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Indian Journal of Natural Sciences (IJONS)
(Bi- monthly – Print)

Volume XVI (16)		April 2025
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S. No.	CONTENTS	Page No.
001	First Record of Edible Moth <i>Antheraea assama</i> and its Nutritional Composition Mallika Gogoi and Jharna Chakravorty	90494-90498
002	A Systematic Survey of <i>Molluscan fauna</i> in an around Nagapattinam Coastal Area in Nagapattinam District, Tamil Nadu, Southern India R. Vallipriyadharshini and T. Sumathi	90499-90507
003	Physicochemical Evaluation and GC-MS Analysis of Infused Oil from Medicinal Plants – <i>Mangifera indica</i> L. and <i>Piper betle</i> L. Leela .K and Anita R J Singh	90508-90514
004	A Comprehensive Review of Limonene: Exploring its Biosynthesis, Ecological Impact and Aromachological Aspects Nissam Sainudeen, Divya Vattoly, N. Yogananth and M. Syed Ali	90515-90522
005	Evaluation of Antibacterial Activity and Bioactive Compounds in <i>Solanum trilobatum</i> Extracts S. Megala, S. R. Paranthaman, P. Poonguzhali, P. Saranraj and T. Sheela	90523-90532
006	Phytochemical Screening and Evaluation of Anti-Proliferative Effects of <i>Mukia maderaspatana</i> in MCF7 Cell Lines R. Sharmila, Neelaveni, Sherin Rebecca , Vanmathi Vidhyashini and Anita Margret	90533-90540
007	Phytochemical and Spectroscopic Characterization of <i>Millingtonia hortensis</i> L.f. Flower with Antibacterial Activity Assessment S. Parama Sakthi and S. Gomathy	90541-90550
008	Review on Yellow Spotted Millipede <i>Harpaphe haydeniana</i> K. Vijaydharsani and Horne Iona Averal	90551-90555
009	Metagenomics and Fungal Identification: Exploring Fungal Diversity through Genomic Insights Ruchi Yadav	90556-90566
010	Exploring Antibacterial and Antioxidant Properties of Nanoceria Synthesized from <i>Tamarindus indica</i> Fruit Shell Extract for Biomedical Applications V. Sakthivel, E. Komathi and K. Sheela	90567-90575
011	Evaluating Medicinal Plant Importance and Community use Patterns in Korampallam Village, Thoothukudi District, Tamil Nadu Pauline Jenifer. S and Beulah Jerlin. S	90576-90585
012	Bio prospecting of Crustaceans gut Bacterial Flora from the Coast of Bay of Bengal, Chennai, Tamilnadu Gomathi.M, Krishnaraj.M, Aruna.S, Priyadharshini.G, Bhoomika Sharma, Shanmuga Priya. R	90586-90598

013	Toxicity Study of Red Marine Alga <i>Gracilaria salicornia</i> (C. Agardh) from the Tamil Nadu Coastal Ecosystem against the Rice Leaf Folder, <i>Cnaphalocrocis medinalis</i> (Guenee) Priyanka .K, Rajaguru .S and Kannan .R	90599-90605
014	An Ethnobotanical Survey of Medicinal Plants in Marudhur Village, Karur District, Tamil Nadu, India C. Venkata Lakshmi, M. Bhuvaneshwari, M.Periyasamy, C. Ravinder Singh and C. ChitraVadivu	90606-90614
015	Nutritional Interventions in Managing Behaviours of Children with Autism Spectrum Disorder- A Literature Review A. K. Umera Begam and G. Sasikala Hephzibah	90615-90623
016	Impact of Wildlife Trafficking and Poaching on Tiger (<i>Panthera tigris</i>) Population in India: A Comprehensive Review Kaji Mainuddin, Monisha Mondal , Souradypta Paul, Amrita Das Gupta, Avirupa Chatterjee and Dipanwita Datta	90624-90630
017	Isolation and Characterization of Triphenylmethane Decolorizing Bacteria Gowri Subramanian, Rizelia C. Rodrigues and Padmashree Kulkarni	90631-90641
018	A Study on Knowledge of Pineapple Growers under the Recommended Package of Practices in Cultivation in Manipur State Nongmaithem Gyaneshor Singh, R. Muthukumar and D. Velmurugan	90642-90650
019	The Effect of Bowen Technique and Neurodynamic Sliders to Promote Flexibility in Hamstring Tightness in Asymptomatic College Students Surendhar Mohan, Prathap Suganthirababu and Maheswaran K Ravikumar	90651-90658
020	EARAA – A Machine Learning Approach to Energy Optimization in 5G and IoT Networks Soumya Roy and Gouranga Bag	90659-90667
021	An Astrological Insight on Ayurved Bhumi Lad and Akshar Ashok Kulkarni	90668-90674
022	<i>Plectranthus barbatus</i> Andrews: Unveiling the Phytochemical Symphony and Advancing Molecular Barcoding for Reliable Identification in Herbal Products Mohitgiri A. Goswami, Manish L. Vekaria, Virendra J. Patel, Vrinda S. Thaker and Hiteshkumar A. Solanki	90675-90689
023	Innovative Sublingual Antihypertensive Tablets: A Quality by Design Approach Ishan Dubey, Raksha Goswami, Deepak Kumawat, Rashi Agrawal, Muskan Jain and Khushboo Sharma	90690-90698
024	Immediate Effect of Dynamic Stretching and Active Release Technique (ART) on Sit and Reach, in a Patient with Calf and Hamstring Tightness –A Comparative Interventional Study Arya Nandalal Dadhaniya, Himashi Harshadrai Ruparelia and Ashish Dhirajlal Kakkad	90699-90703
025	Just the Tip of the Iceberg: Nutritional Assessment and Management of Hyperglycemia during Carcinoma of Stomach – A Case Report Soma Basu and A. J. Hemamalini	90704-90708

