

INDIAN JOURNAL OF NATURAL SCIENCES (IJONS)
BIMONTHLY INTERNATIONAL JOURNAL

Editor-in-Chief
Dr.S.Vijikumar

Published by
TAMILNADU SCIENTIFIC RESEARCH ORGANISATION
ARIMALAM – 622 201, PUDUKKOTTAI, TAMIL NADU INDIA
ijonstnsro@gmail.com, editorijons@gmail.com, www.tnsroindia.org

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)”.

Indian Journal of Natural Sciences (IJONS)

Editor-in-Chief	Dr.S.Vijikumar Director TamilNadu Scientific Research Organisation Arimalam – 622 201. Pudukkottai, Tamil Nadu. India.
	Editorial Committee
Honorable Chief Advisor	Prof. Dr. V. Ramaiyan Marine Biologist Research Advisor Sri Venkateswara College of Arts & Science. Peravoorani, Thanjavur. Tamil Nadu. India.
Honorable Member	Dr. N. Jayabalan Professor & Head, Dept. of plant Science, School of life Sciences Bharathidasan University, Tiruchirappalli. Tamil Nadu. India.
Honorable Member	Dr. T.S. Saravanan Professor & Head Associate Professor in Zoology Jamal Mohamed College Tiruchirappalli – 620 020,Tamil Nadu. India.
Honorable Member	Dr.S.P.Subramaniyan Asst.Controller of Patents and Designs (Govt.of India) Patent Office,IPR Building,GST Road,Guindy,Chennai 600032
Honorable Member	Er. Abdul Samad. M. Kamdod Assistant Professor Department of Civil Engineering Bharat Institute of Science & Technology for Women Mangalpally, Renga Reddy Dist. Andhra Pradesh, India
Honorable Member	Dr. Hina kousar Assistant Professor Department of Environmental Sciences, Kuvempu University Shankaraghatta, Shivamogga – 577 451, Karnataka ,India
Honorable Member	Mr.B.Rajesh Manager (Tech. Services Env.) Grass Roots Research & Creation India (P) Ltd Noida – 201301,Uttar Pradesh,India
Honorable Member	Mr. K.Ramanathan Head, Department of Bioinformatics, Thanthai Hans Roever College Perambalur, TamilNadu, India.
Honorable Member	Dr. K.Gurunathan Prof & Head, Department of Nano science & Technology, Alagappa University, Karaikudi, TamilNadu, 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	Dr.M.Ravichandran Prof.& Head Department of Environmental Management Bharathidasan University, Tiruchirappalli. Tamil Nadu. India.
Honorable Member	Dr.M.Krishnan Prof.& Head Department of Environmental Biotechnology Bharathidasan University, Tiruchirappalli. Tamil Nadu. India
Honorable Member	Dr.K.Kumarasamy Prof.& Head Department of Geography Bharathidasan University, Tiruchirappalli. Tamil Nadu. India
Honorable Member	Mr.Mohummad Jawaid Alam Nature Club of India 65/B,Zaakir Nagar, PC Colony, Kankarbah, Patna-800020, Bihar.
Honorable Member	Dr.G.G.Hammad Ahmad Shadab Senior Assistant Professor, Department of Zoology Aligarh Muslim University Aligarh-202002,Uttar Pradesh
Honorable Member	Dr.H.Syed Jahangir Assistant Professor, P.G. and Research Department of Botany Jamal Mohamed College(Autonomous) Trichirappalli-620020,TamilNadu,India.
Honorable Member	Dr. P. Santhanam Assistant Professor Department of Marine Science, School of Marine Sciences Bharathidasan University, Tiruchirappalli. Tamil Nadu. India
Honorable Member	Dr. Komalavalli Narayanaswamy Associate Professor, PG and Research Department of Botany, H.H. The Rajah's College (Autonomous), Pudukkottai – 622 001, Tamil Nadu, India.
Honorable Member	Dr.B.Parimala Devi Professor and Head Department of Biotechnology, PRIST University,Thanjavur-613 403 TamilNadu,India.
Honorable Member	Dr. M. Lekeshmanaswamy Associate professor, PG and Research Department of Zoology, Kongunadu Arts and Science College, G.N. mills (PO), Coimbatore-641 029, TamilNadu, India
Honorable Member	Dr.Syed Mohamed Asst. Prof. Dept. of Zoology Jamal Mohamed College Tiruchirappalli, TamilNadu, India.

