

ECOLOGY, ENVIRONMENT AND CONSERVATION

VOL. 28 (May Suppl. Issue) : 2022

CONTENTS

- S1–S8 A Causal Model of Student Green Behavior with effect of Public Mind Inspiration and Plastic Life Cycle Assessment
—*Sapphasit Kaewhao*
- S9–S21 Sources and apportionment of aliphatic hydrocarbons in freshwater fish species from Shatt Al-Arab River, Iraq
—*Balqees S. Al-Ali, Dhafar D. Alkhion, Hamid T. AL-Saad and Ahmed I. Rushdi*
- S22–S30 Knowledge and Practices Regarding Chikungunya among Community Members in Urban Area
—*Khalid Haroon Fadul, Maha Hamad Ali, Hatim Rahamtalla Mohamed, Mazahir E Abdallah, Mohammed Osman Elamin, Hatim Abdullah Natto and Ahmed A. Osman*
- S31–S46 Fauna and Zoogeography of Scorpions (Arachnida: Scorpions) in Morocco
—*Mouad M. Kamel, Rachid Saile, Omar Tanane and Anass Kettani*
- S47–S51 Potential of Local Fast-growing Wood for Alternative Hull Materials: Epoxy Bond Strength Test and its Durability
—*Fakhri, Imam Suprayogi, Yusni Ikhwan Siregar, Sujianto and Tibertius Agus Prayitno*
- S52–S60 Assessment of Water Quality at Al-Hammar Marsh before and after Flow Improvement
—*K.A. Jafaar, T.A. Mohammad and H.L. Ali*
- S61–S67 The Carcass and Non-carcass Percentage of Bligon Goats Slaughtered with Different age and Weight In Bantul, Indonesia
—*B. Atmoko, N. Ngadiyono, Panjono and I.G.S. Budisatira*
- S68–S76 Research on species diversity and assessment of biodiversity indices of vascular plants in different wetland habitats in Cu Lao Dung district, Soc Trang province
—*T.H. Phung, T.D. Phan, T.T.N. Nguyen, M.T. Duong, V.L. Ly and V.N. Duong*
- S77–S81 The First Report on the Molecular Identification of Wild Macroscopic Fungi *Oudemansiella australis* G. Stev. and G. M. Taylor from La Union, Philippines
—*Mark Kevin S. Lopez and Jerwin R. Undan*
- S82–S87 Spatial distribution and assessment of surface Soils contamination by heavy metals of an industrial area: The Lévrier Bay (Nouadhibou, Mauritania)
—*M. Yehdhih, H. El Hadi, B. Baghdad, S. Chakiri and A. Hamoud*
- S88–S99 Drip Irrigation (*Financial analysis*) System for Strawberry Plants (*Fragaria* sp): Case Study in Pandanrejo Village, Bumiaji Sub-district, Batu City
—*Bambang Suharto, Agung Budi Leksono, Hana Luthfiyana, Yoan Andika Putri Sembiring and Fariska Vera Imanda*
- S100–S109 Assessment of Arsenic Contamination and Human Health Risk in Water Resources with Mining Influence in Fiji
—*V. Chand and S. Prasad*
- S110–S114 Effect of Treatment of Akway Bark Extract (*Drymis piperita*) on the Amount of Erythrocytes and Hemoglobin of *Orochromis niloticus* Infected with *Aeromonas hydrophila*
—*Wattimury Douglas, Yanuhar Uun, Hardoko and Sri Andayani*
- S115–S119 Pre-sowing Seed Treatments of Magnetic field, Electric field and Chemicals on Seedling Characters of Okra (*Abelmoschus esculentus*) variety- Super green
—*Atluri Haripriya, Prashant Kumar Rai and Prashant Ankur Jain*
- S120–S124 A Study on Developing Structural Measure for the Prevention of Coastal Erosion
—*S. Packialakshmi, K. Nagamani, Melbin Robin, Prabhu Dass Batvari and Shrimathy*

