INDIAN JOURNAL OF NATURAL SCIENCES (IJONS) BIMONTHLY INTERNATIONAL JOURNAL (PRINT)

Editor-in-Chief Dr.S.Vijikumar

Published by

TAMILNADU SCIENTIFIC RESEARCH ORGANISATION Regd.Off. : NO 46-141, MEENAKSHIPURAM RD, NEAR POST OFFICE,ARIMALAM 622 201,PUDUKKOTTAI, TAMIL NADU, INDIA Admin. Off. : PLOT NO 39,MURA BHAVAN,KOODAL NAGAR,RAJAGOPALAPURAM POST, PUDUKKOTTAI, TAMIL NADU, INDIA.

ijonstnsro@gmail.com, editorijons@gmail.com-www.tnsroindia.org.in

Editor-in-Chief, Editorial Board and Publisher take no responsibility for inaccurate, misleading data, opinion and statements appeared in the articles and advertisements published in this journal. It is the sole responsibility of the contributors and advertisers. No part of this journal can be reproduced without the written permission of the Editor-in-Chief who also holds the copyright © of the "Indian Journal of Natural Sciences (IJONS)".

JOURNAL PARTICULARS

Journal Name	INDIAN JOURNAL OF NATURAL SCIENCES (IJONS)
Frequency	Bi-monthly (Feb, Apr, Jun, Aug, Oct, Dec)
ISSN	0976 – 0997 (Print)
Publisher	TamilNadu Scientific Research Organisation,
	Pudukkottai, Tamil Nadu, India
Chief Editor	Dr.S.Vijikumar
Copy right	TamilNadu Scientific Research Organisation (TNSRO)
	Pudukkottai, Tamil Nadu, India.
Starting Year	2010
Subject	Multi DisciplinaryScience Subjects
Review Process	Double Blind Review Process
Language	English
Publication Format	Print
Access	OPEROCCESS
License	Creative Commons Attribution License 4.0
Phone Nos:	04322- 458193, 04322 –261088 (10.00 A.M to 05.00 P.M)
Email	ijons@tnsroindia.org.in& ijonstnsro@gmail.com
Website	https://www.tnsroindia.org.in/
Registered office	No 46-141, Meenakshipuram Rd, Near Post Office,
Address	Arimalam 622 201, Pudukkottai, Tamil Nadu, India.
Admin. Office Address	Plot No 39, Mura Bhavan, Koodal Nagar,
	Rajagopalapuram Post, Pudukkottai, Tamil Nadu, India.

Indian Journal of Natural Sciences (IJONS) Editorial Committee Members (ECM)

Editor-in-Chief	Dr.S.Vijikumar Director TamilNadu Scientific Research Organisation Pudukkottai-622003, Tamil Nadu. India.
	Editorial Committee
Honorable Chief Advisor	Dr.Neelesh Sharma Professor, Sher-E-Kashmir University of Agricultural Sciences and Technology of Jammu (SUKAST), Jammu, University in Wadoora, Jammu & Kashmir
Honorable Chief Advisor	Dr.C.Anandharamakrishnan Director, CSIR – National Institute for Interdisciplinary Science and Technology (NIIST) Council of Scientific and Industrial Research (CSIR), Ministry of Science and Technology, Government of India, Industrial Estate PO, Thiruvananthapuram, India
Honorable Chief Advisor	Dr.G.G.Hammad Ahmad Shadab Associate Professor, Department of Zoology, Aligarh Muslim University, Aligarh-202002,Uttar Pradesh, India
Honorable Chief Advisor	Dr. B. Vaseeharan Professor and Head, Department of Animal Health and Management, Alagappa University, Karaikudi – 630003 TamilNadu, India
Honorable Member	Dr. T.S. Saravanan Sr.Professor of Biotechnology, Dr.M.G.R Educational and Research Institute University, Periyar E.V.R High Road, Maduravoyal,Chennai-600095.
Honorable Member	Dr. K.Gurunathan Prof & Head, Department of Nano science & Technology, Alagappa University, Karaikudi, TamilNadu, India.

Honorable Member	Dr.C.Balusami Assistant Professor, Department of Livestock Production and Management, College of Veterinary and Animal Sciences Pookode-673576.Kerala, India.
Honorable Member	Dr. Rajashekhar O, Patil Assistant Professor, Department of Environmental Management, Sant Gadge Maharaj College of Commerce & Economics, Mumbai 400004, India
Honorable Member	Professor.G.Ganesan Professor, Department of Mathematics, Adikavi Nannaya University,Rajahmundry-533105, Andhra Pradesh, India
Honorable Member	Dr.M.Krishnan Vice Chancellor, Central University of Tamil Nadu, Thiruvarur, Tamil Nadu. India
Honorable Member	Mis D.Kalpana Asst.Professor, Department of Chemistry, Bon Secours College for Women,Vilar bypass road, Thanjavur TamilNadu, India.
Honorable Member	Dr.H.Syed Jahangir Associate Professor, P.G. and Research Department of Botany, Jamal Mohamed College (Autonomous) Trichirappalli-620020,TamilNadu,India.
Honorable Member	Dr.Sujatha Ilangovan Assistant Professor, PG & Research Department of Zoology, Holy Cross College, Tiruchirapalli-620002. TamilNadu, India.
Honorable Member	Dr.Vasudevan Ayyappan, Post Doctoral Research Associate, Department of Biotechnology, Delaware State University, Dover, Delaware – 19901
Honorable Member	Prof.K.Kumarasamy Emeritus Professor, ICSSR-Senior Fellow Department of Geography, School of Earth Sciences Bharathidasan University Tiruchirappalli - 620 024, TN, INDIA
Honorable Member	Dr. S. Balasubramanian Assistant Professor, Department of Mathematics, Government Arts College (A), Karur – 639 005,Tamilnadu,India.

