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Volume XVI (16) CODEN: IJONS (90) (2025)		ISSUE 90	JUNE 2025 ISSN: 0976 - 0997
S. No.	CONTENTS	Page No.	
1	Advancements in 3D Printed PLA-Starch Composites: Mechanical Strength and Biocompatibility for Medical Implants Logeshwaran Vellingiri and Arungandhi. K	94301-94306	
2	A Study on the Effect of Certain Components in Oil Pesticides Expresses Pesticide Activity Jeya, M.Thilsath Fatima Quraiza and R. Leo Bright Singh	94307-94315	
3	Bioactive Peptide $\alpha$ -Lactalbumin as a Breast Milk Supplement Roopa Prasad, C M Reena Josephine, Agna Rose John, Tanya Kamlesh and Keneikhrieno Marina Kulnu	94316-94323	
4	Antimicrobial Activity of <i>Actinomycetes</i> Isolated from Mangrove Rhizosphere Soil in Vellar Estuary R.Kiruthiga, R. Bharathidasan and G.Thiruneelakandan	94324-94331	
5	The Liverwort <i>Frullania monocera</i> – New to the Western Ghats from Palani Hills D.T.T. Daniels, C.P. Ben, A.E.D. Daniels	94332-94335	
6	Evaluation of Bio-Fortified Composite for Improving Seed Quality Parameters on some Selected Crop Species A.M.Ananda Kumar, R.Rakkimuthu, P.Sathishkumar, D.Sowmiya and G.Anjana	94336-94344	
7	Virtual Screening of Natural Compounds as Isocitrate Lyase Inhibitors in <i>Escherichia coli</i> and <i>Aspergillus nidulans</i> : Insights from Molecular Docking Siddharthsinh Parmar, Upti Aayer and Pratibha Parihar	94345-94356	
8	Age and Growth of <i>Bubblefin wrasse</i> , <i>Halichoeres nigrescens</i> (Bloch & Schneider, 1801 ; Labridae) from Gulf of Mannar, Southeast Coast of India P.Raja, G. Mahadevan, A. Murugan and S. Ragul	94357-94366	
9	Antioxidant Effect of Chlorogenic Acid Loaded Chitosan Nanoparticles: An <i>in vitro</i> Approach J.Monsi@Thara, S.Manoharan, G.Alagumanivasagam, S.M Sivasankaran and B. Vidhyambigai	94367-94373	
10	Isolation and Characterization of Isoprenoids from Bark Extracts of <i>Casuarina equisetifolia</i> S.Anbuselvi, R.Sriprata and A.M.Shakitharkhan	94374-94380	
11	Evaluation of Herbal Eye Shadow Cream using <i>Beta vulgaris</i> Peel A. Dhinek, Nivetha .P, Vidhyashri .A and Muthu Lakshmi .N	94381-94387	
12	A Review on the Antioxidant and Nutritional Potential of Indigenous Lemons in Northeast India Pranab Paul, Bijoy Neog and Bristy Borgohain	94388-94394	
13	Exploring the Medicinal and Therapeutic Potential of <i>Digitaria</i> Spp: Phytochemical Composition, Pharmacological Activities and Future Bioprospecting Opportunities Saraswati, Priyanka Sharma, Manoj Kumar and Asha Sharma	94395-94409	

