

INDIAN JOURNAL OF NATURAL SCIENCES (IJONS)
BIMONTHLY INTERNATIONAL JOURNAL

Editor-in-Chief
Dr.S.Vijikumar

Published by
TAMILNADU SCIENTIFIC RESEARCH ORGANISATION

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)".

Indian Journal of Natural Sciences (IJONS)

| | |
|-------------------------|---|
| Editor-in-Chief | Dr.S.Vijikumar Director TamilNadu Scientific Research Organisation Pudukkottai-622003, 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 Chief Advisor | Prof.Dr.A.Ganapathi UGC BSR Emeritus Professor Department of Biotechnology School of Life Sciences, Bharathidasan University, Tiruchirappalli. Tamil Nadu. India. |
| Honorable Chief Advisor | Dr. Sr.D.Victoriya Amalorpava Mary, FBS Principal, Bon Secours College for Women, Vilar bypass road, Thanjavur - 613 006. Tamilnadu, South 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 of Biotechnology cum Research Co-ordinator Dr.M.G.R Educational and Research Institute University Periyar E.V.R High Road, Maduravoyal, Chennai-600095. |
| 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 | Dr.A.Sathya, Assistant professor – III, School of Civil Engineering, SASTRA University, Thanjavur – 613401, TamilNadu, India. |
| 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 | Mrs.A.Indumathi Asst.Professor,Department of Biotechnology, Bon Secours College for Women,Vilar bypass road, Thanjavur Tamilnadu, South 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.B.Parimala Devi Additional Director, Veeramani Mohana Centre for Quality Life Engineering Research, Periyar Maniyammai University, Vallam,Thanjavur ,Tamil Nadu. 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.P.Udayakumar Principal, Jayanthi College of Education,Jayanthi Gardens Arulpurm,Tirupur(Dist.)-641605, TamilNadu, India |

| | |
|------------------|---|
| Honorable Member | Dr.Syed Mohamed Asst. Prof. Dept. of Zoology, Jamal Mohamed College Tiruchirappalli, TamilNadu, 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 | Mis.S.Muthu Bharathi Asst.Professor, Department of Chemistry, Bon Secours College for Women, Vilar bypass road, Thanjavur Tamilnadu, South India |
| Honorable Member | Mrs.Sujatha Ilangovan Assistant Professor, Department of Biochemistry Holy Cross College, Tiruchirapalli-620002. TamilNadu, India. |
| Honorable Member | Dr.C.Kathirvelan Assistant Professor, Department of Animal Nutrition Veterinary College and Research Institute (TANUVAS) Namakkal -637002. TamilNadu, India. |
| Honorable Member | Professor.G.Ganesan Professor, Department of Mathematics Adikavi Nannaya University, Rajahmundry-533105 Andhra Pradesh, India. |
| Honorable Member | Mis D.Kalpana Asst.Professor, Department of Chemistry, Bon Secours College for Women, Vilar bypass road, Thanjavur TamilNadu, South 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.P.Kavitha Assistant Professor, Department of Zoology and Biotechnology AVVM Sri Pushpam College (Autonomous) Poondi, Thanjavur, TamilNadu, India. |
| Honorable Member | Dr.Vasudevan Ayyappan Department of Biology, Delaware State University, Dover, Delaware - 19901 |
| Honorable Member | Mrs.A.Amargeetha Asst.Professor, Department of Chemistry, Bon Secours College for Women, Vilar bypass road, Thanjavur TamilNadu, South India |
| Honorable Member | Mrs.N.Rajarajeswari Asst.Professor, Department of Physics, Bon Secours College for Women, Vilar bypass road, Thanjavur TamilNadu, South India |

Indian Journal of Natural Sciences (IJONS)

| Volume IV CODEN: IJONS (22) (2014) | | Issue 22 | February 2013 ISSN:0976 - 0997 |
|---------------------------------------|--|-----------|-----------------------------------|
| S. No. | CONTENTS | Page No. | |
| | Editorial | | |
| 1 | HPLC Stability Indicating Assay Method for Marketed Herbal Antihypertensive Formulations Containing <i>Rauwolfia serpentine</i> (L.) Benth. Sandhya. M. Bagde , Smita.G.Mujbaile and P.S.Gangane. | 1448-1458 | |
| 2 | The Impact of Neighborhood on the Landform Classification Map. Marzieh Mokarram and Abdollah Seif | 1459-1464 | |
| 3 | Composting of Korai Grass (<i>Cyperus corymbosus</i> Rottb.) Waste by Native Microbe and Earthworm Species in Ayyampalayam, Tiruchirappalli District,TamilNadu,India. Malathi A. , C.D.Lethi and Sujatha Ilangovan | 1465-1473 | |
| 4 | Molecular Genetic Variation and Phylogeny of Genus <i>Rhynocoris</i> Based on Mitochondrial Cytochrome c Oxidase Subunit I Gene (Heteroptera: Reduviidae) Arul Baskar, S. Dhanasekaran, K. G. Tirumurugaan, A. R.Vignesh and B. Prakash | 1474-1482 | |
| 5 | Extraction of Phytochemical Compounds from <i>Aegle marmelous</i> Linn. and Comparison of Natural and Chemotherapeutic Drugs for Diabetes Mellitus. Jiyalhuk, K.Ramanathan and K.Geetha | 1483-1493 | |
| 6 | Optimization and Purification of Alkaline Phosphatase Producing <i>Bacillus sp.</i> Gnanasankar.C, R.Ajazhaja mohideen, K. R. Narayanan and A. G. Murugesan | 1494-1500 | |
| 7 | Pharmacological Studies on <i>Euphorbia fusiformis</i> Buch – Ham. ex. D. Don (Euphorbiaceae). Kavitha K S and K Raju | 1501-1508 | |
| | Instruction to Author(s) | | |