Honorable Member	Dr.R.Muthukrishnan Associate Professor (SS&AC) & HOD (Crop Management) Department of Soil Science and Agricultural Chemistry, Vanavarayar Institute of Agricultural Manakkadavu, Pollachi-642- 103, TamilNadu, India
Honorable Member	Dr.Subbiah poopathi Scientist-G/ Director Grade ICMR-Vector control Research Centre, Medical complex, Indira Nagar,Pondicherry-605006,India
Honorable Member	Dr.P.Govindaraj Head & Associate Professor in Chemistry Department of Chemistry, SBK College, Aruppukottai - 626 101, TamilNadu, India
Honorable Member	Dr.Sindhu. K Assistant Professor, Department of Veterinary Pharmacology and Toxicology Veterinary College, Gadag – 582101, Karnataka, India.
Honorable Member	Dr. S. Umamaheswari Assistant Professor, Department of Environmental Biotechnology School of Environmental Sciences Bharathidasan University, Tiruchirappalli – 620 024, Tamil Nadu
Honorable Member	Dr. P. Santhanam Associate Professor, Department of Marine Science, School of Marine Sciences, Bharathidasan University, Tiruchirappalli. Tamil Nadu. India
Honorable Member	Dr. S. Jayachandran Professor &Head,Dept. of Oral Medicine and Radiology, Tamil Nadu Govt. Dental College and Hospital,Chennai -600003, Tamil Nadu,India.
Honorable Member	Dr. Komalavalli Narayanaswamy Associate Professor and Head , PG and Research Department of Botany, Alagappa College of Arts & Science, Karaikudi, Tamil Nadu, India

Honorable Member	Dr.V.M. Srinivasan Assistant Professor (Plant Pathology) Department of Crop Protection Thanthai Roever Institute of Agriculture and Rural Development, Valikandapuram Post, Perambalur - 621115., Tamil Nadu.
Honorable Member	Dr. Rina Poonia Associate Professor, Department of Arts, Faculty of Arts & Law, Manipal University, Jaipur, India.
Honorable Member	Dr.M.Shanthasheela Professor Department of Agricultural Extension and Rural Sociology Tamil Nadu Agricultural University, Lawley Road Coimbatore, Tamil Nadu, India - 641003
Honorable Member	Dr. M. Lekeshmanaswamy Principal, PG and Research Department of Zoology, Kongunadu Arts and Science College G.N. mills (PO), Coimbatore-641 029, TamilNadu, India.
Honorable Member	Dr. N. Balakrishnan Professor, Directorate of Research Tamil Nadu Agricultural University, Lawley Road, Coimbatore, Tamil Nadu, India - 641003.
Honorable Member	Dr.Syed Mohamed Asst. Prof. Dept. of Zoology, Jamal Mohamed College Tiruchirappalli, TamilNadu, India
Honorable Member	Dr.N.Raman Associate Professor, Department of Chemistry, VHNSN College, Virudhunagar-626 001, TamilNadu, India.
Honorable Member	Dr.Komal Kumar Javarappa Institute of Molecular Medicine Finland, University of Helsinki, Finland, Biomedicum Helsinki 2U, G315b, Finland- 00014.

Honorable Member	Dr.A.Dinakara Rao Professor, Center for Bioinformatics, School of Life Sciences, Pondicherry University, Puducherry, India
Honorable Member	Dr.K.Sivakumar Professor, Department of Botany, Annamalai University, Annamalai Nagar, TamilNadu, India
Honorable Member	Dr.A.Kalyana Sundaram Associate Professor(Entomology), Tamil Nadu Agricultural University, Lawley Road Coimbatore, Tamil Nadu, - 641003.
Honorable Member	Dr.P.Ramachandran Director & Head, Trichy Institute of Regenerative Medicine, Thillai Nagar West,Trichy,TamilNadu, India.
Honorable Member	Dr.S.Senthil Murugan Assistant Professor, Department of Animal Nutrition, College of Veterinary and Animal Sciences, Pookode, Wayanad, Kerala, India
Honorable Member	Dr.V.Violet Dhayabaran Associate Professor ,Department of Chemistry, Bishop Heber College (Autonomous), Puthur, Tiruchirappalli, Tamil Nadu, India.
Honorable Member	Dr.Ananthnag B Lecturer, Department of Environmental Science, Kuvempu University,Shivamogga, Karnataka, India.
Honorable Member	Dr.G. Rubalakshmi Scientist & Director, GRD Bio Research Centre #3/41, Nanbargal Nagar, Muthukalipatty, Rasipuram TK, Namakkal DT- 37401. T.N. ,India.
Honorable Member	Dr.M.Ramesh Professor, Department of Biotechnology, Alagappa University, Karaikudi-630003,Sivagangai Dt, TamilNadu,India.

Honorable Member	Dr.S.Ezhil Vendan, Scientist, Food Protect ants & Infestation Control Department, CSIR-Central Food Technological Research Institute, Mysore-570 020,Karnataka,India.
Honorable Member	Dr.S.Yamini Sudha Lakshmi Assistant Professor, Department of Medical Biochemistry, University of Madras,Taramani Campus, Chennai-600113,TamilNadu,India.
Honorable Member	Dr.V.L.Madhu Prasad Directorate of Extension, University of Agricultural Science, Hebbal,Bangaluru-560024. Karnataka,India.
Honorable Member	Dr.T.Shanmugasundaram Department of Vegetable Crops, Horticultural College and Research Institute, Tamil Nadu Agricultural University, Coimbatore-641 003, Tamil Nadu,India.
Honorable Member	Dr.C.Thamaraiselvi Assistant Professor, Dept. of Biotechnology Mother Teresa Women's University Kodaikanal-624101,TamilNadu,India.
Honorable Member	Dr.R.Selvaraj Department of Veterinary Physiology,Centre for Laboratory Animal Technology & Research (CPCSEA approved), Sathyabama University, Chennai – 600 119.
Honorable Member	Dr. Hasan S.A. Jawad Animal Production Department, Agricultural Faculty, University of Baghdad, Baghdad, Iraq.
Honorable Member	Dr.C.Kathirvelan Assistant Professor, Department of Animal Nutrition Veterinary College and Research Institute, Tamil Nadu Veterinary and Animal Sciences University, Namakkal -637002. TamilNadu, India.

Honorable Member	Dr. John Abraham Assistant Professor, Department of L.P.M.,College of Veterinary and Animal Sciences, Pookode, Wayanad. 673576, Kerala, India
Honorable Member	Dr.P.Kavitha Assistant Professor, Department of Zoology and Biotechnology AVVM Sri Pushpam College (Autonomous) Poondi,Thanjavur, TamilNadu, India.
Honorable Member	Dr. Gopal Muthu Scientist -'C', DHR-Model Rural Health Research Unit ICMR-National Institute of Epidemiology Government of India, Primary Health Centre Campus Kallur-627 010, Tirunelveli District, Tamil Nadu, India
Honorable Member	Dr.Ranjith.D Assistant Professor, Department of Veterinary Pharmacology and Toxicology, College of Veterinary and Animal Sciences, Pookode, Wayanad – 673576. Kerala, India
Honorable Member	Dr.Prantosh K. Paul Assistant Professor, Department of Computer & Information Science, Raiganj University, Raiganj, West Bengal-733 134, India.
Honorable Member	Dr. Ajay Anil Gurjar Professor & Dean Academics, Sipna College of Engineering & Technology, Amravati(M.S)- 444606,India.
Honorable Member	Dr.V.E.Nethaji Mariappan Scientist"F" Centre for Remote Sensing and Geoinformatics Sathyabama University,Rajiv Gandhi Road, Sholinganallur, Chennai – 600119,Tamil Nadu
Honorable Member	Dr.N.Mahesh Assistant Professor – III Department of Chemistry & Biosciences SASTRA University Srinivasa Ramanujan Centre, Kumbakonam,Thanjavur Dist, Tamilnadu, INDIA