14	The Impact of Panchakarma Therapy as an Adjunct to <i>In vitro</i> Fertilization in Improving Pregnancy Outcomes and Reproductive Health in Women with Recurrent Implantation Failure Nayana Patel, Niket Patel, Molina Patel, Harsha Bhadarka, Paresh Ghoghari, Sachin Dhaduk, Nipa Shah, Uma Jayswal, Dipal Parmar and Piyush Chudasama	94410-94416
15	Examination of Phytochemical Properties and Antioxidant Potential of Peel, Pulp, and Seed of <i>Trichosanthes dioica</i> Roxb Krunal Kansara, Smit Bhavsar and Nainesh Modi	94417-94427
16	Analysis of Composition and Antibacterial Activity of Essential Oil of <i>Rosa brunonii</i> Linn. From Garhwal Himalayas Shyam Vir Singh, Ankita Singh, J.S. Jangwan and Naveen Kumar	94428-94432
17	A Study on Constraints in Utilizing the Information and Communication Technology (ICT) among Farmers in Tirupathur District E.Priyavadhana and T.Balakrishnan	94433-94437
18	Exploring the Anti Cancer Properties of <i>Dracaena trifasciata</i> and <i>Eclipta prostrata</i> Kamalambigeswari R and Mirunalini.S	94438-94441
19	Key Aspects of Organic Agriculture: A Case Study Oindri Samanta, Tania Chakraborty and Rajeshwari Roy	94442-94446
20	Marma-based Therapeutic Approach in Gridhrasi Management: An Alternative to Conventional Sciatica Treatments Neel Prajapati and Harish Daga	94447-94451
21	Assessing Drought Tolerance in <i>Justicia beddomei</i> (C.B. Clarke) Bennet under Water Withholding Condition: A Preliminary Morphological Study Manisha S J Kurup, Rajalakshmi R and Shilpa K S	94452-94460
22	A Review of Management Strategies for Tomato <i>Fusarium</i> wilt. Caused by <i>Fusarium oxysporum</i> F.sp. <i>Lycopersici</i> (Sacc.) Gunmala Gugalia	94461-94471
23	Biological Activity of Metallic Nanoparticles against Multi-Drug Resistant Organisms: A Nanomedical Approach Rajni Bais and Seema Parveen	94472-94487
24	The Role of Sweet Basil ( <i>Ocimum basilicum</i> ) in Management of Type II Diabetes Mellitus : A Review from Animal Studies and Clinical Trials Priyadharshini R. S and V. Krishnaprabha	94488-94496
25	The Impact of Mathematics - Enhanced Van Hiele Model (VHM) Learning Activities based on Experience – Language – Pictorial – Symbolic - Application [ELPSA] Framework on Spatial Reasoning of Students Engagement in Mathematics at Elementary Level Ashutosh Prabhakar	94497-94509
26	Recent Advances in Drug Design and Synthesis: Emerging Trends and Techniques Rama Prasad Padhy, Devesh Narang, Vaibhav Kashyap, Palak Thakur and Abhisek Mehta	94510-94528
27	Review on Abnormal Antibody Development and Identification in Blood Transfused Recipients Aditi Tyagi, Akash Kumar, Umesh Kumar and Pankaj Kishor Mishra and Davendra Swarup	94529-94538
28	Lower Limb Gait Intend Detection using Machine Learning Techniques P. Aravindhan, M.Dhanalakshmi and G.Satheeshkumar	94539-94545

29	Single Blind Randomized Study to Evaluate Effectiveness of Constitutional Approach in Acid-Peptic Disorders by using Acid-Peptic Questionnaire Komal Patel and Heena Rawal	94546-94553
30	Contra - (1,2)*- $(\Lambda, \alpha)$ - Continuous Functions in Bitopological Spaces R. Poobathiraja , G. Sugantha and P. Sivagami	94554-94559
31	Potential Role of Carbonic Anhydrase Inhibitors in Treating Various Diseases and Disorders Blessy Jacob and Sarita Karole	94560-94566
32	Air Quality Dynamics during Biomass Burning: A Comparative Evaluation of Sensor and Reference Monitoring Technologies Nirali Goswami, Kruti Davda and Vrushank Vyas	94567-94572
33	A Study on Profile Characteristics and Marketing Behaviour of Mango Growers in Dharmapuri District of Tamil Nadu D. Lokeshwaran, S.Durairaj and J.Meenambigai	94573-94580
34	The Effect of Comprehensive Corrective Exercise Program and Alexander Technique on Upper Crossed Syndrome among Office Workers Deepika D, Senthil Kumar S and Bismi Farhana M	94581-94587
35	The Efficacy of a Self-Instructional Module (SIM) on Home Care Management for Caregivers of Patients Undergoing Hemodialysis in a Designated Community in West Bengal L.Saraswathi, T.Komalavalli, Joseph Hermaline R and R.Danasu	94588-94593
36	Converting an Image to Text : A Machine Learning - based Conversion System V.S.Padmavathy and E. Prasanth	94594-94600
37	Aesthetics of Siddha Nanoscience and Pharmacokinetics H.Subhashree, K.Lalitha and P.Bama	94601-94604
38	Smart Homes Energy Consumption Prediction using Hybrid Prophet Algorithm and Adaptive Optimization B.S.E.Zoraida and J.Jasmine Christina Magdalene	94605-94612
39	Effect of Myostaal Liniment Application on Knee Muscle Strength in Janu Sandhigata Vata (Knee Osteoarthritis) : Case Series Shailesh Deshpande, Jaimini Rathod and Vaishali Deshpande	94613-94618
40	The Effect on Hydromagnetic Flow of Heat Radiation Across a Spinning Porous Disc in a Porous Media that Generates / Absorbs Heat Internally: (PST and PHF Scenarios) R. Umadevi, M. Gomathi, K.Vijayalakshmi and R. Sumathy	94619-94632
41	Real-Time Weed Detection in Agriculture using CNNs and Edge Computing K.Venkataramana	94633-94638
42	Assessment of Hemoglobin for the Female Students in the Department of Biochemistry at Sacred Heart College Tirupattur District A.P. Angeline Mary and M. Fernandus Durai	94639-94648
43	<i>In vitro</i> Evaluation of the Free Radical Scavenging Efficacy of Cycloastragenol S. Surya, S.M Sivasankaran, M. Pethanasamy and R. Kowsalya	94649-94655
44	Emergence of New Science the Gender Medicine the Paradigm Change for Research, Diagnosis, Care and Education in Osteoporosis, Osteoarthritis and Oral Squamous Cell Carcinoma Shivani Sachdeva, Sayali Vikram Pagar Patil, Rahul Chaudhary, Vipin Dehane, Mukund V Singh, Syeda Nikhat Mohammadi, Vikram Pagar Patil and Harish Saluja	94656-94664