026	Literary Comparative Analysis of Cow, Goat, and Buffalo Curd: Ayurvedic Perspectives on Nutritional Composition and Therapeutic Potential Bharat Patil , Vaidehi Raole and Ashwini Patil	90709-90714
027	Appraisal of Feasibility of BRTS Route in Lucknow AR. Shagufta Irshad, Indrani Chakraborty, Subhrajit Banerjee and AR. Gaurav Singh	90715-90724
028	Physico-Chemical Dynamics and Microplastic Contamination in Mysore's Kukkarahalli and Dalvoy Lakes Ashashree .N .R and Raju .N .S	90725-90733
029	Scanning Electron Microscopic Changes in the Fat Body of Adult Male <i>Sphaerodema rusticum</i> (Heteroptera : Belosmatidae) Treated with Chromium B. Babitha, V. Rajathi and S. Sankar Samipillai	90734-90740
030	Production and Characterization of Xanthan Gum from Agro-Industrial Waste Mansi Mulani, Tulsi Prajapati and Smita Parekh	90741-90751
031	Systematic Significance of Anatomical Characterization on <i>Cleome</i> Species of the Family Cleomaceae P.Sathishkumar, J. Logeshwari, R. Rakkimuthu, A.M. Ananda Kumar and D.Sowmiya	90752-90760
032	Preliminary Studies on Migratory Status and Seasonal Distribution of Birds of Majathal Wildlife Sanctuary, Himachal Pradesh, India Navneet Kaur, Harinder Singh Banyal and Jyoti Thakur	90761-90769
033	A Pilot Study on the Correlation between Cheilosopic Patterns and Ayurvedic Prakriti : A Randomised Open-Label Analysis Riya Joy, Dattu Narayanrao Bandapalle and Amal Thomas	90767-90779
034	Synthesis and Spectral Hammett Correlation Study of Some Substituted 2-Benzylidene-1-Tosylhydrazines V. Manikandan, R. Arulkumaran, R. Sundararajan, K. Ranganathan, P. Christuraj, I. Muthuvel, V. Usha, V. Sathiyendiran and G. Thirunarayanan	90780-90788
035	Effect of Two Geomagnetic Storms on TEC at EIA Region Bhopal during the Ascending Phase of the 25 th Solar Cycle Amita Pal, Richa Trivedi, Amit Jain and Sudhir Jain	90789-90800
036	Hydrochemical Evaluation of Ground Water from Basaltic Terrain in Aundha Nagnath Tehsil of Maharashtra through WQI and GIS Approach Vaishnavi Raut, Vasant Wagh, Kartik Tadse and Uday Sahu	90801-90811
037	Intrusion Detection System using Spiking Neural Networks with Temporal Encoding and STDP Learning R. Eswin Pria Angel, R.C. Evangeline and P. Raviraj	90812-90817
038	Screening Models and Phytoconstituents for Antidepressant Activity: A Comprehensive Overview Vivek T. Kumbhar, Sanganna C. Burli, Prashant S. Kumbhar and Vikas R. Dhole	90818-90829
039	Assessment of Quality of Life in Cegana Vaatham (Cervical Spondylosis) Patients undergoing <i>Varmam</i> Therapy Sasikumar .E, Muthukumar .N .J, Samundeswari .P and Nivetha .G	90830-90836