	Dr. Sumit Kumar Cunta
	Dr.Sumit Kumar Gupta
Honorable Member	Dean of Science, Department of Physics, Parishkar College of Clobal
	Department of Physics, Parishkar College of Global Excellence , Jaipur, Rajasthan, India
	Mr.S.M.Prasad
Honorable Member	Assistant Professor,
Honorable Member	Department of Nutrition and Dietetics,
	Sadakathullah Appa College, Rahmath Nagar,Tirunelveli-627011. T.N.India
	Dr.Prakash.M
Honorable Member	Professor, Department of Capaties and Plant Preading
	Department of Genetics and Plant Breeding, Faculty of Agriculture, Annamalai University,
	Annamalai nagar- 608002.Cuddalore District
	Dr.M.N.Harisha
Honorable Member	Guest Lecturer, Department of Wildlife and Management,
I IUIIUI ADIE METIDEI	Kuvempu University, Jnanasahyadri,
	Shankaraghatta - 577451. Shimoga, Karnataka, India
	Mr.Sridhar Ramachandran
	Assistant Professor,
Honorable Member	Department of Biological Science,
	Gojan College of Teacher Education ,
	Chennai-600 052, TamilNadu, India
	Dr.P.Jeyaseelan
	Department of Agricultural Extension, Faculty of
Honorable Member	Agriculture, Annamalai University, Annamalai Nagar –
	608 002, Cuddalore
	Dr.Suja George
	Principal Scientist, Department of Biotechnology,
Honorable Member	M.S. Swaminathan Research Foundation,
	Taramani, Chennai 600113.
	Dr.Muthuraman A.,
Honorable Member	Senior Lecturerm, Pharmacological unit, AIMST
	University, 08100 Bedong, Kedah, Malaysia
	Dr C Dama Daa
	Dr.G.Rama Rao
Honorable Member	Principal Scientist & Head, Dept.of Crop Physiology, RARS Lam, Guntur-522034, ANGR Agricultural
	University, Andhra Pradesh, India
	University, Anunia Fraucsh, Inula

	Dr.Y.V. Krishna Reddy
	Department of Agricultural Engineering,
Honorable Member	Aditya Engineering College,
	Surampalem- 533437,
	East –Godavari, A.P., India
	Dr.Pushpa S Murthy Senior Scientist, Department of Spice and Flavor
Honorable Member	Science, AcSIR Associate Professor (Biological Sciences),
	CSIR - Central Food Technological Research Inst.
	MYSURU, Karnataka, INDIA
	Dr.Mathews Plamoottil
Honorable Member	Asst. Professor in Zoology,
	Govt. College Chavara, Kollam, Kerala, India
	Dr.N.Vijayakumar
	Assistant Professor,
Honorable Member	Dept.of Biochemistry & Biotechnology
	Annamalai University, Annamalainagar-608 002,
	Tamilnadu, India.
	Dr. E.Emimal Victoria Assistant Professor, Department of Zoology
Honorable Member	Sri Meenakshi Govt. Arts College for Women, Madurai,
	TamilNadu, India
	Dr.C.Kandeepan
Honorable Member	Asst.Professor and Head, PG Department of Zoology,
	A.P.A College of Arts and Culture, Palani-624601, Dindigul Dt. Tamil Nadu,India.
	Dr.A.Radha
	Assistant Professor, Dept. of Zoology
Honorable Member	Kunthavai Naacchiyar Govt Arts College for Women,
	Thanjavur-7,TamilNadu, India.
	Dr.P.Ramachandran
Honorable Member	Director & Head,
	Trichy Institute of Regenerative Medicine,
	Thillai Nagar West, Trichy, Tamil Nadu, India.
	Dr.B.Kaleeswaran Assistant Professor,
Honorable Member	Dept. of Zoology & Biotechnology,
	A.V.V.M.Sri Pushpam College,
	Poondi, Thanjavur, TamilNadu, India.

Honorable Member	Dr.S.Yamini Sudha Lakshmi Assistant Professor, Department of Medical Biochemistry, University of Madras,Taramani Campus, Chennai-600113,TamilNadu,India.
Honorable Member	Dr.K.Nagarajan Associate Professor & Head Department of Zoology VHN Senthikumara Nadar College, Virudhunagar,TamilNadu,India.
Honorable Member	Dr.S.Lingathurai Assistant Professor, Department of Zoology and Research Centre, at Aditanar College of Arts & Science, Virapandianpattinam, Tiruchendur - 628 216 Thoothukudi District.
Honorable Member	Dr.D.Sivaraman Scientist-C Department of Pharmacology, Sathyabama University, Jeppiaar Nagar, Rajiv Gandhi road, Chennai- 600 119. TamilNadu, India.
Honorable Member	Dr.Suja George Principal Scientist, Department of Biotechnology, M.S. Swaminathan Research Foundation, Taramani, Chennai 600113.
Honorable Member	Dr.S.V.Sai Prasad Principal Scientist & Head ICAR-IARI, Regional Station, Near Agriculture College, Indore – 452 001, Madhya Pradesh, India
Honorable Member	Subburaj. M Authorised Officer, Kolkata Seaport, Kolkata International Airport and Haldia port Food Safety and Standards Authority of India Ministry of Health and Family welfare, Govt. of India Benfish Tower, 31 GN Block, Sector V, Salt lake city Kolkata -700091, India

Honorable Member	Dr.Ga.Bakavathiappan Associate Professor in Zoology SBK College, Aruppukottai - 626 101, TamilNadu, India E.Mail: ga.bakavathiappan@gmail.com
Honorable Member	Dr.Omkar Prasad Baidya Assistant Professor, ESI-PGIMSR and ESIC Medical College, Joka, Kolkata,West Bengal, India
Honorable Member	Dr. Preethi Balasundaram Post-Doctoral Fellow, Wieden Group Alberta RNA Research & Training Institute Department of Chemistry and Biochemistry University of Lethbridge, 4401 University Drive Lethbridge, Alberta, Canada T1K 3M4
Honorable Member	Dr. Horne Iona Averal IQAC Coordinator, Associate Professor PG Research Department of Zoology, Holy cross college (Autonomous), Trichy. TamilNadu, India.
Honorable Member	Dr. S. Thenmozhi Assistant Professor (SS & AC) Soil Fertility and Irrigation Water Management TNAU, Coimbatore, Tamil Nadu, India
Honorable Member	Dr. S. Suganya Kanna Associate Professor, (Agricultural Entomology), Agricultural College and Research Institute, Tamil Nadu Agricultural University. Coimbatore, Tamil Nadu, India
Honorable Member	Dr.K.Saravanan Assistant Professor ,PG & Research Dept. of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirappalli, TamilNadu,India
Honorable Member	Dr.C.Ravinder Singh Chief Scientist - Tissue Culture & Hydroponics AAKASH GREEN RESEARCH PRIVATE LIMITED 14B/1, Bryant Nagar, 9th Street East Thoothukudi, Tamil Nadu - 628008, India.