45	To Establish the Normative Values of Balance using Sensamove Minibalance Board among Normal Individual of 20-40 Age Group Shweta Parikh, R Harihara Prakash and Falguni Mahavar	94665-94674
46	Automatic Image Segmentation using CNN-Based Panoptic Segmentation in Deep Learning V. Madhubashini, K. Deenu ,K. Poornimadevi and A.Andrine Dinola	94675-94683
47	Formulation Development and <i>In vitro</i> Evaluation of Telmisartan Nanosuspension by QBD Divya Theja Chilekampalli, Hepsiba Rani, Chekkilla Bhargavi <sup>1</sup> , R.Prasanthi and Haarika Balusu	94684-94697
48	Bioactive Chitosan PVA Films with Pomegranate Peel Powder for Food Packaging Applications J.Johnncy Caroline, Kezia Kirubavathy A, Loordhu Mary P, Anusha E and Keerthana Sri C	94698-94704
49	Harnessing Deep Learning Ensembles for Breast Cancer Detection" N. Senthil Kumar and K. Mohan Kumar	94705-94713
50	Phytochemical Investigation and Antioxidant Activity of <i>Tecoma stans</i> Leaf Extract Aftab Shaikh, Pradnya Jagtap, Vaishnavi Kharat, Dhanshri Shinde, Priyanka Devhare, Jayshri Nale, Ashish Kulkarni, Sanket Kadam and Aniket Garud	94714-94718
51	Performance -Based Analysis of CDN Usage in Frontend Web Applications Tamanna Shah and Payal Joshi	94719-94732
52	Steganography Enhancement using Bit-Plane Slicing : A Comprehensive Study Suparna Sarkar, Sayan Karak and B. Vasumathi	94733-94743
53	Advancing Cross - Lingual Communication : A Bilingual Sentence Refiner for Enhanced Translation Accuracy and Fluency Megha S. Patel, Abhijitsinh Parmar, Ravirajsinh Chauhan, Nihar Gami, Grensi Godhani and Sneha Ramparia	94744-94754
54	Advancing Cross - Lingual Communication : A Bilingual Sentence Refiner for Enhanced Translation Accuracy and Fluency Megha S. Patel, Abhijitsinh Parmar, Ravirajsinh Chauhan, Nihar Gami, Grensi Godhani <sup>2</sup> and Sneha Ramparia	94755-94759
55	Development and Psychometric Testing of Respectful Maternity Care (RMC) Assessment Tool - A Study Protocol Angelina Makwana and Sapna Patel	94760-94764
56	Text Neck Syndrome among Students - A Global Problem in Modern Era - A Narrative Review C.Nageswari and Md Taufiqur Rahman	94765-94769
57	Optimized Ad-Hoc Routing in Vanets using the Adaptive Mobility Prediction (AMP) Algorithm C. Rajkumar and K.Pavithra Devi	94770-94779
58	Exploring AI Anxiety in Education: A Quantitative Study on Students' Perceptions of AI-Powered Learning Tools Shalu and Nidhi Verma	94780-94795
59	Cleaning of Cache Files of Mobile Devices Atanu Datta, Somsubhra Gupta and Subhranil Som	94796-94801
60	Identification of Misconceptions among Prospective Science Teachers in Relation to Life Science Concepts at Secondary Level Urvashi Sharma	94802-94810