040	The Health Benefits of Ascorbic Acid in Management of Several Diseases : A Narrative Review Luxita Sharma and Dhananjay Sharma	90837-90844
041	Comparative Evaluation of Remaining Dentin Thickness and Time Required for GP Removal using Two Different Retreatment File Systems : An <i>In-vitro</i> Study Mukund V Singh, Rutuja Dhole and Aparna Palekar	90845-90850
042	Survey on Deep Learning based Tampering Detection Techniques for Secure Image Manipulation S. Karpagadeepa and P. Sumathi	90851-90858
043	Transdermal Drug Delivery System for Treatment of Hypertension Harsha H. Tarare, Divya S Chatur, Laxmikant B. Borse and Amit Gaikwad	90859-90869
044	Preliminary Phytochemical Exploration and FTIR Characterization of the Moss <i>Himantocladium plumula</i> (Nees) M. Fleisch Jerry C. Jacson and Remya Krishnan	90870-90875
045	A Strategic Approach to QMS Compliance: Insights Gleaned from FDA Warning Letters Deepika and Koushik Y	90876-90886
046	Agri-Tourism and Sustainable Farming: A Synergetic Approach for Rural Development and Environmental Conservation Varanasi Rahul, Rachana Saxena, Charu Agarwal and Deepak D	90887-90893
047	Accessorial Nuisances by Avian Species at open Dumping Site: A Case Study Sauvik Bose, Rina Bhattacharya and Rajeshwari Roy	90894-90899
048	Economic Empowerment of Women and Sericulture : A Socio-Economic Study of Ranibandh Block of Bankura District, WB, India Pragati Patra, Subhajit Mahanty, Anupam Ghosh, Ulfat Khan, Surajit Majumder and Rajendra Prasad Mondal	90900-90909
049	Data Envelopment Analysis for Estimating Efficiency of Hospitals: A Comparative Study using CCR and BCC Models Manish Sharma, Sufia Aziz and Smita Verma	90910-90917
050	Inclusive Survey Regarding Image Tampering using Deep Learning Techniques Prince Joy and B. Jayanthi	90918-90924
051	Role of <i>Ocimum basilicum</i> in the Management of Diabetes and Cardiovascular Diseases - A Systematic Review Debasrita Banerjee and Luxita Sharma	90925-90935
052	An Open Clinical Evaluation of Vasambu Patru (Semi-Solid Polutice) in the Management of Azhal Keelvaayu (Osteoarthritis-Knee) - A Pilot Study A. Adlin Reshma, M. Arun Prasath, M. Nivetha Priya and M. Kannan	90936-90942
053	Efficacy of Commercial Soaps in Inhibiting Skin Pathogens: An Agar Well Diffusion Study Shrikant Yadav, Laxmi Yadav, Neetu Mehta, Mukul Mudgal, Sandeep Yadav and Madhuri Garg	90943-90948

054	A Study on Urinary Tract Infections among Adults in Western Uttar Pradesh Angela Laldinpuii Renthlei, Anshu Kumar Singh, Zeba Maj Umesh Kumar Meenakshi Mishra and Pankaj Kishor Mishra	90949-90957
055	Traditional Knowledge of Medicinal Plants Survey in Paruthivilai Village, Nagercoil, Kanyakumari District, Tamilnadu, India. E. Santhiya and R. Mahesh	90958-90965
056	Case Study of Apasmara- Specific Effect of Panchgavya Ghrita with Conventional Treatment Chitranjan Sharma and Vijay Bhagat	90966-90972
057	A Breakthrough in Treating Tuberculosis - BPaLM Regimen K. Purna Nagasree, J. Jainam, B. Surekha and K. Swathi	90973-90986
058	Innovative Approaches to Kidney Disease Detection via Automated Urinalysis Vishant Pal, Shivani, Rahul and Akash Kumar	90987-90993
059	Some New Types of Nano Closed sets in Nano Topological Spaces A. Amala Priya	90994-90999
060	Effect of Structured Teaching Programme on Knowledge Regarding Triage among 4 th Year B.Sc. Nursing Students in a Selected Nursing College, Guwahati, Assam Smita Limbu and Yumnam Chanu Superior	91000-91006
061	Anemia among Women of Northeast India in the Reproductive Age : A Cross - Sectional Analysis of the Trends and Determinant Factors Sabrina Sultana Rahman and Ruma Talukdar	91007-91017
062	Modelling and Forecasting Rice Production Volatility: A Threshold Auto Regression (TAR) Approach for Predictive Insights Kesavulu Poola, Sahana B S, Sakthi Kamal Nathan and Sachin K Parappagoudar	91018-91026
063	Dynamics of an Influenza Epidemic Model with Vaccination and Treatment A. Venkatesh, K. Arun Kumar, M. Prakash Raj and M. Manivel	91027-91039
064	Eco-Friendly Beauty : A Review of Herbal Cosmetics M. Priyadharshana	91040-91047
065	Petrogenesis and Geochemistry of Dolerite Dykes in Ranipet District, Northern Part of Southern Granulite Terrain, Tamil Nadu, India S. Rameshkumar, A. Thirunavukkarasu, C. Ramachandran, C. Sakthivel and C. Kasilingam	91048-91062
066	Advanced Thermal and RGB Fusion for Animal Classification : A Deep Learning Approach K.Chinnaraju and K.Prabavathy	91063-91067
067	Therapeutic Efficacy of Punarnavadi Yoga Basti in The Management of Benign Prostatic Hyperplasia: A Case Study Kashyap K. Patel, Aswin Haridas, Akhi Radhakrishnan and Dhairyjeetsinh Gohil	91068-91074
068	Face Recognition System for Real-time Attendance Monitoring using Open CV N Krishnamoorthy and Anubhav Lal	91075-91082