Honorable Member	Dr.M.Biruntha Assistant Professor, Department of Animal Health and Management, Alagappa University,Karaikudi, TamilNadu,India
Honorable Member	Dr.S.Sasikala Head&Associate Professor, Department of Computer Applications, Hindusthan College of Arts and Science, Coimbatore - 641 028, Tamilnadu, India.
Honorable Member	Dr.Y.V. Krishna Reddy Department of Agricultural Engineering, Aditya Engineering College, Surampalem- 533437, East –Godavari, A.P., India
Honorable Member	Dr.Manigopa Chakraborty Chief Scientist cum University Professor Department of Genetics & Plant Breeding, Birsa Agricultural University, Kanke, Ranchi, Jharkhand – 834006., India.
Honorable Member	Dr.Huda Falah Hasan Radi Alqaraghuli Assistant Professor, College of Veterinary Medicine, University of Baghdad,Baghdad, Iraq.
Honorable Member	Dr.Arvind Prasad Dwivedi Lecturer, Department of Biochemistry, Govt. Sanjay Gandhi Smriti College, Sidhi, Madhya Pradesh, India.
Honorable Member	Dr.A.Suganya Associate Professor, Department of Agricultural Science, Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, India.
Honorable Member	Dr.M.Karthikeyan Assistant Professor (Plant Pathology) Department of Vegetable Crops ,HC&RI Tamil Nadu Agricultural University ,Coimbatore TamilNadu,India

Honorable Member	Vijaya Bhaskara Reddy.MUTHA Asst. Prof.Faculty of Public Health, St Theresa International College, 1 Moo 6 Rangsit-Nakhon Nayok Road (Klong 14), Bungsan,Ongkharak – 26120 Nakhon Nayok, Thailand
Honorable Member	Dr.Thirumal Kumar D Assistant Professor(Jr) Department of Integrative Biology, School of Bio Sciences and Technology Vellore Institute of Technology Vellore – 632014, Tamilnadu, India.
Honorable Member	Dr. Saikat Sen Dean of Faculty, Faculty of Pharmaceutical Sciences Assam down town University, Panikhaiti, Guwahati, Assam - 781026, India
Honorable Member	Dr. P. Chandramani Professor, (Agricultural Entomology), Agricultural College and Research Institute, Tamil Nadu Agricultural University Kudumiyanmalai – 622 104. Pudukkottai Dist., Tamil Nadu, India
Honorable Member	Dr.S.Prema Associate Professor of Computer Science, Arulmigu arthanareeswarar arts and science college, Tiruchengode, Tamilnadu

Indian Journal of Natural Sciences (IJONS)

Volume XIV (14)		October 2023
CODEN: IJONS (80) (2023)	ISSUE 80	ISSN: 0976 - 0997

S. No	CONTENTS	Page No.
148	Digital Exposure: Boon or Bane Vaishali N. Choudhari	61783-61787
149	Hybrid Ideals in Ordered Gamma Semigroups M.Vasu and S. Dhanasekaran	61788-61793
150	Knowledge, Awareness and Consumption of Folate Rich Dietary Sources among Women of Reproductive Age in Chennai Nandhini .S, Shiny Lizia M and Hemamalini A.J	61794-61802
151	Silica Nanoparticles Induced Neurotoxicity in Wistar Rat <i>(Rattus norvegicus)</i> Sonam Yadav, Hemant, Naresh Kumar Nirmal and P. J. John	61803-61813
152	A Recommender System Framework for Personalized Learning Experience in an eLearning A.John Martin and M. Maria Dominic	61814-61832
153	Chlorogenic Acid Loaded Chitosan Nanoparticles Downregulates Multiple Molecular Markers in 7,12-Dimethylbenz(A)Anthracene Induced Skin Carcinogenesis in Swiss Albino Mice Mani Neelakandan, Shanmugam Manoharan, Radhakrishnan Murali Naidu, Shanmugam M Sivasankaran1, Ellappan Paari4and Krishnan Harish	61833-61843
154	A Study of Talent Management and its Effect on Organisational Performance D.Sathishkumar and V. Vishnupriyadharshini	61844-61852
155	The Role of Foreign Institutional Investors in Shaping the Nifty 50 Index and Market Ownership Ganesh.R, Arun .K and Shaji Thaddeus	61853-61859
156	Influence of Size of Coarse Aggregate on Flow Properties and Mechanical Properties of Self Compacting Concrete S.Shrihari, Akella Naga Sai Baba, V.Srinivasa Reddy, Ambati Supraja and Vithal Biradar	61860-61864
157	Assessing the Probable Impacts of India's One Nation One Subscription Policy : A Survey among Kerala Library Professionals Prakash Abraham, P. Ravichandran and Neethu Mohanan	61865-61876
158	Assessing Employee Perceptions of Monetary and Non-Monetary Benefits in the Banking Industry: A Comparative Study of State Bank of India (SBI) and ICICI Bank Shweta Bagdi and Sonal Sidana	61877-61882
159	Assessment of Knowledge and Awareness Regarding Dental Management of Haemophilic Patients among Interns of a Dental Collage in Pune City – A Descriptive Cross-Sectional Study Amol Jamkhande, Yashodhara Shah, Neelam Gavali, Smita Kanase and Rutuja Kedari and Surabhi Bhola	61883-61892