61	Relationship between Digital Screen Time, Sleep Duration and Musculoskeletal Issues in Adults: A Cross-sectional Study in South Gujarat Aparna Anil Bachkaniwala and Vivek Harsukhbhai Ramanandi	94811-94817
62	Competition to Collabortion : Comparing Service Quality and Patient Satisfaction of Multi Specialty Hospitals in Coimbatore D. Malleeswari	94818-94831
63	Pharmaceutical Study of Tamra Bhasma Prepared by using Modern Instruments Rajendra Prasad ML, Jagadeesh G Mitti and Vasundhara S	94832-94840
64	Investigating Core Influences: Key Factors Affecting the Foundational Literacy and Numeracy Skills Poonam Pandita, Aman and Sachin Kumar	94841-94852
65	Studies on Thermally Evaporated p-ZnTe/n-CdSe Heterojunction Diodes R. Amutha and T.R. Suresh Kumar	94853-94858
66	Role of Ayurvedic Intervention in Subclinical Hypothyroidism ( <i>Dhatvagni Mandya</i> ) – Case Study Pooja Kalal, Gyan Prakash Sharma and Mahesh Kumar Sharma	94859-94862
67	Manas Mitra Vatakam Attenuates Maternal Separation Induced Behavioral Alteration in Female Rats Ashish D. Tale, Shailesh M. Kewatkar, Vaishnavi G. Kute, Sachin P. Borikar, Shirish P. Jain and Manisha R. Jawale	94863-94876
68	Manas Mitra Vatakam Attenuates Maternal Separation Induced Behavioral Alteration in Female Rats Ashish D. Tale, Shailesh M. Kewatkar, Vaishnavi G. Kute, Sachin P. Borikar, Shirish P. Jain and Manisha R. Jawale	94877-94889
69	Stochastic Model for New Extended Distribution with Properties and Application to Survival Time of Cancer Patients R. Poovitha and P. Pandiyan	94890-94902
70	Prediction of Carbon Dioxide Emission in India through Robust Regression Method Nilangshu Acharya, Rupa Bhattacharyya, Dhananjay Kumar Tripathi and Sumit Nandi	94903-94909
71	Physiotherapy Intervention Following Excision of Brainstem Cavernoma – A Case Report C.Sumithra and Rajeswari Muthusamy	94910-94914
72	Santal Tribe and its Collective Action : A Reflection Rajesh Ekka	94915-94920
73	IoT-Enabled Smart System for Hair Health Analysis and Monitoring Meenakshi Kashyap, Abhinav Kashyap and Kunj Mungra	94921-94927
74	The Intersection of Cyber security and Digital Forensics: A Comprehensive Guide to Safeguarding Computer Systems and Data M.Divya, J.Dhilipan, P.Harini, Jeevika D and Harishini B	94928-94935
75	Intelligent Stock Market Prediction using A Hybrid ADAMW - Optimized LSTM Model for Enhanced Forecasting Accuracy with Reduced Over Fitting Balamohan S and V. Khanaa	94936-94942
76	An Effective Plants Disease Prediction System : A Review Deepak Awasthi, Arvind Kumar Shukla and Rajdeep Singh	94943-94948
77	Development and Optimization of Polymeric Anti-Wrinkle Dermal Patches Containing Rutin: A Novel Cosmeceutical Approach Zufisha Bakhtiar Ansari, Ajay Sharma and Vikas Jain	94949-94962

78	Administration and Evaluation of Diet and Exercise Intervention on Subjects Suffering From Metabolic Syndrome Deepika Dhawan, Sheel Sharma and Deepika Pal	94963-94975
79	Some Results based on Primary Complex Interval-Valued Intuitionistic Fuzzy <b>M</b> Group M.Kannan, K.Bhadmavadhi, K.Sakthivel and A. Rajkumar	94976-94982
80	Solving Quadratic Diophantine Equation of the form $au^2 + bv^2 = (a + ba^2)^n$ S. Radhakrishnan and R. Sivaraman	94983-94987
81	Blended Cooperative Learning : A Comprehensive Approach to Fostering Student Engagement and Academic Success Shivali Verma and Aman	94988-94995
82	Product Eccentricity Energy of Graphs Related to Bistar Graph and Density Calculation of Antipyretic Drugs S.Priya Karen and Arokia Lancy A	94996-95003
83	Dandy Walker Malformation Presented with Shunt Infection: A Rare Case Report Bhanu Pratap Singh, Rajya Laxmi Papasani, B. Tharun, T.Ramarao and Samudrala Lahari	95004-95010
84	Climate Change and Ecological Equation through the Lens of Butterfly: A Study of Flight Behavior Abhisarika Prajapati	95011-95017
85	Effectiveness of Om Chanting on Stress Level among Nursing Students in Selected Nursing Colleges in Anand District Rozeleen Parmar and Deepak Krishnamurthy	95018-95025
86	Shinkansen Method of Pre-Casting Full-Span Box Girder (FSBG) for High-Speed Railway in India D. Thinagaran, K.Shanmuga Sundaram and S. Prabavathi	95026-95038
87	Global Compliance Framework for 3D- Printed Medical Devices: Navigating Regulatory Challenges B.Tejaswi and Koushik Yetukuri	95039-95049
88	Isolation and Characterization of Microorganisms from Fermented Finger Millet ( <i>Eleusine coracana</i> ) for Product Development and Identification using Advanced Bacterial Identification Software (ABIS) Aisha, Amrutha C V , Blessit A R, Kavya C , Mithra Unnikrishnan, Sheba Stanly and Prasanna R Kovath	95050-95061
89	Designing of Modified Switching System in Steel Pipe Production Industry Based on Statistical Neutrosophic Sets using Poisson Distribution G. Uma and S. Nandhitha	95062-95069
90	A Systemic Epidemiological Analysis of the Rising Prevalence of Low Back Pain among Educators: Occupational Risk Factors and Preventive Strategies Manisha Maurya and Aparna Singh	95070-95073
91	A Review of Current Approaches in the Treatment of Alzheimer's Disease and their Challenges Arpan Ghosh, Sankarsh H V, Shreyas Babu B V, Himanshu Shekhar, Seema Mehdi* and Nagashree K S	95074-95082
92	Enhanced Biometric Identification Systems: Deep Learning-Based Fingerprint Classification with VGG16 Model Prateek Nahar, Vaishali Gupta and Ruchi Patel	95083-95090