069	A Review on Environmentally Responsible, Efficient and Sustainable Methods for Investigating Natural Dye as a Green Material and its Nature to Textile Dyeing Naveen Kumar and Shyam Vir Singh	91083-91094
070	Effect of Symptoms Limited Exercise Training on Functional Status and Maximum Oxygen Consumption in Patients with Non-Operated Stable Coronary Artery Disease - A Pilot Randomized Controlled Trial Brijesh Acharya and R. Harihara Prakash	91095-91102
071	Impact of Social-Economic Conditions by Weekly Markets in Improving Sustainability among Rural Villages in Kanchipuram District of Tamilnadu V. Vinuchakravarthi, A. Vikraman, S. Gayathri and S. Srinivasan	91103-91109
072	Breast Cancer Mammogram Image Classification using Transfer Learning Garima Charan and Jyoti Lakhani	91110-91117
073	The Mediating Effect of Marital Adjustment and Social Support on the Relationship between Partner Abuse and General Health C. Lalfamkima Varte, C. Lalfakzuali and Sunaina Subba	91118-91125
074	Signature Forgery Detection using Neural Networks Pranay Sharma, Sanket Kisan Chavhan, Lekshmi Kalinathan, Marimuthu Marimuthu and Saravanan Palani	91126-91135
075	Resilience and Recovery of Micro, Small, and Medium-sized Enterprises (MSMEs) Post-Natural Disasters: A Systematic Literature Review Sushant Kumar, Kapil Lakhera and Radha Tripathy	91136-91152
076	Prediction of Chronic Kidney Disease using Machine Learning Vinitha Bodla, Yerram Dharshitha, SomanpallyVinay and V. Rajasekhar	91153-91157
077	Ayurvedic Management of Oligoasthenospermia - A Case Study Janki R. Bopaliya, Vaidehi V. Raole and Dharmendra Dhoriyani	91158-91165
078	A New Area-Biased Remkan Distribution with Properties and its Applications O. Anu and P. Pandiyan	91166-91175
079	On Interval-Valued Closed Sets and their Generalizations in Interval-Valued Topological Spaces S. Dijitha and M. Navaneethakrishnan	91176-91183
080	Seizing Nutritional Status : The Underexplored Impact of Epilepsy Soma Basu, Ranjith Kumar Manokaran and A. J. Hemamalini	91184-91188
081	A Novel Methodology for Assessing Teachers' Perception of Students' Blended Assessment Shivali Verma and Aman	91189-91200
082	<i>In vitro</i> Evaluation of Antioxidant and Anti-Inflammatory Activities of Date Palm Fruit Extract : Potential Therapeutic Implications M.Mahesh Yadav, Fatima Sanjeri Dasankoppa, Kamaladevi Kshatriya, Hasanpasha N Sholapur, Pranav B Patil and Rohan Ravsaheb Latwade	91201-91211
083	Influence of <i>Cereus repandus</i> Stem Extract on the Corrosion Inhibition of Mild Steel in 1N HCl Solution and Quantum Chemical Approach S. Gladiyarani and N.Gunavathy	91212-91218

084	Assessment of Pesticide Residues in Soil of Agricultural Fields at Nanjangud Taluk of Mysore District, Karnataka, India Bharath Mand Raju N S	91219-91223
085	Koch's Spine : A Complex Case of Extra Pulmonary Tuberculosis with Multisystem Involvement Y. Pavan Kumar, Yati Raj, Jakkula Supriya, V. Hema Ratna Sai Lakshmi and Praveen Sana	91224-91229
086	A Verification Method of Human Identification using Bite Marks based on the Improved Inception V4 Model Sonali Ajay Mohite, Bhavana Narain and B. T. Jadhav	91230-91237
087	Advancing Liposomal Therapeutics: Breakthroughs, Barriers and Opportunities - A Review Amrita Nayak, Harsh Ker Sharma, Yogesh Rai, Mohit Panigrahi and Ashish Nag	91238-91247
088	Behavioral Shifts in Remote Work and their Environmental Implications: A Natural Sciences Perspective Shalini Acharya, Uma C. Swadimath and Ishita Gopi	91248-91258
089	Quadrilateral Route Factor Assessment in Manet M. Kundalakesi, S. K. Badhrinarayanan, E. P. Manoj and B. Kabil	91259-91269
090	Travel Time Analysis on a Road Network of Signalized Intersection Bhargav H. Jaiswal, Neelkanth Bhatt and Harishkumar Varia	91270-91280
091	A Study of the Relationship between Social Media use and Stress in Young Adults Deepanshu and Shonali	91281-91287
092	A Review on: The Deadly Disease in Pediatric Sporadic Caused by CHPV Encephalitis due to Temperature of Climate Variability Nisha Retrekar, Gaurav Agrawal, Gaurav Sarsodia, Ritesh Patel, Ayushi Jain and Deepika Bhawsar	91288-91295
093	Union Cordial Labeling of Tree Related Graphs P. Hameetha Begum, M. Amirthakodi and S. Akila Devi	91296-91300
094	Assessing Depression and Gastro-Intestinal Problems in Post Bariatric Surgery Subjects Post 1-Month of Surgery Kinjal Trivedi, Madhavan Iyengar and Bhavana Gadhavi	91301-91307
095	Optimizing Aspect - based Sentiment Analysis for Code-Mixed Gujarati Texts : Methodological Innovations and Practical Applications Shyam Viththalani and Krunalkumar Patel	91308-91317
096	Effect of Complex Training on Physiological Variables of Team Game Players of CUPB M. John, Wise Blessed Singh, K.V Balamurugan and W. Vinu	90318-91322
097	A Comprehensive Review of Vitamin D Deficiency Conditions in Clinical Practice: Diagnosis, Treatment, and Prevention Soumya P.V, Anumol, Kripa K.B and Riya Fathima V.S	90323-91330
098	Using Graphic Organizer to Develop Metacognitive Awareness in Mathematics Class Room of Elementary School Students Rekha Dhyani	91331-91335

