

# ECOLOGY, ENVIRONMENT AND CONSERVATION

## VOL. 27 (November Suppl. Issue) : 2021

### CONTENTS

- S1–S7 Ethnomycological survey and molecular identification of Macrofungi utilized by Bicolano community in Camarines Sur, Southern Luzon, Philippines  
—*Jerwin R. Undan, Shiena Marie C. Fermin, Lariza Mae, A. Pajarillaga, Mike Andre C. Malonzo, Sofronio P. Kalaw, Renato G. Reyes and Angeles M. De Leon*
- S8–S12 An analysis of the Mantra Mattered at Melanau Kaul Sea Rite and its association with the coastal Ecology  
—*Pan Hui and Chong Shin*
- S13–S16 Phytochemical characteristics and Antimicrobial activity of medical plant *Zizyphus mauritiana* against *Pseudomonas fluorescens*  
—*Titik Dwi Sulistiyati*
- S17–S27 The first report of Agaricales from Camarines Sur, Philippines: some new records towards Mushrooms genetic conservation  
—*Jerwin R. Undan, Mike Andre C. Malonzo, Lariza Mae Pajarillaga, Shiena Marie C. Fermin, Angeles M. De Leon, Sofronio P. Kalaw and Renato G. Reyes*
- S28–S38 Morphometric modelling of Kharpi watershed in the Dang District using geospatial techniques  
—*Ashish Guruji and Prasit Agnihotri*
- S39–S47 Nitrite levels in Well water from different Rural areas in Morocco  
—*Youssef El Baroudi, Chadia Ouazzani, Azzedine Er-Ramly, Abdellah Moustaghfir, Issam Essebbahi, Abdallah Dami and Lhoussine Balouch*
- S48–S58 Temporal change of Urban Land Use: The case of Erbil City  
—*Muayad Salah Mohammad, Necmettin Elmastas and Haidi Abdullah*
- S59–S66 Impact of Anthropic actions on the quality of surface water (Case of the Tiflet Wadi)  
—*Anass Qoutbane, Btissam Khnaijer, Essediya Cherkaoui, Mohamed Khamar and Abderrahman Nounah*
- S67–S74 India's Combat towards Climate Change and sustainability (with special emphasis on Paris Pledge and SDG's)  
—*Deepika Mann, Arjun and Jasmeet Kaur Lamba*
- S75–S80 The climate change resilience of Lemon Island Community, West Papua – Indonesia  
—*Rima HS. Siburian, Ruth Faidiban and Ricardo F. Tapilatu*
- S81–S85 Assessing Indian EIA Law in the context of EIA Draft Notification 2020  
—*M.Z.M. Nomani, Ghazal Salahuddin and Mohammad Rauf*
- S86–S93 Magnetized water as a resource of irrigation for the Barley and Legumes Cultivation an Experimental Study  
—*Ali Ghazi, Samah Hussein Kadhim and Asaad H. Sayer*
- S94–S102 Long-term rainfall trend and distribution in the Western region of the Peninsular Malaysia  
—*Hashim, M., Nayan, N., Zahid, M. S., Saleh, Y., Mahat, H., Setyowati, D.L. and Koh, L.S.*
- S103–S108 Study on the environmental characteristics of the water of the tanks of some Schools in Tikrit, Iraq  
—*Salma Khaled Yassin and Yassin Hussein Owaid*
- S109–S113 The physical properties of Najaf province soils, Iraq  
—*Nadia Mohammed Majeed, Ahmed Qasim Ubaid, Ahmed Mohammed Ali Savore, Jaafar B. Al-Gburi and Mohammed Jawad Salih Al-Haidarey*