93	Exploring the user Experience Design of a Website for Mental Health S.Indira Priyadharsini, Thenmozhi Pandian and T Sindhu	95091-95097
94	d-Lucky Number of Derived Graphs A. Nilofer and N. Mohamed Rilwan	95098-95102
95	Role of Uttarbasti in the Management of Tubal Blockage – A Case Study Anjum M Mujawar, Vidya Narayan and Shruti Y Kumbhar	95103-95109
96	A Clinical Study to Evaluate the Combined Efficacy of <i>Mahapaishachika Ghrita</i> Orally and <i>Balaswagandhalakshadi Taila Shiropichu</i> in Children with ADHD (UNMADA) Rakshitha C N and Srihari Sheshagiri	95110-95116
97	A Non-Invasive Management of Sakana Vatham (Cervical Spondylosis) through Traditional Siddha Varmam Manipulation and External Application of Veera Poochu (Anointing) - A Case Report Mangaleshwari Baskaran, Siva Annamalai and Elamathi Srinivasan	95117-95124
98	Data Science in Weather Analytics in India: An Exploration of Weather Patterns and Trends Angira Banerjee, Pratyush Chakraborty, Indranil Sarkar, Rajesh Bose, Chiranjib Dutta and Sandip Roy	95125-95133
99	Comparison of Effect of Pilates and Aerobic Exercises on Pain, Functional Status and Disability among Postmenopausal Low Back Pain Sabitha.C. R and Senthil Kumar.S	95134-95140
100	Added Effect of Darvyadi Dhoomapana in Kaphaja Pratishyaya (Chronic Simple Rhinitis) Dhanya Raj, Sharada MK and Arun Raj GR	95141-95146
101	Navigating Regulatory Hurdles in Medical Devices Approval in U.S and E.U N.Akhila and Koushik Yetukuri	95147-95158
102	Review Paper on Natural Language Analysis and Processing for Recognition and Sentiment Extraction Shaym Viththalani and Krunalkumar Patel	95159-95168
103	Artificial Intelligence in Autism Care: Leveraging MRI, EEG, and Machine Learning for Early Detection and Personalized Treatment Saroj Priyadharsini D and Anbarasi A	95169-95177
104	Retrospective Analysis of Congenital Ocular Disorders in a Tertiary Eye Care Center Khushi Kansal* and Hiba Khan	95178-95186
105	Statistical Analysis of Milk Production for Future Planning with Special Reference to Sangli District Prakash R Chavan and Rahul H.Waliv	95187-95194
106	Leveraging Machine Learning for the Early Prediction of Rheumatoid Arthritis P.Banumathi and R.Suganya	95195-95200
107	Hybrid Graphene - Metal Composites: Synthesis and Characterization for Gas Sensor Technologies S.Surya and A.Suganya	95201-95209
108	To Compare the Effectiveness of Active Release Technique Combined with Prescribed Exercise Versus Prescribed Exercise Alone in Computer Professionals with Upper Cross Syndrome Vandana V. Vyas	95210-95217
109	Susceptible-Exposed – Infected - Treatment Model with Disease Infection in	95218-95231

