

ECOLOGY, ENVIRONMENT AND CONSERVATION

VOL. 28 (2) : 2022

CONTENTS

- 589–594 Disaster Risk Reduction for Students through Development of Educational Game Lusiana
—*Karunia Puji Hastuti, Akhmad Munaya Rahman and M. Feindhi Ramadhan*
- 595–601 Antioxidant Activity of Ethanolic Extract of *Bauhinia scandens*
—*Lianah Lianah, Rita Ariyana Nur Khasanah, Flori R. Sari, Krisantini, Neneng Windayani and Mashuri Masri*
- 602–605 *Acanthaster planci* a Potential Source of Protein and Amino Acids for Fish Feed Ingredients
—*Muhammad Safir, Novalina Serdiati and Kasim Mansyur*
- 606–609 Assessment of the treatment efficiency of some polycyclic aromatic hydrocarbon (PAHs) in the water by doped TiO₂
—*To Xuan Quynh and Vu Duc Toan*
- 610–614 Knowledge, Attitudes and Practices towards the Risk of Open Defecation among the Inhabitants of Rural area
—*Mohamed Osman Elamin, Aida Zaid Ali, Hatim Rahimtallah and Hatim Y. Natto*
- 615–620 Feasibility and synergistic effect of glucoamylase hydrolysis and microbial fuel cell on electricity generation from potato-waste
—*Md. Nurul Islam Siddique, B.K. Zaied and Mohd. Zamri Bin Ibrahim*
- 621–625 Habitat Distribution of Fungal Species Collected at Lung NGOC Hoangnature Reserve
—*M.T. Duong, V. L. Loi and D. H. Truong*
- 626–630 First report on the morphological and molecular identification of *Lactocollybia variicystis* from Salahadin Governorate, North Central Iraq
—*Talib O. Al-Khesraji, Milad A. Mezher and Ahmed H. M. Shugran*
- 631–634 The Use Values of Macro Fungi in Lung Ngoc Hoang Nature Reserve, Vietnam
—*T.M. Duong, D.H. Truong and V.L. Loi*
- 635–641 Calcium Ionophore Supplementation in *In vitro* Fertilization Medium towards Fertilization Rates of Kacang Goats (*Capra hircus*)
—*Azizah Yasita Najiati, Tjuk Imam Restiadi, Sri Pantja Madyawati, Imam Mustofa, Maslichah Mafruchati, Widjiati, Viski Fitri Hendrawan and Epy Muhammad Luqman*
- 642–648 Interpretation Method for Cultural and Climatic Expression Performance Acceptance for Envelope Building in Phinisi Tower, Makassar, Indonesia
—*Yuri Hermawan Prasetyo, Antariksa and Bachtiar Fauzy*
- 649–663 Mobility and Risk Interaction: Vulnerability of Accessibility of the Algiers Metropolis
—*Nait Amara Farid and Baouni Tahar*
- 664–671 Analysis of Growth and Water Quality Dynamics in White Shrimp (*Litopenaeus vannamei*) Cultivation Using the Millennial Shrimp Farming System in Indonesia
—*Zulkisam Pramudia, Abd. Rahem Faqih and Andi Kurniawan*
- 672–676 Adsorption of Nutrient Ions into Biofilm Matrices of Natural Microbial Consortium
—*Yogita Ayu Dwi Susanti, Muhammad Musa and Andi Kurniawan*
- 677–684 Assessment of *Aspergillus niger* and *Aspergillus flavus* in Inoculant Induced Composting to Remove Antibiotics in Poultry Manure
—*Roy Searca Jose P. Dela Cruz, Florencio C. Ballesteros, Jerwin R. Undan, Lani Lou Mar A. Lopez, Ma. Eloisa Faye C. Cortez and Fe L. Porciuncula*
- 685–691 Assessment of butterfly diversity status and conservation issues in Agartala urban localities of Tripura, North East, India
—*Dipak Das*

