

Nature Environment and Pollution Technology

Vol. 20, No. 5 (Supplement Issue), December 2021

CONTENTS

1. **A. Benarabi, M. S. Nili and A. Douadi**, Study of Some Indicators of Environmental Pollution of Surface Soil for the City of Touggourt (Southeast Algeria) 1863-1871
2. **M. Bala, A. Sharma and G. Sharma**, Spatial Variation of Trace Metals between Industrial and Rural Dwelling Birds of India 1873-1879
3. **S. A. Abbasi, Tabassum-Abbasi and Pratiksha Patnaik**, Biomimetically Generated Nanoparticles in Boosting the Performance of Microbial Fuel Cells 1881-1886
4. **H.T. Hoang and T. Kato**, Biogas Production and Greenhouse Gas (GHG) Emissions Reduction due to Use of Biogas Digesters in Small Farms in Quang Tri Province, Vietnam 1887-1894
5. **Dinesh Kumar, Sukesh Trikha and Ranju Anthony**, Healthcare Waste, Pandemic Covid-19: A Case of India 1895-1902
6. **C.O. Ataguba and I. C. Brink**, Characterization and Assessment of Stormwater Runoff Quality from Automobile Workshops in Nigeria Using Multivariate Linear Regression 1903-1913
7. **D. P. Dave and K. V. Chauhan**, Current Approach to Develop TiO₂ Thin Film as Photocatalysts for Low-Density Plastic Degradation 1915-1921
8. **M. Ouzzane, M. T. Naqash and O. Harireche**, Assessment of the Potential Use of Shallow Geothermal Energy Source for Air Heating and Cooling in the Kingdom of Saudi Arabia 1923-1934
9. **Kshitij Upadhyay and Samir Bajpai**, Microplastics in Landfills: A Comprehensive Review on Occurrence, Characteristics and Pathways to the Aquatic Environment 1935-1945
10. **Sushil M. Chaudhari and Rohit B. Meshram**, A Comparative Life Cycle Assessment (LCA) of Gasoline Blending with Different Oxygenates in India 1947-1958
11. **Tareq W. M. Amen, Meng Sun, Mitsuharu Terashima and Hidenari Yasui**, Effect of Sludge Residence Time over Anaerobic Biodegradation of High Saline Biomass 1959-1965
12. **Jasvinder Kaur, Rajdeep Malik and Dushyant Gangwar**, A Reliable Cyclic Voltammetry Technique for the Degradation of Salicylaldehyde: Electrode Kinetics 1967-1972
13. **U.S.P.R. Arachchige, K.A. Viraj Miyuranga, D. Thilakarathne, R. A. Jayasinghe and N. A. Weerasekara**, Biodiesel-Alkaline Transesterification Process for Methyl Ester Production 1973-1980
14. **K. Nagamani, Prabhu Dass Batvari, S. Packialakshmi, C. Sai Kumar Reddy and B. Anuradha**, Groundwater Recharge Planning Using Field Survey for Talupula Mandal in Anantapur District, Andhra Pradesh, India 1981-1987
15. **Yajuan Li, Toru Matsumoto and Atsushi Fujiyama**, Consideration and Application of Evaluation Indicators of Regional Circular and Ecological Sphere (CES) for the Utilization of Woody Biomass 1989-1995
16. **Ramandeep Kaur and Joginder Singh**, Toxicity, Monitoring, and Biodegradation of Cypermethrin Insecticide: A Review 1997-2005
17. **Frances Roi Seston Tampubolon, Arief Sabdo Yuwono, Armansyah Halomoan Tambunan and Noer Azam Achsani**, Coal Mining Energy Utilization and Environmental Impact Management Strategy Using the LCA Method 2007-2015
18. **Bhumi Rajyaguru, Ajit Varma, Amit Kharkwal and Jasvir Singh**, Biosynthesis of Xanthan Gum by *Xanthomonas campestris* Using Cane Molasses as a Carbon Source 2017-2021
19. **A. Amuthini Sambhavi, K. Nagamani and B. Gowtham**, Evaluation of Fluoride Contamination Using GIS in Thirukkazhukundram Block, Tamil Nadu, India 2023-2030
20. **Ipsita Saha, Tatiana S. Smirnova and Vladimir A. Maryev**, Implementation of Eco-Industrial Park for Effectual Establishment of Circular Economy in Russia 2031-2040
21. **Priyanka Sharma and Kushal Qanungo**, Development of Eco-friendly Adsorbent Pellets from Low Fire Clay and Potato Starch for Potential Use in Methylene Blue Removal in Aquaculture 2041-2050
22. **Amgalan Magsar, Toru Matsumoto, Altanbold Enkhbold and Nandintsetseg Nyam-Osor**, Application of Remote Sensing and GIS Techniques for the Analysis of Lake Water Fluctuations: A Case Study of Ugii Lake, Mongolia 2051-2059
23. **R. Deepa, G. Madhu, Roy M Thomas and V. Sivanandan Achari**, Removal of Mefenamic Acid from Aqueous Solution by Fenton Process: Optimization Using Response Surface Methodology with Central Composite Design 2061-2067
24. **Maradi Sangrama Nayaka, T. Suresh, S. Manjappa and B. Suresh**, Hydrochemistry and Application of GIS in Groundwater Quality in Nagalapura Taluk, Bellary District, Karnataka, India 2069-2078