160	An Exploration to Encourage Sustainable Strategies for Encouraging Plastic Debris to Reduce Carbon Footprints Eirene Barua, Ananya Kalita and Ankur Pan Saikia	61893-61900
161	Molecular Docking, Anticancer Activity, Structural Analysis, and Synthesis of Certain Novel Schiff base from Benzohydrazide Derivate Gosu Nageswara Reddy	61901-61912
162	Phytochemical Characterization of Ethyl Acetate Extract of <i>Martynia annua</i> Leaves using Gas Chromatography - Mass Spectrometry Analysis Sabarinath. C, Kalaichelvan .V.K and Senthil Kumar .R	61913-61917
163	From Vision to Reality: Status of Implementation of the ICT@School Scheme Sonali Sambyal and Kiran	61918-61927
164	In-silico Molecular Docking Analysis of Polyherbal Siddha Formulation "Elathy Chooranam" against Tyrosinase Enzyme N.Archana, D.Manikandan and M.Meenakshi Sundaram	61928-61935
165	An Effective Synthesis on Improved Agile Swarm Optimization Algorithm for Test Case Prioritization R.Nithya	61936-61950
166	Role of Cervical Conditions on Influencing Hand Eye Coordination Senthil Kumar B and Arun B	61951-61956
167	Robust Fuzzy Weighted Adaptive Denoising Algorithm for Moving Object Detection in Video Surveillance Saravanakumar S and Lingaraj M	61957-61965
168	Neuropsychiatric Effects of Sagala Noi Chooranam – A Comprehensive Review N. Sabari Girija, A. F. Glara ¹ , A. Sureka, A. Parameswari and S. Tamilselvi	61966-61972
169	On Some Properties of wã-closed Sets in Topological Spaces H. Thasleem Rani	61973-61977
170	A Study on Biomedical Waste Management in India C.Vijai, Suryalakshmi S.M. and Elayaraja M	61978-61985
171	Application of CT in the Assessment of Pancreatic Adenocarcinoma Apurva B. Gauns Dessai, Shashi Kumar Shetty and Omkar Uttam Gaonkar	61986-61992
172	Body Mass Index (BMI) – Boon or Bane for Health Workers Vd. Varnika Singh and Vd. Sangeeta Gupta	61993-61997
173	Existence of Fixed Point Theorems in Fuzzy 2-Banach Space Using E.A Property with Applications S. Princiya and S.N. Leena Nelson	61998-62004
174	Regional Disparities in Education and Occupation of Scheduled Tribes for Different Regions in Tiruvannamalai District, Tamil Nadu N. Srinath ,T. Ponnarasi, K. Sita devi and G. Tamil Selvi	62005-62013
175	Knowledge on Cervical Cancer and Perceived Barriers to the Uptake of HPV Vaccination among College Students in Chengalpattu District - a Cross Sectional Study R. Deepika, M. Tamilselvi, A. M. Amala Hazel, M. Meenakshi Sundaram and R. Meenakumari	62014-62018

176	Drug Utilization Evaluation of Antibiotics in General Medicine Department of a Tertiary Care Hospital, Namakkal Nivetha S.R, O.Megala, S. Sheshadri and K. Praveen kumar	62019-62024
177	A Review on Status of Antibiotic Pollution in India Venkata Ramesh Reddy V and M.Viswanadham	62025-62035
178	Ritonavir and Lopinavir : A Review on Novel Analytical Techniques Darshan N U, Purushotham KN, Prakash Kumar B, T. Y.Pasha and Sandip Ashok Murthale	62036-62045
179	Quality by Design-Based Tutorial for Designing an Ocular <i>In-situ</i> Gel Deepika .V and Kavitha A.N	62046-62059
180	Laboratory Investigation of the Impact of Chemically Tuned Water Flooding (CTWF) on the Time of Break through and Oil Recovery in a Part of the Geleki Oil Field of Assam-Arakan Basin Nayan Medhi	62060-62071
181	A Study of Risk Perception in Obsessive Compulsive Disorder Patients with and without History of Trauma Palak Maheshwari and Geetika Tankha	62072-62079
182	Awareness of Right to Information Legislation in Higher Educational Institutions in India Gaddela Srikanth ¹ and Delliswararao Konduru	62080-62089
183	MOD-ECDSA-BH Cryptography: A Suitable Solution for Secure Data Management in Blockchain-Based Healthcare Sector S.Kanagasankari and V.Vallinayagi	62090-62103
184	Factors Affecting the Quality of Technical Education in the 21 st Century S.Pavai Madheswari, S.D.Uma Mageswari and P.Suganthi	62104-62114
185	Dietary Agents for Improving Fertility in Human Beings C. Renuka, Saravanan.K, Elavarasi. S, Karuppanan.P, Priya. G and Revathi.G	62115-62123
186	Photo Catalytic Self-Cleaning Textiles for Sustainable Development : A Review of Recent Progress Prathiba Meganathan and Lakshmi Manokari Selvaraj	62124-62133
187	Pre Generalized Regular Weakly (pgrw-) Regular Space in Topological Spaces Vijayakumari T. Chilakwad	62134-62138
188	In silico Docking of Cyanidin on Molecular Proteins of Advanced Glycated End Products (AGE) Jayabharathi.U, Rubini.S, Vishvanath.K and Vimalavathini.R	62139-62145
189	Cubosomes: A Novel Drug Delivery T. Sravani, T. Balakrishna, M. Siva Sravani , A. Lakshmana Rao and B.D.L.N Pattabhi Ram	62146-62158
190	Handling Missing Values on Gene Expression Data using Multi-Variant and Multiple Mean Imputation S.Alagukumar and T. Kathirvalavakumar	62159-62169
191	Nutritional Analysis of Cultivated Mushrooms in <i>Pleurotus florida</i> and <i>Pleurotus djamor</i> P.Vanathi, A.Panneer Selvam and S.V.Bakiya Lakshmi	62170-62177

192	Effectiveness of <i>Uloga Suttigai</i> (Metal Cauterization) in the Management of Marul (Warts) in Siddha – A Case Report B.Bhagyalakshmi, K.Kavitha, V.Ramya, D.Periyasami and M.V.Mahadevan	62178-62182
193	A Cross Sectional Study: Perceived Stress as a Risk Factor for Peptic Ulcers Disorders Komal Patel M.D	62183-62188
194	Personalized Medicine: A Comparative study on the challenges faced by EU and US Suhana E, Vedamurthy Joshi,Akshay Sajand Varshith Kumar G	62189-62196
195	Quantitative Analysis of Heavy Metals in Selected Ice Cream Samples by Atomic Absorption Spectroscopy Sunitha.P.G, Kalaiselvi .G, Deattu .N, Ariarasudhan .V and Sudhan .D	62197-62202
196	Herbal Nanotechnology: Innovations and Applications in Modern Medicine Parimita Kalita, Kalyani Pathak and Aditya Borah	62203-62212
197	A Review of <i>Cannabis sativa</i> and its Green Synthesis with Ag Nanoparticles and its Medicinal and Economical Properties Abhishek Uniyal, Krati Saini, Suchitra Thapa Pata Magar and Rashmi Verma	62213-62221
198	Assessment of Groundwater Quality for Irrigational Suitability in Part of Taraka Watershed H. D. kote Taluk, Mysuru District, Karnataka, India, using WATCHIT. Basavaraju, Nagaraju.D, Venuprasad.A and P.C.Nagesh	62222-62236
199	Palatable CKD Die Abhinaya. S.S.Rao and A.J.Hemamalini	62237-62242
200	Study of Larvicidal Activity of Seven Traditionally Used Medicinal Plants against <i>Aedes aegypti</i> . P.A.C.Kamatchi, R. Maheswaran, K. Balakrishna and S. Arivoli	62243-62249
201	Recent Advances and Current Trends in Oral Probiotics for Elderly Oral Health—Contemporary Perspectives and Future Challenges Meenakshi .S, Raghunath .N and Hima M	62250-62252
202	A Case Report On Efficacy of Panchamudichu Kanji (Porridge) for the Management of Childhood Malnutrition (Ootasathu kuraivu)- A Case Report Dharshini Priya.G, Amala Hazel A.M, Meenakshi Sundaram.M and Meenakumari .R	62253-62257
203	Some Inverses on Generalized k-Idempotent Intuitionistic Fuzzy Matrices G. Punithavalli and M.Anandhkumar	62258-62265
204	Role of <i>In vitro</i> , <i>In silico</i> Studies on the Biological Activity Identification and Molecular Interaction Studies of <i>Lawsonia inermis</i> (Henna) Leaf Extract against a Pathogenic Fungi <i>Candida albicans</i> Moorthy Pavithra, Murugan Mukilan, Sivaraman Rathish Kumar and Banthumy Lingam Shivakumar	62266-62282
205	Diabetes Mellitus and its Association with Cardiovascular, Renal and Hepatic Outcomes: A Narrative Review S. Krishnakumar, D. Kannan, M.Neelakandan and A. Ramakrishnan	62283-62293