- S125–S129 Pre- sowing seed treatment of bio fertilizers on growth, yield and yield attributing traits of chick pea (*Cicer arietinum* L.) Variety: king Ganesh
—*Malave Gaganasree, Prashant Kumar Rai and Sasya Nagar*
- S130–S135 Assessing the pollution reduction potential of organically formulated Effective Microorganisms (EM) in sewage water
—*R. Jeyarani Haripriya, P. Kalaiselvi, E. Parameswari, A. Ramalakshmi and M. Jayakanthan*
- S136–S139 A comprehensive study on population dynamics of microbial enrichment of Organic manures
—*K. Udhaya Kumar, N. Jeyapandiyan, R. Susan Poonguzhali, R. Vinu Radha and C. Jayapradha*
- S140–S146 Conservation of a medicinal orchid through ex-situ cultivation: an experimental trial on Saalampanja (*Dactylorhiza hatagirea* D.Don) Soó in North Western part of Himalaya
—*J.S. Butola, Himshikha, Vikas Jadon, Pankaj Sharma, A.R. Malik and R.K. Vashistha*
- S147–S152 Propagation of *Prunus salicina* (L.) Santa Rosa: Effect of planting times and auxin levels on success of stem cuttings under mist environment
—*Amit Kotiyal, Anant Ram Nautiyal and Vipin Chandra Joshi*
- S153–S159 Corrosion Inhibition and Electro-ballistic properties of Green Inhibitor for Mild Steel in Mineral Acid
—*Mahima Srivastava*
- S160–S163 Vertical distribution of DTPA-micronutrients content of some selected pedons in Hydromorphic soils of Khagaria district
—*Santosh Kumar, Ramjeet Yadav, Mamta Kumari, Sneha, Rajkishore Kumar, B.K. Vimal, Y.K. Singh and Anamika Kumari*
- S164–S169 Mechanical Properties of Latex Modified Nylon Fibre Reinforced Concrete with Partial Replacement of Cement by Flyash
—*Jayaprakash Sridhar, Dhanapal Jegatheeswaran and Bimalendu Dash*
- S170–S172 Prevalence of Subclinical Mastitis in Crossbred Cows in Lakhani Tahsil of Bhandara District
—*S.S. Sardare, R.M. Kavgate, B.H. Patil and H.B. Patil*
- S173–S178 Seasonal assessment of Faecal Contamination in groundwater in rural areas of Goharganj, district Raisen (Madhya Pradesh), India
—*Meenu Sharma and Vipin Vyas*
- S179–S182 Domestication and value addition of *Artocarpus lakoocha*
—*Vinayak Pai and T.M. Akhilraj*
- S183–S190 Effect of vacuum assisted microwave drying on drying behavior of potato cubes
—*Devish Wakde, Antim Vasure and C.M. Abroal*
- S191–S197 Evaluating Litter Decomposition Rate of Five Tropical Trees using Litter Bag Technique
—*P. Nivethadevi, C. Swaminathan, K. Sangeetha, P. Kannan and B. Sivasankari*
- S198–S201 Phytosociology and Diversity Assessment of tree species of Northern Delhi Ridge Forest
—*Ravi Kumar, Ratul Baishya, Sandeep Gawdiya and Ankur Verma*
- S202–S206 Coconut area mapping and change detection analysis of coconut growing areas of Coimbatore and Tirupur districts of Tamil Nadu, India
—*K. Sivakumar, R. Jagadeeswaran, Balaji Kannan and S. Pazhanivelan*
- S207–S214 Crafting a Right to Water: A Jurisprudential Analysis
—*Shampa Dev and Avishek Chakraborty*
- S215–S219 Algal Diversity of Freshwater Lake of Tumkur City, Karnataka, India
—*G. Venkateshappa and Krishna*
- S220–S227 Removal of Methylene Blue Dye from Waste Water using Ionic Liquid Modified Aluminium Isopropoxide under Ultrasonic Irradiations
—*Amanpreet Kaur, Ashutosh Pathak and Bhupinder Kaur*