	Prey Population Recovered by Treatment R. Sivakumar and S.Vijaya	
110	Formulation and Evaluation of Herbal Lip Balm using <i>Basella alba</i> V.Loganayaki, K.Abinaya, R.Subashini, P. Nandhini and K.G. Janani	95232-95237
111	Inverse Semitotal Domination Number of Some Graphs Derived from Paths and Cycles A. Punitha Tharani and D. Joslin Amala	95238-95244
112	Beyond Conventional Skincare: The Rise of Nanoemulsions in Topical and Transdermal Medicine Sonali Subhash Hake, Boomika Pramod Shimpi, Yogesh Harendra Nikam, Laxmikant B. Borse and Mayuri G. Patil	95245-95254
113	A Contemporary Strategy for Addressing Fuzzy Task Conflicts by Measure Mean Ranking Method E.Jayanthi, S.Shunmugapriya and S.Mohan Kumar	95255-95261
114	Phytoestrogens and Menopause : A Guide to Dietary Harmony Saniya Meer and RitaMakim	95262-95269
115	Optimal Case Mix with Decomposition and Reformulation Techniques using Branch-and-Bound Method M. Premalatha, S.Sudha, A. Ammu Qudsiya and V.Anbarasi	95270-95279
116	Regulatory Framework for Medical Device in Emerging Market Rohini Reddy, Manjula Reddy, Sahithi, N. Srinivas and Swetha. M	95280-95289
117	Regulatory Framework for Medical Device in Emerging Market Rohini Reddy, Manjula Reddy, Sahithi, N. Srinivas and Swetha. M	95290-95295
118	Role of Nutrition Education to Increase Essential Nutrient Intake and Promote Wound Healing in Patient with Diabetic Foot Ulcers Haseena Banu . S, A.J. Hemamalini and Soma Basu	95296-95600
119	Lattice Valued Picture Fuzzy Relations Tweena Evangelin P and A. Francina Shalini	95301-95308
120	A Study on the Role of Hr in Promoting Work-Life Balance for Employees Indhumathi. S and Geetha	95309-95318
121	Structural Configurations and Optimization Strategies for Crane Mechanisms – A Review Rajeshkumar K. Detroja and Jigneshkumar J. Patel	95319-95323
122	Breaking Colonial Dependence: Khwaja Abdul Hamied’s Contribution to India’s Pharmaceutical Revolution Md Abu Katadah	95324-95329
123	Voluntary Migration and Psychological Resistance: Exploring Diaspora and Jewish Identity in Philip Roth’s <i>Indignation</i> James Raaj and M.Nagalakshmi	95330-95333
124	Gender Disparities in Energy Transition: Biogas Adoption in Rural West Bengal and its Impact on Sustainable Development Anuradha Sarkar, Tapas Bagdi, Sreya Ghosh and Amit Kumar Hazra	95334-95347
125	Climate Change and its Effects on Agricultural Productivity: An Analytical Study Rajini KS, Shashikala C.S and Pushpa HS	95348-95359
126	Interval Valued Fuzzy Pseudo Intrinsic Bi-Magic Graphs V.Revathi and N. Premalatha	95360-95365
127	A Study on Employee Job Satisfaction Abarna .V. G	95366-95375

128	Pathogens on Inanimate Surfaces in Tertiary Care Hospital : Prospective Study Glory Waghela, Anil Kumar Patidar, Anil Sharma and Chirag Jain	95376-95382
129	DFT Analysis, Drug Likeness Prediction and Target Prediction of 1-(2,4-Dichloro-5-Fluorophenyl) Ethenone Prop-2-en-1-one D. Santhiya and G. Sundaraselvan	95383-95393
130	Bibliometric Analysis of Pose Estimation Techniques in Sports Performance Research Sreedev S.A, R. Ramakrishnan and T. Parasuraman	95394-95400
131	Exploring the Anti-Diabetic Potential of Neeradimuthuvallathy Mezhugu: A Synergistic Approach through Gut Microbiota Modulation Poorna Pushkala V, Rajalakshmi K and B.R.Senthilkumar	95401-95413
132	Mapping Research Trends in Technology and Higher Education: A Bibliometric and Meta-Analysis Approach Pushpa HS and P Anitha	95414-95423
133	Predicting the Cause of Vitamin D Deficiency on Thyroid and Autoimmune Disorders using Machine Learning Classifiers P.Vinnarasi and K.Menaka	95424-95435
134	Plant Mediated Synthesis of Silver Nanoparticles from <i>Barleria longiflora</i> Leaves with Evolution of their Antidiabetic Properties D.Sathish Kumar, N.Muruganantham, K.Sathis Kumar, M.Vishnupritha and A.Baskaran	95436-95445
135	A Study on work Place Well-Being and Work Life Balance At Chemical Manufacturing Company Nandinipriya.K	95446-95454
136	Evaluation of Antioxidant Efficacy of 2,4,6-Octatrienoic Acid using <i>In vitro</i> Assays S.M.Sivasankaran, J.Monsi@Thara, K.Harish, M.Pethanasamy, S.Surya <sup>1</sup> and R.Kowsalya	95455-95461
137	Unlocking the Power of Oregano: Antimicrobial, Antioxidant, and Therapeutic Properties Sakshi Pawar, Sarika Kamble and L.B.Borse	95462-95475
138	Development and Evaluation of a Multipurpose Herbal Skin Cream for Dermatological Applications Kalaiselvi.G , Nagavalli.D, Sudhan D and Ayyappan T	95476-95484
139	A Study on the Role of Economic Empowerment of Women in Rural and Semi-Urban Areas Aswini A and A. Geetha	95485-95493
140	Intuitionistic Fuzzy Pseudo Ideals in <i>d</i> - Algebras N Nagamani, V. Ramamurthi and E. Paramanathan	95494-95499
141	Study on Seasonal Changes in Soil Heavy Metal Content and Potential Risk Around a Municipal Solid Waste Dumpsite in Jaipur, India Prama Esther Solomon and Pankaj Kumar Jain	95500-95512
142	A Study on the Role of Hr in Managing Employee Health and Safety in the Workplace Sowmiya. M and A. Geetha	95513-95520
143	Current Treatments and Strategies for Management of Oral Ulcers: A Review Yashaschandra, Prajwal and Madhavi B L R	95521-95532