- S114–S122 Geographical and seasonal variation effects on diversity and abundance of acridids fauna (Orthoptera: Acrididae) from Coimbatore, Tamil Nadu, India  
—*Muthu Suganya and Kannayiram Manimegalai*
- S123–S126 Dolphin Appearance in the Alor - Pantar Strait with a Variable Oceanographic Approach  
—*Jahved F. Maro, Agus Hartoko, Sutrisno Anggoro, Max R. Muskananfolo and Andri P. Timung*
- S127–S136 Relationship of season and water quality of Way Umpu river to public health in Way Kanan district-Lampung-Indonesia  
—*Anang Risgiyanto, Suharso, Buhani, Tugiyono, Agung Abadi Kiswandono, Anisa Rahmawati, Dyah Wulan Sumekar Rengganis Wardani*
- S137–S142 Spatial analysis of water quality index in the mining area over Noamundi block, Jharkhand, India  
—*Kunal Kanti Maiti, Subha Das, Jatisankar Bandyopadhyay and Debashish Chakravarty*
- S143–S149 Study on Strength Behaviour of Concrete Blocks with Filled up Poly Ethylene Terephthalate (PET) Bottles  
—*Vivek S., Abdul Razak. B.H. and Nikhil Khataavakar*
- S150–S156 Chitin Preparation and characterization from Chicken Bone  
—*Zahraa A. Abdul Muhsin, Ahmed Saad Aldhamin and Shafik S. Shafik*
- S157–S162 Assessment of chromium biosorption by Saw Dust from groundwater in Delhi Region  
—*Alka Srivastava, Yamini Saini and Manoj Chandra Garg*
- S163–S168 Effect of phosphorus levels and phosphate solubilizing bacteria on greengram (*Vigna radiata*) varieties under stone apple (*Aegle marmelos*) based agri-horti system  
—*D.K. Singh, J.S. Bohra, J.K. Singh, Y.V. Singh, S.P. Vishwakarma and Ajeet Singh*
- S169–S172 Impact of ascorbic acid on the concentration of Carotene and Prolin in the legume (*Vicia faba*) Plants grown with Soil treated with Pb and Ni  
—*Suzan Othman Omar Mame and Hussein Saber Mohammed Ali Al-Rashedy*
- S173–S177 A comparative and biochemical evaluations of Edible Parts of *Diplazium esculentum* (Retz.) SW. a Locally available Fern of Assam at Different Growing Stages  
—*Lakhya Jyoti Gogoi, Sristisri Upadhyaya, Mitali Baruah, Arunima Konwar, Manas Pratim Nath, Kamala Kanta Borah and Prativa Deka*
- S178–S187 Morphometric and meristic characteristics of climbing perch fish (*Anabas testudineus*) in the sub-population of peat sweat agroecosystem  
—*Helmizuryani, Rujito Agus Suwignyo, Zazili Hanafiah and Muhammad Faizal*
- S188–S190 Effectiveness of Root, Stem and leaves extracts of Meniran (*Phyllanthus niruri* L) on the Hatching rate of Tambaqui (*Colossoma macropomum*) EGGS  
—*Ni Kadek Puji Astuti, Maheno Sri Widodo and Agoes Soeprijanto*
- S191–S196 Deforestation in India: Snatching Away the Homes of Indigenous People  
—*Jinu Joseph and Shyni T. Alexander*
- S197–S203 Allometry and sediment characters of Mole Crab *Emerita emeritus* at South Java Beach, Indonesia  
—*Agus Hartoko, Irzani Hammzah Setya Rahmatuloh, Nurul Latifah, Bambang Sulardiono and Max Rudolf Muskananfolo*
- S204–S214 Metagenomics technique as new source for antimicrobial agent production  
—*Mohamed T. Shaaban, Reham M. Abdelhamid, Muhammad Zayed and Safaa M. Ali*
- S210–S217 Indigenous traditional knowledge (ITK) on seeds for agriculture sustainability in Kalyana, Karnataka region of India  
—*Umesh Hiremath, Basave Gowda, G.Y. Lokesh and B.S. Ganiger*
- S218–S225 Acute toxicity and effect of Flubendiamide (39.35% SC) on the oxygen consumption of the Fish, *Catla catla* (Hamilton)  
—*S.K. Parveen, K. Veeraiah, G. Vani and M. Vijaya Kumar*