099	Optimized Deep Learning - based Electrical Fault Detection in Power Transmission Grids C. Daxayani and N. P. Ananthamoorthy	91336-91345
100	Application of Intuitionistic Fuzzy Multi-Objective Linear Programming of Fuzzy Optimization Techniques in Agriculture R. Bharathi and T. Geetha	91346-91353
101	A Study on the Effects of the COVID-19 Caused Shutdown has on the Workers the Leather Processing Sector in South Asia MD Bilal KV and S.Allah Baksh	91354-91362
102	The Relationship between Severity of Dysmenorrhea and Menstrual Characteristics among Deaf and Mute Girls Jagdish T Gohil and Neelam K Rathod	91363-91369
103	Exploring Marketing Strategies for Fertilizer Adoption in Developing Countries : A Secondary Data Perspective Sudam B. Shinde, Nitin B.Wable and Rahul K. Khandelwal	91370-91376
104	Repurposing of Diabetic Drug to Treat Parkinson 's Disease G.Vasantha, Jaldu Sai Sindhu, Gondesi Srinidhi and Meda Jhansi	91377-91383
105	A Study on Psychological Counselling Needs for Class 9th Students Pooja Shukla and Hariom Chauhan	91384-91388
106	Food Quality Monitoring Arjun Bambhaniya, Deepak Vala and Jagdish Rathod	91389-91394
107	Energy Assessment and usage Prospect of Renewable Energy Resources at Anandabag Tea Estate Pranjal Sarmah, Elora Baruah, Dipankar Das, Surendra Kumar Yadav, Virendra Kumar and Partha Protim Borthakur	91395-91403
108	Selecting Nutrition and Diet for Toddlers with Iron Deficiency using a Neutrosophic Hypersoft Matrix P. Vithya and R. Sophia Porchelvi	91404-91411
109	Assessment of Health - Seeking Behavior and its Barriers among Women with Breast Cancer Mogana Priya B, Pravin Kumar M, Lakshana K, Vanitha Rani N, Bhawna Dev, Venkatesan Singaram and Jayasutha Jayram	91412-91418
110	Effect of Muscle Energy Technique Along with Strengthening Exercise on Shoulder Function and Scapular Position in Upper Cross Syndrome Maheswaran K R, Surendhar Mohan, Surya Vishnuram and Senthil Kumar N	91419-91430
111	Successful Ayurvedic Management of Granulomatous Vocal Cord Lesion - A Case Study Chaya .C and Jyoti	91431-91435
112	An Overview of Hazard Analysis Critical Control Points Kirthika Ravi, Akshaya Kumaravel, Mohamed Anas Abdul Rahim and R.Jasmin Sajini	91436-91449
113	A Mathematical Investigation of the Improvement of Heat Transport through a Variety of Nanofluids Shilpi Saraswat and Rajesh Johari	91450-91456