144	Utilizing the CoCoSo -CBA Method to Analyze the Chola Period's Finest Temple in Interval Value Intuitionistic Fuzzy Set in Multi-Criteria Decision-Making V.Maria Jenifer and M.Mary Mejrullo Merlin	95533-95537
145	A Study on the Quality of Work Life and Job Satisfaction among Women in the Textile Industry, with a Focus on Thirupur District, Tamil Nadu Hemin Mon A.S and C.Sathiskumar	95538-95540
146	Exploring the Biological Activities of <i>Crotalaria juncea</i> Whole Plant for Its Therapeutic Potential K. Ravi Shankar, K. Gnaneswari and S. Thirumala Devi	95541-95548
147	Antimicrobial, Antioxidant and Cytotoxic Proficiency of Yellow Pigment - An Extracellular Metabolite of <i>Aspergillus ustus</i> Akarsh Subhakar, Nandish Gurubasajar, Sowmya Hirakannavar Veeranna and Thippeswamy Basaiah	95549-95558
148	Effectiveness of Resistance Training on Muscle Strength and Quality of Life among Elderly within Surat District : A Pilot Study Kinjal Priyesh Patel	95559-95567
149	Malaria through Geography- A Disease Ecology Approach: Bibliometric Analysis from the Scopus and Web of Science Databases (1946-2024*) Priyanka Puri and Parul Puri	95568-95575
150	Single Case Study: Effective <i>Ayurvedic</i> Strategies for Managing Migraine Sachi Prajapati, Anitha Hosur and Hiral Jethava	95576-95581
151	Biodegradation of Disposable Face Masks using Microbial Consortium from Different Soil Samples: A Pilot - Scale Study via Winogradsky Column Method S. Nandhini, Sarumathy. B and Abishikha. S	95582-95589
152	Determination of Bioactive Compounds by GC-MS in Methanol Extracts of <i>Evolvulus nummularius</i> Species and Comparative Analysis with <i>Evolvulus alsinoides</i> Species Rekhram and Sandhya Rani Panda	95590-95596
153	A Behavioural Analysis of Investment Pattern in Mutual Funds: Gen Z VS Gen Y J Rajkumar and C. Sathish Kumar	95597-95607
154	Study on Strength Properties of High Strength Concrete using Metakaolin and Glass Powder as Partial Substitute G.Pugazhmani, K.Sakthimurugan, S.Gayathri and S.Manikandan	95608-95613
155	Investigation of Antibacterial Activity in <i>Funaria</i> sp. Collected from Gautala Wildlife Sanctuary Jalgaon Region Deoyani Himmat Patil and Dilip U.Ahire	95614-95618
156	Environmental and Health Implications of Tannery Effluents: Exploring Microbial Bioremediation J.JohnJoseph, P. Meenambigai, R.Premalatha, K.Sandhiya and K. Amala	95619-95630
157	The Study on Real-Time Business Intelligence Jissa Sabu and A. Geetha	95631-95641
158	Elucidating the Effects of Varied Fertility Levels and Panchagavya Spray on Physiological Growth Metrics and Quality Enhancement of Bread Wheat ( <i>Triticum aestivum</i> L.) Anjana Nautiyal and Moinuddin	95642-95648