206	Diversity of Pathogenic Microflora in the Raw Chicken Meat: an Alarming Food Safety Concern Sunil Kumar, Neera Mehra, Razique Anwer, Mukesh Yadav, Nirmala Sehrawat and Anil Kumar Sharma	62294-62305
207	Wiener Index of Certain Graphs by using Computational Programme R.Palanikumar and T.Pitchaimani	62306-62317
208	Anxiety and Self - Efficacy: A Study on Student's Academic Achievement Rupali Yadav	62318-62326
209	Prevalence of Breast Mass among Women Attending Outpatient Department of National Institute of Siddha - Hospital based Study M. Tamil selvi, R. Deepika, A. M. Amala Hazel, M. Meenakshi Sundaram and R.Meenakumari	62327-62331
210	Natural Language Processing: A Survey and Classification Dipali K Chauhan and Khushbu R Chauhan	62332-62337
211	Military Communication System in a Highly Secure and Efficient Manner using R3 Corda Blockchain Technology Rajkumar. and Priyadharshini .G	62338-62349
212	Scholarly Open Science Publications Outcome : A Scientometric Analysis of PLOS Biology S.Gayathri and S. Srinivasaragavan	62350-62356
213	An Updated Assessment on Diclofenac Sodium Loaded Microsponge Gel for Treating Inflammation as Advanced Topical Drug Delivery System Piyali Khamkat, Vivek Barik, Snigdha Chatterjee, Prasenjit Mondal and Bhakti Bhusan Barik	62357-62367
214	FEvaluation of Antidiabetic Activity of Microencapsulated <i>Elaeocarpus</i> <i>tectorius</i> (Lour.) Poir. Leaf Extracts in STZ-NIC - Induced Diabetic Rats Keerthana Manoharan and P. Chitra	62368-62378
215	Therapeutic Effect of Herbal and Synthetic Drugs as Local Drug Delivery in Periodontics : An Insight Kevin Raj, Vidushi Sheokand and Amit Bhardwaj	62379-62390
216	Phytochemical and Pharmacological Review on <i>Garcinia talbotii</i> : A Latent Medicinal Plant Abhishek Vilas Desai and Jameel Ahmed S. Mulla	62391-62401
217	On Edge Improper Interval - Valued Complex Fuzzy Graphs R. Venkateshwara and R. Sridevi	62402-62407
218	Exploring the Implication of AI on Data Privacy across the World Aashi Saxena and Maryam Ishrat Beg	62408-62419
219	A Comparative Study on the Immediate Effect of Co-Contraction MET Method of Hamstring Versus MET - Slow Eccentric Isotonic Stretch on Hamstring Flexibility among Healthy Young Individuals Sonal R. Thakkar and Bhoomika Brahmbhatt	62420-62428
220	On Schur Complement of Interval Valued κ – Kernel Symmetric Block Fuzzy Matrices M. Kaliraja and T.Bhavani	62429-62435
221	Isolation of Fungal Endophytes from <i>Chamaecostus cuspidatus</i> and Its Antibacterial Activity Prasanna Srinivas.R, Amrita Nigam and ArunaJampani	62436-62439

222	Application of Statistical Techniques for Monitoring and Evaluation of Water Quality of Bhima River Vilas Vasant Patil and Agastirishi Bharat Toradmal	62440-62451
223	Non Timber Forest Products (NTFPs) for Sustainable Livelihood: Challenges and Approaches Satya Kishan and Kavita Silwal	62452-62459
224	Scrutinize the Chronic IIInesses That Affect Farmers in Rural Areas and Work to Cut Their Related Expenses to These IIInesses P .Nithya, C.D .Nandakumar and S. Srinivasan	62460-62465
225	Phase Transition, Molecular Polarizability and Histogram Equalization Studies on Two Liquid Crystals of Same Terminal Group and Different Linking and End Chains Shobha N.C, K. Fakkruddin, Anitha R and Swarna S	62466-62478
226	Physico-Chemical Profile of Goat Milk Based Probiotic Yogurt Incorporated with Stevia Extract Jaspreet Kaur, Sarla Lakhawat and Renu Mogra	62479-62485
227	A Study on Effectiveness of External Search Partner in Northerly Automotive Solutions Pvt. Ltd R.Akila and Santosh P. Mane	62486-62492
228	An Overview of Drones in Agriculture Sruti Manjari Padhiary, Ajay Kumar Prusty, Archana Mishra and Sandeep Rout	62493-62497
229	Passengers' Perception towards Service Quality of Airlines R.Tamil Selvi, G.Anitha Rathna, P.Pavithra and N. Priyadharshini	62498-62506
230	Growth and Yield Performances of Soybean Plants under Integrated Nutrient Management Tapanwina Senapati, M. R. Deshmukh, Bidusi Tripathy and Sandeep Rout	62507-62511
231	Optimization of Temperature and Pretreatment of <i>Phaseolus Lunatus</i> Bean Pod Waste For Bioethanol Production R. Gloria Jemmi Christobel and M. Ramya	62512-62520
232	Influence of Silicon Amendments on the Population Dynamics of Natural Enemies of BPH in Rice Ecosystem in Coastal Odisha Subhalaxmi Roy, Rajeeb Kumar Behera, SP Monalisa and Madhusmita Patra	62521-62527
233	Geo environmental Assessment of Spatial Soil Salinization for Agriculture Land Management- a case study from village Kolgaon, Niphad Tahsil, Maharashtra Dnyaneshwar N. Pawar, Milind Wagh and Priyanka Bochare	62528-62536
234	Antibacterial Activity and GC-MS Analysis of Methanolic Leaf Extract of Vanda spathulata (L.) SprengAvulnerable Orchid Jeline Rani J, Nandagopalan V and Azhagiyamanavalan Lakshmi Prabha	62537-62545
235	Improvement of Ancient Marathi Stone Inscriptions using Digital Image Enhancement Techniques Bapu D. Chendage and Rajivkumar S. Mente	62546-62554
236	Estimation of Land Surface Temperature Over Silai River Basin, W.B, India Santosh P Mane and Sukamal Maity	62555-62566
237	Sustainable Agricultural Production through Genetic Engineering Technology in India: A Need Shaheema A. S	62567-62571