- 692–696 A Comparative Change Detection Analysis Using Remote Sensing and Geographical Information System for Coimbatore City, Tamilnadu
—Varatharajaperumal Thangavel, E. Sarojini, R. Vignesh, C.B. Anagha and G. Subashini
- 697–701 A Survey on Household Solid Waste Management in Trivandrum City, India
—Nimmi Babychan
- 702–706 Impact of frontline demonstrations of Broad Bed Furrow (BBF) on yield and economics of soybean (*Glycine max* (L.) Merrill) under Rainfed conditions of Northern Telangana Zone, India
—Raghuveer M., G. Shiva Charan, Y. Praveen Kumar, M. Sunil Kumar, A. Ramadevi, A. Poshadri and K. Mamatha
- 707–718 Climate Change Impact Assessment on Stream flow of Ganjal River, India
—Adarsh Singh and Geeta Singh
- 719–726 Efficient use of agricultural wastes as Biosorbent in the removal of Fuchsin basic dye from aqueous solutions
—S.D. Patil, S.T. Morbale and N.T. Patel
- 727–735 CO₂ emission, economic growth and energy consumption in India: A VAR analysis
—Bishnu Charan Behera
- 736–740 Remote Sensing based Noise Level Assessment: A Case Study of Coimbatore City, India
—E. Sarojini, S.D. Anitha Selvasofia, S. Kanchana and B. Kamal
- 741–746 Impact of Urbanization on Nest Site Selection and Fecundity Rate of House Sparrow, *Passer domesticus* Population
—Balaji Sundarmahalingam and Martina Jeevamani
- 747–751 Moisture Dependent Physical Properties Assessment of Deenanath Grass Seeds
—Sanjay Kumar Singh, Sheshrao Kautkar, P.K. Pathak and Amit Kumar Patil
- 752–757 Phycoremediation of Dyes: An Overview on Mechanism, Challenges, and Prospects
—M. Chugh and N. Bharadvoaja
- 758–763 Experimental Investigation of Increasing the Strength of Pervious Concrete by Partially using Flyash as A Replacement Material of Cement
—Varatharajaperumal Thangavel, Karthickraja, G., Ajith, N. and Mohamed Shameem. K
- 764–767 Poverty Eradication of Jhumias through Rubber Plantation in Tripura: A Case Study
—Suman Kalyan Chaudhury and Sukanta Sarkar
- 768–773 Native Plants Usage in Indian Ornamental Landscaping Scenario: A Review
—Rupkatha Roy Chowdhury and Shagufi Narula
- 774–778 Characterization of Soil Quality Parameters under Plain and Hilly Region of East Siang District, Arunachal Pradesh
—Tuli Taga, Ramawatar Meena, Varadaraju Viveka and Kamini Kumari
- 779–784 Effect of elevated temperature and moisture stress on gas exchange parameters of *Trianthema portulacastrum* L.
—Govindaraj T. and P. Murali Arthanari
- 785–789 Assessment of Soil Fertility Status of Cuddapah Block in YSR District, Andhra Pradesh, India
—Varadaraju Viveka, R. Meena, P. Vennela, Thaiseen, R. Karmakar and Tuli Taga
- 790–801 Influence of Urbanization on Particulate Matter Pollution in Coimbatore City, India
—M. Arunkumar, A. Manisekar and S. Dhanakumar
- 802–805 Influence of Integrated Nutrient Management in Rice (*Oryza sativa*) on Performance of Wheat (*Triticum aestivum*) under Long Term Rice-Wheat Cropping System
—Shivani Ranjan, Sumit Sow, Sanjay Kumar and Swaraj Kumar Dutta