159	Unveiling Quality of Life Challenges in PCOS Patients: A HRQoL - PCOS Analysis Janvika Varma, Shrijal Trivedi and Varsha Sinha	95649-95661
160	Physiochemical Evaluation of Phytochemicals Encapsulated from Black Cardamom and Black Cumin R Vijaya Vahini and Sneha P	95662-95669
161	Bridging the Gap: A KAP Study on Pharmacovigilance across Educational Levels Shamita Shyam Sail, Akshata Gore, Arfa A Sayed, Ramish Khan, AHM Viswanatha Swamy and Sanatkumar Bharamu Nyamagoud	95670-95677
162	Quantitative Determination of Phytochemicals and Antioxidant Activity of Orange Peel Extracts (Aqueous and Isopropanol) Sanjukta Kar, Alisha Hossain and Suchandra Dutta	95678-95685
163	A Comprehensive Review of Multimodal Image Fusion Techniques and Applications R.Indhumathi, R.Renuga Devi and Ushus S.Kumar	95686-95697
164	A Study on Work life Balance in Automotive Sector Thamarai Selvi.V and Geetha	95698-95707
165	Formulation and Evaluation of Wheat Grass Topical Gel Mamatha Kola, Ramya Sreemaddu, Aarthi Saima ,Mohammed Bhakatwar, N.Sree Lakshmi and Pratyusha Boddu	95708-95715
166	Exploring the Effectiveness of Multivariate EWMA and Hotelling T <sup>2</sup> Control Charts in Quality Control R. Sasikumar and M.Sujatha	95716-95724
167	Multimodal Sentiment Analysis: Comparision of State-of-the-Art Fusion Techniques Ankita Nevil Gandhi and Kinjal Ujas Adhvaryu	95725-95732
168	Comparative Analysis of Fully Fuzzy Linear Fractional Programming by Graphical Method, Crammers Rule and Denominator Objective Restriction Method Akshika Verma, Sushma Duraphe and Amardeep Singh	95733-95741
169	A Study on Performance Appraisal System at ABC Private Limited Swetha. S and A. Geetha	95742-95754
170	Innovation and Initiatives in Energy Conservation and Management K L Mokariya, A N Parmar, A S Mishal and D C Parmar	95755-95767
171	Usage of Social Networking Sites in Relation to Certain Personality Traits among the Post-Graduate Students Saiful Alam and Kausar Reza	95768-95778
172	A Clinical Study to Assess the Effect of Selected <i>Yogaasanas</i> and <i>Shodhita Hingu</i> in prevention of Dysmenorrhea - An Open Label Double Arm Comparative Clinical Study Pallavi SL, P.Sudhakar Reddy and Usha DT	95779-95790
173	Utilization of the Berg Balance Scale (BBS) among Physiotherapists Treating Community-Dwelling Stroke Patients in Kamrup, Assam: A Cross-Sectional Study Trishna Saikia Baruah and Pratap Chandra Sarma	95791-95808
174	A Case Report on Ayurvedic Management of Autism Spectrum Disorder (ASD) in Children Trupti Gamit, Swapnil Raskar and Kavya Mohan	95809-95818

## Editorial .....



Countries around the world are planning projects for the next 25 years to address climate change. The most important climate change issue is the melting of glaciers. 97% of the water on Earth is seawater the rest 3% is in glaciers and only a small amount is suitable for drinking. Human life may have improved due to factors such as industrialization, urbanization, and economicization. But the environment has been

affected. The change in the ozone layer due to the emission of greenhouse gases has made the Earth directly exposed to ultraviolet and infrared rays from the sun. Scientists have confirmed in their study that as a result of this, the Earth's surface temperature has increased, causing most of the glaciers in the polar regions to melt, raising sea levels and causing coastal erosion. Glaciers are formed on land by the recrystallization of snow or other types of solid precipitation. Glaciers cover an area of about 700,000 km<sup>2</sup> worldwide. Glaciers are found on all continents except Australia. The largest concentrations of glaciers are found in Antarctica and Greenland. Glaciers are also found in various mountain ranges around the world outside the polar regions. The largest glaciers in the Antarctic ice sheet are the Lambert Glacier and the Sellar Glacier on Thurston Island. These glaciers play a key role in regulating the global climate. But scientists believe that the decline in these glaciers due to global warming could have a major impact on the environment. Glaciers form the planet's largest reservoir of fresh water. In fact, they store 75% of the world's fresh water. Glaciers now cover less than 10% of Earth's total land area, down from 32% during the last ice age. Some notable orchid species and animals live in the glaciers. The white-winged diuca finch nests on the surface of glaciers in the Andes. These glaciers are also home to many rare animals, such as the forests. Large mammals such as bison, musk ox, elk, reindeer, mountain goats, ibex, chamois, and bighorn sheep seek out the glaciers to escape the heat. Researchers have also confirmed that bighorn sheep come to drink water on the glacier surface. Glaciers are essential to human life – their water is essential for drinking water, agriculture, industry, clean energy production and healthy ecosystems. Rapidly melting glaciers are creating uncertainty in water flows, which has profound implications for global climate change. Global reductions in carbon emissions and local strategies and plans to adapt to shrinking glaciers are essential. We must work together to put glacier preservation at the heart of our plans to address the global water crisis. We will step up our activities and research as part of a global campaign on 'Glacier Preservation'. We must do our part to slow global warming and adapt to shrinking glaciers.

**S.Vijikumar**

**Editor in Chief, IJONS**

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