25. **S. Padmanabhan, C. Joel, Linda Joel, Obulareddy Yuvatejeswar Reddy, K.G.D. Sri Harsha and S. Ganesan**, Evaluation of Waste Plastic Pyrolysis Oil Performance with Diethyl Ether Additive on Insulated Piston Diesel Engine 2079-2086
26. **Korra Simhadri, Syam Kumar Bariki and A.V.V.S. Swamy**, Estimating the Potential of Carbon Sequestration in Tree Species of Chintapalle Forest Range, Narsipatnam Division, Visakhapatnam, Andhra Pradesh, India 2087-2097
27. **Jiawen Zhang and Toru Matsumoto**, Comparative Life Cycle Assessment Analysis of Sewage Sludge Recycling Systems in China 2099-2110
28. **R. Kanimozhi, D. Arvind Prasath, R. Dhandapani and Santhosh Sigamani**, Optimization of *Chlorella* Culture Conditions with Response Surface Methodology to Increase Biomass 2111-2116
29. **B. Prabhu Dass Batvari and K. Nagamani**, GIS-Based Surface Runoff Modeling Using Empirical Technique For A River Basin In South India 2117-2123
30. **Sudhir Kumar Chaturvedi**, Disaster Management: Tsunami and Remote Sensing Technology 2125-2136
31. **Sakshi Takkar, Anuj Kakran, Veerpal Kaur, Manik Rakhra, Manish Sharma, Pargin Bangotra and Neha Verma**, Recognition of Image-Based Plant Leaf Diseases Using Deep Learning Classification Models 2137-2147
32. **Kalivel Parameswari, M. Vijila and P. Jegathambal**, Statistical Modelling of a Comparative Phytotoxicity Study of Treated Yellow 10Gw Dye Solution With Copper and Aluminum in Electrocoagulation Process 2149-2156

**The Journal
is
Currently
Abstracted
and
Indexed
in:**

Scopus CiteScore (2020) = 0.6

Ulrich's (Refereed) database

Zetoc

J-Gate

Centre for Research Libraries

Connect Journals (India)

Research Bible (Japan)

Elektronische
Zeitschriftenbibliothek (EZB)

CNKI Scholar (China National
Knowledge Infrastructure)

AGRIS (UN-FAO)

CNKI Scholar (China National Knowledge Infrastructure)

NAAS Rating of the Journal (2019) = 3.85

Scopus®, SJR (0.154) 2020

EI Compendex of Elsevier

Chemical Abstracts, U.S.A.

Pollution Abstracts, U.S.A.

Paryavaran Abstract,
New Delhi, India

Electronic Social and Science
Citation Index (ESSCI)

CrossRef (DOI)

Google Scholar

Environment Abstract, U.S.A.

WorldCat (OCLC)

CSA: Environmental Sciences and Pollution Management

Indian Science

SHERPA/RoMEO

Access to Global Online Research in Agriculture (AGORA)

Present in UGC-CARE List (Group II)

Index Copernicus (2020) = 119.70

Indian Science Abstracts,
New Delhi, India

Elsevier Bibliographic
Databases

Zoological Records

Indian Citation Index (ICI)

EBSCO: Environment Index™

DOAJ

ProQuest, U.K.

British Library

JournalSeek

Geobase

Directory of Science

UDL-EDGE (Malaysia) Products like *i*-Journals, *i*-Focus and *i*-Future

www.neptjournal.com

Nature Environment and Pollution Technology

EDITORS

Dr. P. K. Goel

Former Head, Deptt. of Pollution Studies
Yashwantrao Chavan College of Science
Vidyanagar, Karad-415 124
Maharashtra, India

Dr. K. P. Sharma

Former Professor, Ecology Lab, Deptt. of Botany
University of Rajasthan
Jaipur-302 004, India
Rajasthan, India

Manager Operations: Mrs. Apurva Goel Garg, C-102, Building No. 12, Swarna CGHS, Beverly Park, Kanakia, Mira Road (E) (Thane) Mumbai-401107, Maharashtra, India (**E-mail: operations@neptjournal.com**)

Business Manager: Mrs. Tara P. Goel, Technoscience Publications, A-504, Bliss Avenue, Balewadi, Pune-411 045, Maharashtra, India (**E-mail: contact@neptjournal.com**)