- 806–808 Effect of Integrated Nutrient Management on Yield attributes and Yield of Broccoli (*Brassica oleracea* var. *italica*) under Mid-Hills condition of Uttarakhand
—Kuriyal H. and Goswami G.
- 809–814 Delineation of Coastal Regulation Zone of an Ecologically Sensitive Coastal Region in the Southern Indian Peninsula: A GIS Approach
—Gurugnanam Balasubramanian, Bairavi Swaminathan, Glitson Pereira, Santonu Goswami and Saroj Choudhury
- 815–823 Adsorption of Ni (II) ions from wastewater on adsorbents derived from natural materials: Kinetic and Thermodynamic study
—S.D. Patil, S.T. Morbale and N.T. Patel
- 824–827 Effect of Natural Biopesticides Neem and Commercial Chemical Pesticide Fipronil on Microbial Diversity of Earthworm Gut
—Snehalata Ankaram
- 828–830 First Record of Partial Xanthism in Bronze Featherback *Notopterus synurus* (Osteoglossiformes: Notopteridae)
—Priyankar Chakraborty and Kranti Yardi
- 831–852 Influence of predator incited fear and interference competition in the dynamics of prey-predator system where the prey species are protected in a reserved area
—Narayan Mondal, Hussam Alrabaiiah, Dipesh Barman, Jyotirmoy Roy and Shariful Alam
- 853–862 Which Indian Metropolitan City Poses Highest Human Health Risk from Ambient PM_{2.5}?
—Dikshant and Lovleen Gupta
- 863–868 Split application of GA₃: Effective to improve growth, yield and quality of cape gooseberry (*Physalis peruviana* L.)
—Madhvendra Bahadur Singh, Pawan Kumar, Manoj Kundu, Sanjay Sahay and Vivek Kumar
- 869–873 Study on Hydro Priming of Pomegranate Seeds for Germination and Seedling Vigour
—Tanumita Mondal and Ankan Das
- 874–878 Thermal Characteristics of Vernacular Architecture in Warm Humid Region
—Mihir N. Vakharia and Mahendra Joshi
- 879–885 Silicon Fertilizer – An Imperative Source for Enhancing Yield and Phytolith Content of Maize Hybrid in Desilicated Soil (*Typic rhodustalf*)
—A.M. Prabha, P. Christy Nirmala Mary, P. Saravana Pandian, T. Sivakumar and M. Shanthi
- 886–890 Extraction of Waterbodies using Support Vector Machine and Spectral Indices
—Shiva Chandra Vaddiraju, K. Bhavana, Apsana Shaik, R. Akhila and K. Sreeja
- 891–898 Responses of Physico-chemical Variables to Hypolimnetic Aeration in Lake Naukuchiyatal, Central Himalaya, India
—Mamta Pant, Pragya Singh and P.K. Gupta
- 899–904 Benthic Macro Invertebrate Diversity of Tropical River Kolar, from Nagpur, (M.S.), India
—Rawlekar K.N. and Sawane A.P.
- 905–906 Evaluation of Pigeon Pea (*Cajanus cajan* L. Millsp) Genotypes to bud Weevil Resistance
—B.D. Gite, P.V. Patil and R.M. Ambenagre
- 907–911 Evaluation of improved varieties of rice (*Oryza sativa* L.) under environmental condition of Namsai, Arunachal Pradesh, India
—Hibu Sunya, Avinash Sharma, Chowlani Manpoong, V.S. Devadas, Himanshu Pandey and Devendra Singh
- 912–914 Effect of Plant Growth Regulators (PGR) on flowering and fruiting of Pomegranate (*Punica granatum* L.) cv. Bhagwa under Prayagraj agro - climatic condition
—Saket Mishra, Jampani Nihari and Ravi Kumar Singh