114	Multidimensional Benefits of Digitalisation in Organised Retail: Insights from Kerala's Diverse Ecosystem Ninikala .K	91457-91467
115	Decoding the Consumer Change to Herbal Products : An Analytical Approach G.Uma and G.L.Hariharan	91468-91473
116	Shadow Education: A Theoretical Exploration of Private Tutoring and its Implications for Equity and Access in Global Education Systems Sachin Kumar, Poonam Pandita and Kiran	91474-91486
117	Standardization of Vaazhai Pazha Jayaneer and Evaluation of its Anti-Bacterial Property against Urinary Tract Infection (<i>Neerchurukku</i>) Causing Pathogens P.Shanmugapriyan, R.Suresh, T. Senthana, S. Sudha Revathy and R. Meenakumari	91487-91493
118	Social Media Influence Maximization using Convolutional Neural Network and Recent with Graph Neural Networks A. R. Karthekeyan, R. Saveetha and S.Deepika	91494-91504
119	Suicide Investigations through Psychological Autopsy: Trends and Future in Forensic Science Souvik Dhar, Ayush Jha and Ankita Rituraj	91505-91513
120	Assessing the Therapeutic Potential of Balyadi Lepa and Kanji: A Pharmacologic Analytic Approach Hemangini Malivad, Omprakash Dave and Hitaba Gohil	91514-91520
121	Ergonomic Factor based Analysis on Characteristics of Quality Work Life among Office Workers Rashmi R and Bhavya Vikas	91521-91532
122	An Analysis of Diabetes Awareness among Truck Drivers in Delhi NCR (National Capital Region) Anand Chinnakaran, K. Maharajan and Beena Antony Reji	91533-91537
123	To Check the Awareness and Practice in Pregnant Woman for Infant Oral Health and Self-oral Hygiene Vidushi Sheokand and Anshu Blaggana	91538-91541
124	Notes on Plithogenic Fuzzy M-Subgroup of an M-Group and its Applications P. Pandiammal and J.D. Sundari	91542-91557
125	Functional Recovery in Adolescent Transverse Myelitis through Combined Functional Electrical Stimulation (FES) and Exercise Therapy: A Case Report Stephy Angel M, Sarulatha Haridas and Anjali Suresh	91558-91567
126	Performance Evaluation of Numerical Estimation Methods to Obtain the Weibull Parameter in Wind Energy Assessment in Kolkata City Syed Mujibur Rahman, Mafidur Rahman and Himadri Chattopadhyay	91568-91574
127	A Bibliometric Analysis of Fintech with Reference to Digital Payment: An Empirical Investigation Jayendra P. Siddhapura and Chitrallekha H. Dhadhal	91575-91579

128	A Cryptographic Technique Utilizing Trigonometric Ratios Enhanced by Hankel Transformation Divita Sharma, Sarswati Modi, Priyanka Sisodiya and Nidhi Deshmukh	91580-91586
129	Hyaluronic Acid in Dentistry : A View Point Gowri Pendyala, Saurabh Joshi and Amit Mani	91587-91593
130	A Comparative Analysis of Employee Psychological Contract in Manufacturing vs IT and ITES Companies Santhosh K V and Bhavya Vikas	91594-91602
131	Examining the Influence of ICT on Teaching and Learning Practices in Indian Higher Education: Navigating Challenges and Opportunities Basudeb Jana, Tapas Giri and Srikanth HG	91603-91613
132	Deteriorating Assets Quality and its Impact on Wealth Creation of Shareholders with Reference to SBI Jagadish. H and Shivakumar. S	91614-91621
133	Exploring the Integration of Environmental Sustainability in Teaching Practices among Teachers of Higher Education Institutions Sangeeta Chauhan, Sonu Bara, Michael Tarance Suraj and Prashant Kumar Astalin	91622-91632
134	An Observational Analysis of <i>Snayu</i> : A Focus on <i>Shakhagata Pratanvati Snayu</i> w.s.r. to Upper limb Avani Patel and Dattu Narayanrao Bandapalle	91633-91639
135	Minus Ordering in Ternary Semiring T. Pandiselvi and S. Anbalagan	91640-91646
136	Total Graph and Total Burning Komala .S and Mary U	91467-91650
137	Green Synthesis of Magnesium Oxide Nanoparticles using Neem Leaves and their Antimicrobial Activity S. Aron Rabi, A.T.Ravichandran and A. Joseph Sagaya Kennedy	91651-91657
138	Sustainable Branding and Consumer Perception: An Overview in the Indian Context Boregowda M A	91658-91665
139	Advanced Time Series Analysis and Forecasting with ARIMA Models Prakruti D. Dave and Hiren S. Lekhadiya	91666-91671
140	Restoring Cervical Health : An Ayurvedic Perspective on Cervical Erosion Yatri Kanubhai Thakker and Mauli Vaishnav	91672-91678
141	Groundwater Pollution in West Bengal: Challenges and Solutions to Arsenic Contamination Paramita Bhattacharyya	91679-91685
142	Analytical Method Development and Validation by High Performance Liquid Chromatography (HPLC) Ashwini Waghchaure and Sharmila Naykar	91686-91695
143	Exploring Sustainability and Profitability: A Systematic Review of Environmental, Social and Governance Factors Vasudha Srivatsa and Bhavya Vikas	91696-91720