-
- S228–S235 COVID-19 Pandemic in India: First Wave v/s Second Wave
—Rashmi Rameshwari, Devendra Kumar Verma and Meenu Aggarwal
- S236–S242 Assessment of Soil Properties in Different Villages of Faridabad, India
—Priya Choudhary, Ambrina S. Khan, Shakeel A. Khan and Richa D. Nagar
- S243–S247 Occurrence of *Elysia bangtawaensis* Swennen in the mangroves of Anthropogenically polluted Thane creek, the Flamingo Bird Sanctuary, Central West Coast of India
—Siddhesh Bhave, Prathamesh Gurjarpadhye, Amol Tripathi, Sonia Benjamin, Janice Vaz, R.P. Athalye and Goldin Quadros
- S248–S254 Identification of diverse genotypes in brinjal (*Solanum melongena* L.) based on RAPD markers analysis
—Chetan Chauhan, Ujjwal Sirohi, Aastha, V. Rakesh Sharma, Mohit, Veena Chaudhary, Bijendra Singh and Mukesh Kumar
- S255–S260 Assessment of genetic diversity in Mango (*Mangifera indica* L.) based on RAPD markers
—Upendra Maurya, Navneet Kumar, Arvind Kumar, Ujjwal Sirohi, Manoj Kumar Yadav, Lokesh Kumar Gangwar, Veena Chaudhary and Mukesh Kumar
- S261–S270 Phenotypic characterization of aromatic rice (*Oryza sativa* L.) landraces of Odisha, India
—Chinmayee Sahoo, Hatanath Subudhi and Bhabatarini Panda
- S271–S276 Review on Blue Green Algae (BGA): Potential Source for Carbon Sequestration in Rice Cultivation Systems
—N. Jeyapandiyam, R. Samundeswari, R. Susan Poonghuzali, J. Patricia Kalaiarasi, C. Jayapradha and K. Udhayakumar
- S277–S282 Microbial pollution challenges for the Pharmaceutical Plants in Sikkim, India
—Asha Subba, Manoranjan Pandey, Karma G. Dolma, Sangeeta Jha and Ajeya Jha
- S283–S287 Effect of Moisture Conservation Practices on Nutrient Concentration, Uptake and Quality of Pearl millet [*Pennisetum glaucum* (L.) R. Br. emend Stuntz] Hybrids
—Sheeshpal Choudhary, L.R. Yadav, Meena Choudhary, Ramesh Chand Bana and Babu Lal
- S288–S293 Smoke Induced Seed Germination in Maize in Response to Self and Other Plants Biomass-derived Smoke
—G. Mahendra Singh, Feng Zhang, Douglas Allen Schaefer, Stefanie Goldberg and Jianchu Xu
- S294–S299 Determination of Aquifer Parameters by using Aqtesolv-software
—Dimple, Pradeep Kumar Singh, Sita Ram Bhakar, Mahesh Kothari and Kamal Kishore Yadav
- S300–S305 Molecular characterization of virus species causing yellow mosaic disease of redgram in Andhra Pradesh, India
—B.H. Chaithanya, B. V. Bhaskara Reddy, L. Prasanthi and R. Sarada Jayalakshmi Devi
- S306–S315 Evaluation of efficacy of colloidal silver particles against late blight of potato (*Phytophthora infestans* L.)
—Shantamma, K. T. Rangaswamy, N. B. Prakash and Raghavendra Achari
- S316–S329 Assessment of *Pseudomonas* spp. for Growth Promotion, Biocontrol and Stress Tolerance Applicability Towards Organic and Inorganic Pollutants
—Sonam Shaheen and S. Krishna Sundari
- S330–S337 Preliminary survey on diversity of Fish Fauna in Kunigal tank, Tumkur District, Karnataka, India
—Lalitha H.M. and Ramakrishna S.
- S338–S343 Ecology of Lakebed in Relation to Benthic Organisms in Sasthamkotta Lake in Southern Kerala, India
—Munisha Murali S. and S. Sheeba