- 915–921 **Experimental Investigation and Modeling on Impacts of Leachate from Bio-manures and Fertilizers Used in the Agricultural Fields Along Noyyal River**
—*E. Sarojini, Varatharajaperumal Thangavel, S. Kanchana, S.D. Anitha Selvasofia and S.T. Sudharsan*
- 922–927 **An Urban Built Form and its Microclimate on Urban Heat Island**
—*Nikhil P. Mehare and Mahendra Joshi*
- 928–934 **Influence of Nitrogen and Boron Levels as Well as Macro and Micro Nutrient Content in Leaf on Production Potential of Guava**
—*Bibha Kumari, Suraj Prakash and U.S. Jaiswal*
- 935–941 **An Assessment of Genetic variability and association studies for yield and its components of soybean MAGIC population lines (*Glycine max* (L.) Merrill.)**
—*Rajendar Reddy M., Sreedhar Chauhan, Uma Reddy R. and Sumalini K.*
- 942–945 **Effect of organic and inorganic fertilizers on Establishment and Vegetative growth of Pomegranate (*Punica granatum* L.) Cv. Ganesh**
—*Saket Mishra, Maddirala Bhargavi and Ravi Kumar Singh*
- 946–956 **Boron in Soil Plant System and Its Significance in Indian Agriculture**
—*MPS Khurana, Jatinder Singh, Vandna Chhabra, Talwinder Singh and Ankush Tarkha*
- 957–963 **Global Challenges of Small Mammalian Carnivores: A Review**
—*Prasanta Kr. Saikia, Samujjal Saharia and Malabika Kakati Saikia*
- 964–974 **Morphometric Analysis of Baghlan Province for Amu River Basin in Afghanistan using Remote Sensing and GIS**
—*Safiullah Sherzad and Tharavathy N.C.*
- 975–978 **Environmental and Health Impact of Agriculture Chemicals: Paragquat, Chlorpyrifos and Glyphosate in Thailand**
—*N. Vattanaprateep*
- 979–983 **Noise Mapping During Deepawali Festival in Raipur City of Chhattisgarh, India**
—*Vishal Kumar, A.V. Ahirwar and A.D. Prasad*
- 984–988 **Soil physical properties as influenced by different agroforestry systems in Haryana**
—*Garima Dahiya, K.K. Bhardwaj, Isha Ahlawat, R.S. Dhillon, Charan Singh and Sonia Devi*
- 989–999 **Zooplankton Assemblages in a Heavily Polluted River Ecosystem (Pinang River, Malaysia): Impacts of Anthropogenic Stressors on the Communities**
—*Azma Hanim Ismail, Ng Yang Qing and Wan Nor Afiqah Zulkarnain*
- 1000–1004 **Nutritional value of six wild edible plants traditionally used as vegetables in Morocco**
—*Ridwane Ghanimi, Ahmed Ouhammou, Hakim Baazizi, Khaoula Houguig and Mohamed Cherkaoui*
- 1005–1012 **Potential use of Algerian natural diatomite as pozzolanic and insulator material in cement mortar**
—*Bouksani Omar, Abba Fatiha, Belkacemi Marwa, Kharchi Fattoum, Benhadji Maissan and Belhamel Farid*
- 1013–1018 **Agricultural Suitability and Static Modelling: A GIS Approach**
—*Arushi Rana and Rashmi Sharma*
- 1019–1026 **Exploring indigenous bacterial isolate from dye effluent sites for decolorization of Blue HERD dye**
—*Shete U.R., Bhuktar J. J. and Jadhav A.G.*
- 1027–1030 **The Effect of Salt Percentage Difference on the Nutritional Quality of Fermented Climbing Perch (*Anabas Testudineus* Bloch) Wadi from Central Kalimantan**
—*Petrus Senas*

-
- 1031–1036 **Breeding success of Black kite (*Milvus migrans*) on Mobile Towers of Malappuram and Calicut Districts of Kerala**
—*Binu Chullakkattil and K. Seedikkoya*
- 1037–1041 **Impacts of Insurgency and Sensationalism on Eco-tourist Decision Making (TDM)**
—*Hafizullah Dar and Parwaiz Ahmad Najar*
- 1042–1047 **Spatial Variation in Elemental and Isotopic Compositions of Carbon and Nitrogen in a Coastal Lagoon Reveals Natural and Anthropogenic Influences**
—*Dang Thi Nhu Y*
- 1048–1050 **Phenol colour reaction and its biochemical basis in cultivated wheat genotypes**
—*Payal Mathur and S. K. Chakrabarty*
- 1051–1054 **Synthesis and Characterization of Magnetite for Pollutant Remediation**
—*S.N. Pradhan, R. Maurya, A.K. Ghosh, D. Panda, S.K. Bhadani and Baburam*
- 1055–1060 **Study on biochemical analysis, antioxidant assay and GCMS analysis of *Saccharina japonica***
—*Reshmi Mohamed Ali, O.S. Aysha and S. Shamini*
- 1061–1063 **Effect of residual zinc and crop residue incorporation on Iron concentration of rice grain and straw in rice - wheat cropping system**
—*Kamini Kumari, Anil Kumar Khippal and Mercy Baranski*
- 1064–1071 **Study of the Soil's Diversity of the Ouled Bechih Forest, Souk-ahras (North East of Algeria)**
—*Nebbache Saloua, Samai Ibtissem, Aounallah Ouafia, AMRI Naziha, Kara Lilia, Zentar Amina and Kissoum Nesrine*
- 1072–1078 **Study and Application of Alternative Methods to treat rainwater on the New Area Called Boukhadra III-El Bouni III (Algeria)**
—*Samai Ibtissem, Aounallah Ouafia, Nebbache Saloua, Amri Naziha, Kara Lilia, Kissoum Nesrine and Zentar Amina*
- 1079–1086 **Study of the Soils' Diversity of Annaba Plain, Algeria**
—*Aounallah Ouafia, Samai Ibtissem, Nebbache Saloua, Amri Naziha, Kara Lilia, Zentar Amina and Kissoum Nesrine*