144	Sustainable Production Inventory Model with Different Demand Patterns A. Theeba and Nivetha Martin	91721-91733
145	Molecular Docking Studies of Phytoconstituents from Seeds of <i>Syzigium cumini</i> as Potential Inhibitors of Targets of Diabetes Mellitus Bhaghyashri Adalinge, Vrushali Tambe, Vijaya Vichare and Ketaki Bagul	91734-91743
146	Analysis of Organizational Culture on Gender Equality in Promotions - A Quantitative Study P.K.Anjani	91744-91749
147	Study of Incongruent Upshot of Nanosphere Technology and its Relevance Kad D.R, Asvitha Baskar, Anjali Thakur, Gayatri Harke, Rakhi Mohite and Dnyaneshwari Kale	91750-91762
148	Plithogenic Decision Making with Different Linguistic Contradiction Degrees Representations P.Sathya and Nivetha Martin	91763-91777
149	Analysis on Key Components of Effective Micro-Mentoring - Employees Perspective R. Anand and R Deepa	91778-91788
150	Thermal Performance Analysis of a Traditional Mud House: A Case Study in the Rural Fringe of Lucknow, India Khurram Ashraf, Zeba Nisar and Shweta Verma	91789-91796
151	Ayurvedic Therapeutic Approach in the Management of Chronic Venous Ulcer: A Case Report Niket Gami and Vidya G Mohan	91797-91803
152	Micro Vague Generalized Semi Closed Sets in Micro Vague Topological Spaces Vargees Vahini T and Trinita Pricilla M	91804-91817
153	Mapping the Landscape of Government Policies and Electric Vehicles: A Bibliometric and Visualization Analysis Simran Sehgal and Divya Malhan	91818-91836
154	A Study on Innovations in Indian Agricultural Finance Ananth Kumar and Muralidhar L B	91837-91843
155	Pair Mean Cordial Labeling of Pizza Graph, Snail Graph, Sun Graph and Kusudama Flower Graph R. Ponraj, S. Prabhu and M. Sivakumar	91844-91851
156	Surface Coated Implants : Enhance Early Osseointegration Shalini Kapoor, Amit Bhardwaj and Vijanti Wadhwa	91852-91860
157	Artificial Intelligence (AI) and its Impact on Online Shopping Consumer Behaviour with Special Reference to Bengaluru Merlyn Preethi B, Pushpa H S, M U Shreya and Kaushik Raj N	91861-91873
158	The Effectiveness of Mirror Therapy Versus Action Observation Therapy to Improve Upper Limb Motor Function in Sub-Acute Stroke - A Comparative Study Ranjit Tiwari and Sonia Lakhotia	91874-91880

159	Regulatory Challenges in Approval of Paediatric Vaccines A. Ashish and Y.Koushik	91881-91892
160	Nanoemulgel - based Delivery of Leflunomide: A Review of Therapeutic Potential for Rheumatoid Arthritis Sonu Choudhary, Pradeep Pal and Vikas Jain	91893-91906
161	Nutritional Composition, Health Benefits and Culinary Applications of Quinoa Aarzo Singh and Govind Ballabh Bhatt	91907-91916
162	AI Driven Workforce Planning: Exploring Talent Acquisition and Optimization - HR Decision Paradigm for a New Strategy Shareefa Bhanu and Annette Christinal	91917-91925
163	Monitoring and Enhancing Awareness of River Water Quality and Pollution through IoT using AWQDA Algorithm G. Karthikeyan, J. Ramprasath, A. G. Priya Varshini and N. Krishnaraj	91926-91932
164	IPL 2024: Unveiling the League Winner through Machine Learning Techniques Abarnaa.R and R.N.Sivakasini	91933-91937
165	Ayurvedic Management of Dusta Vrana w.s.r Pressure Ulcer [Bed Sore]: A Single Case Study Hemangini S. Malivad and Omprakash Dave	91938-91945
166	Arduino based Rescue System with GPS Alerts for Women's Safety using Proteus Swati Barui, Pranab Hazra, Kaushik Sarkar, Geetika Pal, Sreya Biswas, Pritam Roy and Riya Kumari	91946-91950
167	Interval Valued Bipolar Intuitionistic Fuzzy Ideal and Fuzzy α -Ideal of a BP-Algebra S.Sivakaminathan, B.Vasudevan and K.Gunasekaran	91951-91960
168	An Overall Assessment of the HVAC System for Cleanroom Validation Gayatri S, S Gowtham and S. Sumetha	91961-91966
169	Topological Indices of Dutch Windmill (m-fan) Fuzzy Random Graph R. Abirami and N. Sarala	91967-91975
170	Kala in Ayurveda: A Comprehensive Study of Membranes and their Functions Mahendra and Nirav Patel	91976-91981
171	A Review Focusing on Recent Advancements in LCMS Instrumentation, Software and Methodologies for Enhancing Method Development Efficiency, Sensitivity and Selectivity Sridevi Ranjitha Karanam, Anil Kumar Kallepalli, Varaprasada Rao Kollabathula, Doddi Shanmukha Rithika and Gaddam Vandana	91982-91989
172	The Impact of Gender in Influencer Marketing: A Study of Brand Awareness in the Fashion Sector Ayash Manzoor, Iqbal Ahmad Hakim, Bilal Farooq, Waseem Ahmad Bhat and Hanan Parvaiz Kochey	91990-92001