Indian Journal of Natural Sciences (IJONS)

Volume II		April 2012
CODEN: IJONS (11) (2012)		ISSN: 0976 - 0997
Issue 11		
S. No	CONTENTS	Page No
	Editorial	
1	Vermitechnology – an Eco-biological Tool for Management of Solid Wastes, with Special Reference to Pressmud, Sludge and Cowdung. Lekshmanaswamy.M and D. Yasotha.	863-868
2	Study on Hepatoprotective Effect of Heart Wood Extract of <i>Pterocarpus marsupium</i> Roxb., in MSG-Induced Obese Male Albino-Mice (<i>Mus musculus</i>). Christy Amudha. R and C.D. Lethi	869-882
3	Effect of Blood Meal Substitution for Groundnut oilcake in the Fish Feed on Growth and Nutritive Composition of <i>Catla catla</i> and <i>Labeo rohita</i> Sundaramoorthy. M and T.S. Saravanan	883-890
4	Heavy Metal Contamination in Bhadravathi Town, Shimoga District, Karnataka, India. Neethu Patil , Ananthanag.B and Puttaiah.E.T	891-894
5	Evaluation of Protective Potential of <i>pterocarpus marsupium</i> Roxb. in the Tissues of MSG-Induced Obese Male Albino Mice - <i>Mus musculus</i> . Christy Amudha. R and C.D. Lethi	895-906
6	Heavy Metals Contamination in Soils and Food Crops in the Vicinity of Orathupalayam Reservoir in Tiruppur, TamilNadu, India. Udayakumar.P and M. Lekshmanaswamy	907-913
7	Microbial Decolourization and Bioremediation of Molasses Waste Water Jai shanker Pillai H.P , Venkat M Shinde , Ananth Nag.B, K. Girish , Sirajuddin M Horaginamani and E T Puttaiah	914-920
8	Recent Trends in the Population Status of the Endangered Vulture (<i>Gyps bengalensis</i>) Nilgiri District, TamilNadu, India. Premdass .K and M. Lekshmanaswamy	921-930
9	Importance of biodiesel fuel in Rural North Karnataka region,Karnataka, India. Anantha Nag.B, Neethu Patil , P.Chithkala , H.N. Ramesh Babu and E.T.Puttaiah	931-938
10	An Enumeration of Different Organic and Inorganic Manure on Transplanted Rice (KMP-101TANU) Shwetha .S and Ananth Nag. B	939-947
11	Pilot Scale Vermicomposting of Water Hyacinth, Pineapple Waste and Corn Bract with Earthworms Native of Tiruchirappalli,India. Sujatha Ilangovan , C.D.Lethi, Malathi.A, K.Kanimozhi , R.P.Ramyapriyaa and R.Sudha	948-953
12	Heavy Metals Distribution in Surface Sediments of River Noyyal at Tirupur, TamilNadu, India. Udayakumar.P and M. Lekshmanaswamy	954-960
20	Instruction to Author	961-964

Editorial

Dear Readers...

Vision of Climate change

Climate change is no more an environmental concern. It has emerged as the biggest developmental challenge for the planet. Its economic impacts, particularly on the poor, make it a major governance issue as well. India, one of the fastest economies of the world, faces the challenge of making available the energy needed to fuel this impressive economic growth. More than 700 million people still cook on traditional cook stoves using crop waste and animal residue. A World Bank study published in 2007 looked at the carbon dioxide emissions intensities of the world's 20 largest economies. The CO₂ intensity data for India is better than that of Germany and same as that of Japan that is universally cited as the world's most energy efficient economy. More than 400 million people still don't have access to electricity. Traditionally India has been highly vulnerable to climate related events like floods, droughts and cyclones. India has many publicly funded programs to address the direct impacts and prevention and control of climate risks. In addition to these, the main objective of major anti-poverty and rural development programs is reduction of vulnerability to climate risks. Capacity development can strengthen resilience to climate change by strengthening the capacity of national and local institutions. Climate change strategy needs to focus on supporting design of policies and action plans, promoting early adaptation as well as long-term strategies like directing investment towards low carbon technologies and practices and finally integrating climate change broadly into development assistance at the global, regional and national levels. Prime Minister's Climate Change Council has proposed eight missions that cover areas such as agriculture, water, forests, sustainable habitat, solar energy and energy efficiency and strategic knowledge. These missions need to integrate greater concerns for gender- inclusive agenda.

Naturally yours



Vijikumar. S

Chief Editor