238	A Comparative Study of Air Pollution Tolerance Index in Plants S.Vaidehi, P.T.Srinivasan and M.Magesh	62572-62578
239	Impact of Digital Marketing on Buying Behaviour of Medical Professionals through SEM: the Mediating Role of Income and Qualification" Monika Pathak and Sultan Singh	62579-62590
240	A Study on Awareness and Usage Level of Women Safety Application Launched by Government of Karnataka Chaithra S.R, Swathi.S, Anushree and Velu	62591-62599
241	Linear Programming Problems using Graph Theory Roopa. J and Hemalatha N .C	62600-62609
242	Controlling the use of Alcohol Consumption through Data Analytics S. Karthikeyan and N.Ganapathiram	62610-62616
243	Part of Speech Tagger and Syntactic Parser for Tulu Language Using Machine Learning Approach Renita Blossom Monteiro and Divya V R	62617-62624
244	A Zero-inflated Poisson Model is used to Estimate the Percentage of Infertile Females using EM Algorithm Divya V. R, Renita Monterio Blossom and Mohini Bhat	62625-62633
245	Hairy Root Cultures as a Combinatorial Approach for Enhanced Production of Gymnemic Acid from Leaves of <i>Gymnema sylvestre</i> R. Br. A. Kavitha, P. Manjula and A. Rajani	62634-62638
246	Enhanced AODV Protocol for an Innovative Approach for forecasting of Software Threads Prakash Chandra Behera, Chinmaya Das and H. M Matharu	62639-62643
247	Personalized Traditional Ayurvedic Herbs Combination Prediction in India using Random Forest Predictive Algorithm Jwala jose, Angeline Prasanna Gopalan and Jinu Paulson. S	62644-62651
248	Closure Properties of Picture Fuzzy Finite Automata K. Jency Priya, A. Jeny Jordon and P. Rajapushpam	62652-62657
249	Fuzzy Optimization in Disease Recognition Based on Gernotology and Chronic Disease Using Fuzzy Numbers B. Amala Jasmine	62658-62666
250	Edge Computing with the Internet of Things Suma .N, Mary Joyce Vincia. V and Bincy Joseph	62667-62675
251	Artificial Intelligence an aid to Banking and Financial Institutions Authors H M Matharu, Chinmaya Das and Prakash Chandra Behera	62676-62683
252	Designing MIL-STD-105D with Zero One Sampling System-3(n;k) Liji Sebastian, Vennila J and Rita S	62684-62690
253	Environmental Monitoring using IoT Technology Sunetra Chatterjee	62691-62696
254	Cluster-based Routing Protocol with Machine Learning Support for Wireless Smart Grids Sumanth . S	62697-62706
255	Enhanced AODV Protocol for Reliable Routing in Wireless Sensor Networks Chetan B.S and Keerthi B.R	62707-62712

256	Internet of Things (IoT) and Digital Lives: An Empirical approach on the Security, Privacy and Trust for Enhanced IoT User Experience Naveen Kumar.R, Pavithra, Maharaja.T, Yuvaraj.T, R.Mohan Kumar and T.Muthu Kumar	62713-62722
257	Dependence of Breakdown Voltage on Concentration of Electrolyte in Anodization of Zircolay-4 and Niobium V.Jeevana Jyothi, Viplav duth Shukla and Ch.Anjaneyulu	62723-62728
258	Investigating the Investment Behaviour and Perception of Working Population towards Crypto Currency in Bengaluru Chaithra S.R, Amatul Noor Siddeequa, Pavan Kumar and Mohamme Shahbaz	62729-62740
259	Design of Microcontroller Based Cost Effective Ventilator As A Respiratory Supporter for Critical Care Patients J.Achyutha Devi, S. Ravi Kiran and L.Radhika Rani	62741-62747
260	Prediction of Environmental Pollution using Hybrid Model Vinitha Serrao and Satyanarayana	62748-62755
261	Survey on Artificial Intelligence (AI) Applications in Computer Science and Higher Education Sumanth. S and Siddarama .S	62756-62760
262	Evaluation of Xanthine Oxidase Inhibition Potential of F <i>icus carica</i> and S <i>pinacia oleracea</i> S. Ravi Kiran and J. Achyutha Devi	62761-62766
263	Full Factorial (3 ²) Design Approach for Modelling and Analysis of the Physicochemical Properties of Poly Vinyl Alcohol/Barley Husk based Composite Films Deepak Kohli, Sangeeta Garg, A K Jana, D S Panwar, B K Tudu, Jigna Patel, Vishalkumar U Shah and Jigesh Mehta	62767-62783
264	<i>Pokkali</i> - A Healthier Part of Climate Resilient Agriculture Shily.C, Shynin Brintha T.S. and Jeeva. S	62784-62790
265	Fostering Entrepreneurship and Innovation in India: Exploring Venture Capital's Role in Startup Growth Ziliya. K P and Umme Jahanara	62791-62801
266	Analysis of Patterns and Effects of Traffic Density on Urban Transportation Systems Prajakta Nilesh Warale and Huma Lone	62802-62813
267	Impact of Non-Performing Assets on the Performance of Public Sector Banks in India-A Credit Risk Management Analysis G.Shapna and T.Kokilapriya	62814-62820
268	Vascular Plant Diversity in the Coastal Sand Dunes of Pannaiyoor Coast, Southwest Coast of India Murugan Muthulekshmi Shyra, Thankappan Sarasabai Shynin Brintha and Rajaram Mary Sujin	62821-62829
269	Studies on Impacts of Pesticides usage on Human Health - A Review Haripriya .A and Lingaraju .H.G	62830-62837
270	Therapeutic Potential of Agmatine in Neurodegenerative and Neurological Disorders Pavan Kumar P. Wankhade, Aritra Chandra, Aishwarya Reddy, Payal Patel and Udaya Salunke	62838-62845