- S344–S349 Growth Performance of Ginger Under Bamboo (*Dendrocalamus strictus*) Based Agroforestry System in Chhattisgarh
—*Jiwan Lal and M.N. Naugraiya*
- S350–S361 Comprehensive inventory of geoheritage elements of Achanakmar Tiger Reserve area of Central Indian Landscape
—*Anupama Mahato and S.S. Singh*
- S362–S369 Ecotourism Can Promote Sustainable Development in Sacred Grove of Parnera Hills
—*Hetal M. Patel and Meghna Adhvaryu*
- S370–S376 Climate change in India and the role of social workers
—*Sunil Choudhary*
- S377–S388 Analyses of abandoned coal mine pit water quality compared to the water of regular, conventional sources in respect of its utilitarian perspectives: a special reference to selected abandoned open cast mine pits of Satgram area, Raniganj coalfield, West Bengal
—*Dibyendu Saha, Jai Prakash Keshri and Nimai Chandra Saha*
- S389–S394 A detailed study of diatoms a Bacillariophyta community from Rewalsar and Prashar lakes of Himachal Pradesh, their bio-monitoring characteristics and forensic significance
—*Manish Kumar Sharma, Arun Sharma, Arvind Kumar Bhatt, Neelam Kaushik, Suresh Verma, Ashish Kumar and Nitin Tyagi*
- S395–S400 Modelling Rainfall-runoff Process for Sub Catchment of Narmada River Basin at Hoshangabad using Semi Distributed Model HBV
—*Abhishek Vats, Derrick Mario Denis and Archana J*
- S401–S406 Effect of Spacing on Growth and Yield Performance of *Zingiber officinale* Rosc. in Vertisols of Chhattisgarh
—*Jiwan Lal and M.N. Naugraiya*
- S407–S410 Grade wise yield and economics involved in potato *c.v* kufri chipsona-1 under different nutrient treatments
—*Richa Pyasi*
- S411–S418 Assessment of different Peageonpea (*Cajanus cajan* L.) genotypes for growth and yield in Prayagraj region (U.P.)
—*Vijay Dugesar, A. K. Chaurasia, P. K. Shukla and S. N. Mishra*
- S419–S425 Genetic divergence in gladiolus (*Gladiolus hybridus* Hort.) genotypes
—*Sripada Swetha, Balaji S. Kulkarni, Mukund Shiragur, M.S. Kulkarni, Mahantesha B.N. Naik, Ravindra Mulge and Laxminarayan Hegde*
- S426–S433 Qualitative Assessment of Water Resources using Water Quality Index in Lower Shivalik Himalaya Region, Uttarakhand, India
—*Neeraj Pandey, Nitin Kamboj, Aditi Bisht, Vishal Kamboj and Amrit Kumar*
- S434–S442 Cultural and morphological characterization of *Rhizoctonia solani*, responsible for Seedling blight and Dry Root rot of Lentil
—*Jasudasu G.S., Sharma B.R., Khalko S., Bandyopadhyay S. and Roy, A.*
- S443–S449 Effect of rearing seasons and food plant combinations on economic traits of cocoons and yarn of Muga silkworm (*Antheraea assamensis* Helfer)
—*P. Borpuzari, M.R. Das and A. Rahman*
- S450–S455 Assessment of Water Quality of Ameenpur Lake: The Biodiversity Heritage Site of India
—*N.S. Srinidhi, P. Madhusudhana Reddy and M. Anji Reddy*
- S456–S460 Evaluation of underground water in Kangra, Solan and Una district of Himachal Pradesh: A Review
—*Vishal Rana, Divya Gautam, Yogesh Kumar Walia and Vandana Sethi*