173	Honey Preserve Dosage form of Internal Medicinal Drug in Siddha A.Elavarasi, K. Velmurugan and C. Parkavi	92002-92007
174	Unveiling the Ethnomedicinal Significance of Plants Utilization among Tribal Communities in Southern Pali District, Rajasthan, India Sarika, Dinesh Hans, Priyanka Choudhary, Kuldeep Kumar Kumawat	92008-92019
175	Evaluating the Contribution in Financial Literacy in Influencing Investment Behaviour amongst Millennial Trendy Bengaluru Murali R and Nasa Dhanraj	92020-92026
176	The Role of Blockchain Technology in Smart Contracts : A Boon or A Bane? Subham Chatterjee	92027-92033
177	A Generalization of New Two - Parameter Xrama Distribution and its Application in using Survival Data R. Jothika and P. Pandiyan	92034-92047
178	Internal Audit Procedure for Regulatory Compliance Issues D.Chandana and Y.Koushik	92048-92058
179	Diuretic and Anti-Urolithiasis Activities of <i>Canna indica</i> Linn. Rhizome Extract in Wistar Rats Sreelakshmi S S and Venkatesh Sellamuthu	92059-92067
180	A Study on the Problems and Prospects of Fisheries Sector in Andaman and Nicobar Islands with Special Reference to Port Blair K. Padhmanaban and M. Deepa	92068-92074
181	Identifying a Person by Audio Aesthetic using Machine Learning Sangi Mounika, Pasula Pavan Teja, Shaik Rahman and V.Rajasekhar	92075-92080
182	Neurological Evidence and impact Bias in Legal Proceedings: the Impact on Society Bulbul Roy Chowdhury (Ghosh)	92081-92086
183	Impact of Covid-19 Outbreak on Tourists Inflow in Andaman and Nicobar Islands K. Padhmanaban and S.Varalaxmi	92087-92094

Editorial ...



Every year April 22nd we are celebrating and observing World Earth Day in across the world. This day is the best day to raise awareness about the Earth. The theme of Earth Day 2025 is "Our Power, Our Planet." This Earth Day marks the 55th anniversary. Our planet Earth is the greenest, most fertile, and most habitable planet in the universe. The basic source of life is not only water but also the soil on Earth. There is a difference between the soil on

other planets and the soil on Earth. The soil is alive. It is also the center of life production. If there is no soil, there is no life. Because, we all know that soil is the food that provides life. Many years we have been led to believe that fossil fuels can only power the planet, but that is not true, and that by the 2030s, the planet's electricity will be powered by solar energy, says Denise Hayes, organizer of the first Earth Day. Our ancestors lived in harmony with nature. They gave us that wealth without destroying nature. It is our primary duty to pass it on to future generations. This year's Earth Day calls on everyone around the world, especially in 192 countries, to unite behind renewable energy. The day also aims to triple global clean electricity production by 2030. Solar power is a renewable energy source that does not produce greenhouse gases, does not cause climate change, and improves our environment and human health. We are all join together on Earth Day to take action—through education, advocacy, and mobilization—to pledge to take action on Earth on social media, to participate in local events, to plan and register, and to integrate Earth Day lessons into the curriculum. Furthermore, due emphasis should be given to high-level research and development programs on technologies that meet our global energy needs from clean, affordable renewable energy sources such as solar, wind, geothermal, wave, and hydro resources, and government and private institutions, universities, colleges, and research centers should come forward to make these technologies accessible to all. Forty-nine countries, including India, Canada, Switzerland, Austria, New Zealand, Brazil, Norway, Sweden, and Denmark, already generate more than half of their electricity from solar, wind, hydro, and geothermal resources. For example, Iceland gets 99.99 percent of its electricity from renewable sources. "It takes a collective people's power to make a big shift to renewable energy," says Kathleen Rogers, president of EDO. The 20 million people who marched on Earth Day in 1970 sparked the modern environmental movement, leading to clean air, water, and wildlife protection. In 2024, a campaign to reduce global plastic production captured the attention of the world's nations. Renewable energy can directly or indirectly alleviate poverty, improve quality of life, and improve health outcomes. For example, reducing greenhouse gas emissions reduces health risks associated with climate change, such as heat waves, floods, and the spread of infectious diseases. And reduced air pollution reduces respiratory and cardiovascular diseases, including asthma and stroke. Renewable energy is not only clean and healthy – it represents a huge economic opportunity and is projected to create 14 million new jobs worldwide, with renewable energy globally growing by 17.2% annually from 2024 to 2030. This transition to growth may present us with many obstacles, but our overarching goal is to move away from our dependence on fossil fuels and embrace a sustainable future.

Editor in Chief, IJONS

Cover Image: *Dahlia tenuicaulis* P.D.Sørensen (Family: Asteraceae)

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