GUEST EDITOR

Dr. G. R. Pathade, Principal

H.V. Desai College, Budhwar Peth, Pune- 411002, Maharashtra, India

EDITORIAL ADVISORY BOARD

1. **Dr. Prof. Malay Chaudhury**, Department of Civil Engineering, Universiti Teknologi PETRONAS, Malaysia
2. **Dr. Saikat Kumar Basu**, University of Lethbridge, Lethbridge AB, Canada
3. **Dr. Sudip Datta Banik**, Department of Human Ecology Cinvestav-IPN Merida, Yucatan, Mexico
4. **Dr. Elsayed Elsayed Hafez**, Deptt. of of Molecular Plant Pathology, Arid Land Institute, Egypt
5. **Dr. Dilip Nandwani**, College of Agriculture, Human & Natural Sciences, Tennessee State Univ., Nashville, TN, USA
6. **Dr. Ibrahim Umaru**, Department of Economics, Nasarawa State University, Keffi, Nigeria
7. **Dr. Tri Nguyen-Quang**, Department of Engineering Agricultural Campus, Dalhousie University, Canada
8. **Dr. Hoang Anh Tuan**, Deptt. of Science and Technology Ho Chi Minh City University of Transport, Vietnam
9. **Mr. Shun-Chung Lee**, Deptt. of Resources Engineering, National Cheng Kung University, Tainan City, Taiwan
10. **Samir Kumar Khanal**, Deptt. of Molecular Biosciences & Bioengineering, University of Hawaii, Honolulu, Hawaii
11. **Dr. Sang-Bing Tsai**, Zhongshan Institute, University of Electronic Science and Technology, China
12. **Dr. Zawawi Bin Daud**, Faculty of Civil and Environmental Engg., Universiti Tun Hussein Onn Malaysia, Johor, Malaysia
13. **Dr. Srijan Aggarwal**, Civil and Environmental Engg. University of Alaska, Fairbanks, USA
14. **Dr. M. I. Zuberi**, Department of Environmental Science, Ambo University, Ambo, Ethiopia
15. **Dr. Prof. A.B. Gupta**, Dept. of Civil Engineering, MREC, Jaipur, India
16. **Dr. B. Akbar John**, Kulliyah of Science, International Islamic University, Kuantan, Pahang, Malaysia
17. **Dr. Bing Jie Ni**, Advanced Water Management Centre, The University of Queensland, Australia
18. **Dr. Prof. S. Krishnamoorthy**, National Institute of Technology, Tiruchirapally, India
19. **Dr. Prof. (Mrs.) Madhoolika Agarwal**, Dept. of Botany, B.H.U., Varanasi, India
20. **Dr. Anthony Horton**, Envirocarb Pty Ltd., Australia
21. **Dr. C. Stella**, School of Marine Sciences, Alagappa University, Thondi -623409, Tamil Nadu, India
22. **Dr. Ahmed Jalal Khan Chowdhury**, International Islamic University, Kuantan, Pahang Darul Makmur, Malaysia
23. **Dr. Prof. M.P. Sinha**, Dumka University, Dumka, India
24. **Dr. G.R. Pathade**, H.V. Desai College, Pune, India
25. **Dr. Hossam Adel Zaqoot**, Ministry of Environmental Affairs, Ramallah, Palestine
26. **Prof. Riccardo Buccolieri**, Deptt. of Atmospheric Physics, University of Salento-Dipartimento di Scienze e Tecnologie Biologiche ed Ambientali Complesso Ecotekne-Palazzina M S.P. 6 Lecce-Monteroni, Lecce, Italy
27. **Dr. James J. Newton**, Environmental Program Manager 701 S. Walnut St. Milford, DE 19963, USA
28. **Prof. Subhashini Sharma**, Dept. of Zoology, University of Rajasthan, Jaipur, India
29. **Dr. Murat Eyvaz**, Department of Environmental Engg. Gebze Inst. of Technology, Gebze-Kocaeli, Turkey
30. **Dr. Zhihui Liu**, School of Resources and Environment Science, Xinjiang University, Urumqi, China
31. **Claudio M. Amescua García**, Department of Publications Centro de Ciencias de la Atmósfera, Universidad Nacional Autónoma de México
32. **Dr. D. R. Khanna**, Gurukul Kangri Vishwavidyalaya, Haridwar, India
33. **Dr. S. Dawood Sharief**, Dept. of Zoology, The New College, Chennai, T. N., India
34. **Dr. Amit Arora**, Department of Chemical Engineering Shaheed Bhagat Singh State Technical Campus Ferozepur -152004, Punjab, India
35. **Dr. Xianyong Meng**, Xinjiang Inst. of Ecology and Geography, Chinese Academy of Sciences, Urumqi, China
36. **Dr. Sandra Gómez-Arroyo**, Centre of Atmospheric Sciences National Autonomous University, Mexico
37. **Dr. Manish Sharma**, Deptt. of Physics, Sharda University, Greater Noida, India
38. **Dr. Wen Zhang**, Deptt. of Civil and Environmental Engineering, New Jersey Institute of Technology, USA