-
- S461–S466 Disaster Solid Waste Management: A review paper
—*Gayatri Sharma and Anu Sharma*
- S467–S472 Effect of treated sewage water and organic manure on growth indices, phenology, cob dimensions and economics of spring maize (*Zea mays* L.) in semi-arid region of Haryana, India
—*Raj Kumar, Uma Devi, Parveen Kumar, Neelam and Preetam Kumar*
- S473–S477 Preventive Measures for Landslide Disaster: A Case Study of Shimla District, H.P. India
—*Sudhir Kumar*
- S478–S481 Eutrophication Assessment Using Phytodiversity at the Land-Water Interface of Lake Anasagar of Ajmer
—*Renu Sharma*
- S482–S484 Green Synthesis of Ligand, Volumetric Analysis using Micellar Medium and Antibacterial Investigations on Cu (II)-thiosemicarbazone Systems
—*Uma Rathore and N. Bhojak*
- S485–S491 Synthesis and characterization of superabsorbent composite based on natural polysaccharide
—*M. Khan and S. Loonker*
- S492–S498 Preparation and Characterization of polysaccharide based superabsorbent nanocomposite and its use in efficient removal of Methylene blue dye
—*Neetu Dabi and Sangeeta Loonker*
- S499–S507 Semi-Decadal Spatio-temporal variation of gaseous pollutants over a Part of a National Capital Region, India
—*Yadav Neenu*
- S508–S510 Impact of Climate Change on Aquatic Plants Found in Major Lentic Water Bodies Located at Eastern Rajasthan, India
—*Rakhi Chahar and Manishita Das Mukherji*
- S511–S517 Quality Characterization of Groundwater in some parts of Jaipur District, Odisha with Special reference to Drinking Water and Irrigation standards
—*Sushree Sagarika Behera, Jagadish Kumar Tripathy and Debasis Singh*
- S518–S526 Synthesis, Characterization of Novel cross linked BE-TH resin and its application in treatment of industrial waste water
—*Rajni Bais, Gazala Khan, Seema Parveen and Ram Lal Saini*
- S527–S534 Remote Sensing Studies for Mapping of Iron Oxide Regions in Keonjhor district, Odisha, India
—*Debasis Singh, Jagadish Kumar Tripathy and Sushree Sagarika Behera*
- S535–S543 Potential of nutrient input and released from decomposing leaf litter of three dominant tree species found in a subtropical semi evergreen riparian forest of Dikhu river, Nagaland, India
—*Devin Leishangthem and M. Romeo Singh*
- S544–S547 Use of Social Media in Disaster Management: A Review
—*Minita Ojha*
- S548–S550 Excess of Fluoride and Nitrate in Ground Water of Rajasthan - Their Health Hazards and Remedial Methods
—*Ranjana Agrawal, Rashmy Nair and Poonam Ojha*
- S451–S557 Pesticide consumption and investigation of usage patterns, handling practices, farmer's education, perception on pesticide use, and biological response of earthworms to dichlorvos
—*Mohd Ashraf Dar, Chetram Meena and Garima Kaushik*
- S558–S561 Green Chemical Methods for Reduction of Levulinic Acid
—*Poonam Ojha, P.S. Verma and I.K. Sharma*

- S562–S565 **Bio-fuels: Indian Scenario-A Review**
—*Swati Joshi and Dheeraj Joshi*
- S566–S571 **Variations of water quality indicators in closed tropical freshwater systems towards selected climatic and anthropogenic disturbances**
—*A. Verma, Adhidesh S. Kumawat, A. Purohit, S. Meghwal, D. Karki and A. Kandara*
- S572–S578 **Taxonomic study of the Genus *Gandaca* Moore (Lepidoptera: Pieridae) from India**
—*Manpreet Kaur, Jagbir Singh Kirti and Avtar Kaur Sidhu*
- S579–S582 **Drought Disaster and its Management Strategies: An Overview**
—*Anu Sharma and Gayatri Sharma*