is taking action in the field to promote and recognize the talents of women researchers. It is good news that the Government of India and the State Government's Science and Technology Departments are devising and implementing the necessary programs to fully involve women in the fields of Science, Technology and Engineering. According to a recent UNESCO Science Report, women currently make up one-third of scientists and 37% of marine scientists. Women are breaking the glass ceiling of social barriers, starting scientific careers, and moving the world forward through their research. It is the expectation of academics that in our educational policies, it is necessary to immediately take all necessary steps to position women in higher education and especially in research.

Editor, IJONS

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