271	Machine Learning for Rice Plant Disease Detection: A Revolutionary approach for Agricultural Research Patel Maulika Bhadresh and Riddhi Desai	62846-62854
272	Removing of Heavy Metals from Waste Water using Agricultural Waste as Adsorbents Kevin J Patel, Pavan V Kalivarapu, Akshaysinh R Magodara and Anand Upadhyay	62855-62865
273	Sequential Decision Making using Neurosymbolic AI Kaushal Singh, Mitul Raj, Bhavisha Shah and Barkha Wadhvani	62866-62872
274	Hybrid Digital and Analog Beam forming Design for Large-Scale Antenna Arrays Sagarkumar Patel, Dharmendra Chauhan, Kshitij Deolekar ¹ ,Hardik Modi ¹ and Amit V Patel	62873-62877
275	The Effect of Leaching Time on Coal Fly Ash Desilication during the Leaching Process for the Alkali Activators NaOH and KOH Anil Kumar Murmu and Lipika Parida	62878-62881
276	An Overview on Recent Advancement in Adsorption Techniques for Waste Water Treatment Ayush Raj, Prashant P. Singh and Akshaysinh R Magodara	62882-62895
277	Evaluation the Properties of Self Compacting Concrete by using Treated Recycled Aggregates Prachi Pandya, Gaurav Vyas and C.G.Patel	62896-62902
278	A Novel Proposal for a Predictive AI Model to Achieve Optimum Maintenance Cycle of Industrial Machineries Tasneem Kagzi and Kamlendu Pandey	62903-62910
279	Keystroke Logger: Corporate Data Monitoring Bhavisha Shah, Barkha Wadhvani and Kaushal Singh	62911-62917
280	Tools and Techniques for Analyzing Digital Forensics Data Sneha Saini, Kaushal Gor and Vibhuti Patel	62918-62924
281	Downstream Purification of 2,3-Butanediol from Fermentation Broth using a 1-butanol / Nacl System Pramod M Gawal	62925-62932
282	Summarization the Statistical Data for Product of iPhone Apple Company's Annual Selling Data by the Regions between 2015 to 2022 (Millions) using Box Plot. Ravi Dhandhukiya and Reema Sorathiya	62933-62936
283	Minimizing Cryptographic Computaional Power of Wireless Sensor Networks using Blowfish Algorithm with Geo-Coordinates and Token Generated Key Usman Abdullahi Adam, Mitul Patel and Aliyu Mustapha Gidado	62937-62946
284	The Art of Motion: Harnessing Deep Learning and Representative Frames for Lightning-Fast Hand Gesture Recognition Anjuman Ranavadiya, Riya Gohil and Meghal Prajapati	62947-62953
285	Call Data Record Analysis using Apriori Algorithm Sejal Mishra, Hiral Patel, Abhinav Shukla, Dhiren Prajapati, Jayesh Mevada and Rahul Jain	62954-62960

286	A Comprehensive Approach to Smart Crop Recommendation for Enhanced Agricultural Productivity Mrugesh Patel and Zinal Solanki	62961-62968
287	Smart Wheelchair Deepak Vala, Megha Bariya and Divyapal Baria	62969-62973
288	Semantic Knowledge Graphs for Conversational Recommendation Systems Aakash Gupta and Hemangini Patel	62974-62981
289	Recycling used Hydrochloric Acid to Create Aluminum Chloride from Bauxite Vishalkumar U Shah, Pratima Gajbhiye, Jigesh Mehta, Deepak Kohli, Deepak Singh Panwar, Balraj krishnanTudu and Jigna Patel	62982-62988
290	The Distribution Study of ³⁶ Cl (test-case) for PET using a Monte Carlo Technique R. Prajapati, N.N. Deshmukh, N.D. Shah, P. K. Rath ³ , M. Swain, M.M. Mishra and M. Mishra	62989-62992
291	Performance Optimizer LTE Evaluation Algorithm for Hard Handover with Average RSRP Restraint Barkha Makwana, Khushbu Chauhan and Deep Chothani	62993-62999

Editorial Disaster Risk Reduction for Sustainable Livelihood Security



Disaster risk reduction is the concept and practice of reducing disaster risks through systematic efforts to analyze and reduce the causal factors of disasters. Current study estimates that by 2030, the world could experience more than 500 disasters per year. About 75% of extreme weather events are caused by climate change. In particular it is fueled by carbon emissions. The 2011 earthquake in eastern Japan killed many disabled people. A UN estimate found that 90% of deaths in developing countries were caused by weather and water

hazards from 1970 to 2019. Sudden disasters displace millions of people every year. Development activities may increase industrial hazards, leading to environmental emergencies and severe pollution events. Creating a map for disaster risk reduction can help identify other global agendas and unattainable goals, including the Sustainable Development Goals, the Paris Climate Agreement, the New Urban Agenda, and the Biodiversity Agenda. Every year 13th October is observed as International Day for Disaster Risk Reduction. The day was launched in 1989 at the call of the United Nations General Assembly to promote a global culture of risk-awareness and disaster reduction. In 2015, the Third UN world Conference on Disaster Risk Reduction in Sendai, Japan called for urgent strengthening of capacities at the local level to deal with disaster. The main objective of the Disaster Reduction Day is to raise awareness about how people and communities around the world can cope with disasters and the importance of managing those risks. Raise awareness of environmental risks, support and strengthen environmental mainstreaming in development and risk reduction policies and action. Improve coordination between civil society and government agencies in implementing DRR programs and government policies. Develop ecofriendly technologies it is essential for environmental sustainability. Collect detailed information on disaster events and use them to develop study plan methods. In particular, it is necessary to prioritize studies that have the potential to improve the tools necessary for early detection of disaster events. Universities, research institutes, colleges and other relevant centers should be involved in this. In the event of a hazard or disaster, it is essential that the community be provided with a process of establishing advance arrangements, technical support, tools and training to implement a timely, effective and appropriate plan. Disaster risk management mechanisms need to be strengthened by first understanding the existing or impending disaster risks. Among South Asian countries, India is the most vulnerable country to disasters due to its diverse and vulnerable geo-climatic nature. It is imperative to learn lessons from the impacts of past disasters. As a common but determined citizen of India, we can start today to contribute our little bit by whatever means/instruments we may be in whatever position we are in. It is the duty of each and every one of us to create enough awareness among our people to repair and preserve the damage caused during times of calamity especially economic mental and physical damage.

Editor, IJONS Image credit : UNO

Cover Image Ditch Jewel- *Brachythemis contaminata*, Family : Libellulidae Photo Credit : R.Durai Babu, Ramanathapuram, Tamil Nadu, India.