- S226–S229 *In vitro* anthelmintic activity of medicinal plant *Tinospora cordifolia* extract on amphistome *Gastrothylax crumenifer*  
—Babita Jogpal, Gayatri Swarnakar, Hitendra Singh Chouhan and Kiran Roat
- S230–S232 Second Record of Alligator Gar *Atractosteus spatula* (Lacepède, 1803) (Teleostei, Lepisosteidae) in Java, Indonesia  
—Abdul Rahem Faqih, Septi Anitasari and Dian Samitra
- S233–S238 Amla (*Embllica officinalis*) and Guava (*Psidium guajava*) supplementation: Impact of Low Carbon footprint local seasonal fruits on Lipemic Status of Morning Walkers  
—Uma Iyer, Avani Shah and Shonima Venugopal
- S239–S252 Spatial Multi Criteria Analysis using Ecological and Socioeconomical Aspect to Propose the Buffer Zones of Sembilang National Park (SNP), Indonesia  
—Iwan A Ratmoko, Dedik Budianta, Elisa Wildayana, Moh. Rasyid Ridho, Zulkifli Idrus, Nuryamsasni and Adri Huda
- S253–S260 Effect of pre-sowing treatments using phytohormones and other dormancy breaking chemicals on seed germination of *Dioscorea deltoidea* Wall. Ex Griseb.: an Endangered Medicinal Plant Species of North Western Himalaya  
—Haleema Bano, Rauoof A. Rather, Javeed I. A. Bhat, Tariq A. Bhat, Humayun Azad, Shakeel A. Bhat, Fozia Hamid and M. Ashraf Bhat
- S261–S266 Genetic variability and correlation studies in olive (*Olea europea* L.) genotypes under mid hills conditions of Jammu and Kashmir, India  
—Amit Kumar, Nirmal Sharma, Angrej Ali, Pradeep Kumar Singh, Nowsheen Nazir and Aroosa Khalil
- S267–S271 Determination of Guaiacol in presence of monovalent inorganic salt and its assessment in *Citrus sinensis* leaves and *Citrus limon* peels  
—N.V.S. Venugopal, N. Swathi and P. Padmavathi
- S272–S275 Jaguar Cichlid, *Parachromis managuensis* (Günther, 1867) (Perciformes, Cichlidae): An Introduced Exotic Fish in Grati Lake, East Java, Indonesia  
—Sitti Khairul Bariyyah, Sahlan M. Saleh, Liga Insani, Novalina Serdiati and Fitri Sil Valen
- S276–S281 Residents' Perception Toward Conservation: A Case Study of Sunderbans Tiger Reserve, India  
—Ananya Ghosh, Parikshit Sharma and Pawan Gupta
- S282–S289 Challenges Faced by the Residents in the Garbage Dumping area of Salem Corporation  
—J. Sathya, R. Thiruppathi, J. Gayathri and M. Babu
- S290–S292 Variability on Skipjack Tuna (*Katsuwonus pelamis*) Fisheries in the FMA 715, Indonesia  
—Sepri, Agus Hartoko, Suradi Wijaya Saputra, Abdul Ghofar and Erick Nugraha
- S293–S297 Intensity and prevalence of parasites in Tilapia *Oreochromis niloticus* in freshwater aquaculture ponds in Karangploso, Malang Regency, East Java.  
—Ayu Winna Ramadhani and R. Adharyan Islamy
- S298–S302 Experimental study on high performance concrete using waste material  
—Sandeep P., Rishikanth R., Vidhya K., Shantharam Y. and Sudharsan N.
- S303–S307 Multitemporal Analysis of Coral Reef area using Sentinel 2a Image Data in Sabanjar Waters, Indonesia  
—Yupiter Nungnulang SONDY Kitarake, Agus Hartoko, Pujiono Wahyu Purnomo, Mesak Yamres Awang, Jahved Ferianto Maro and Veryl Hasan
- S308–S313 Investigation on Industrial by-products as a Highway Material for Sustainable Development  
—Arul S., Ranjith K., Vidhya K., Manishankar S. and Manirasu R.
- S314–S319 Toxic effect of Crude Alkaloid extract of *Citrullus colocynthis* against *Culex pipiens* (Diptera: Culicidae)  
—Maallh T. Al-Husseini, H.M.Al-Rubae and H. R. Al-Mousawi

- 
- 320–330 Diagnostic and Socio-economic Analysis of Bhimsagar Irrigation Scheme  
—*Jitendra Rajput, Ramnarayan Choudhary, Mahesh Kothari, Nadhir Al-Ansari, Dimple, Kishan Makadiya, Pradeep Kumar Singh, Nand Lal Kushwaha, Pradosh Kumar Paramguru, Ashish Rai and Lalita Rana*
- S331–S338 Determinant of rice farmers welfare in wetlands of South Sumatra Province, Indonesia  
—*Endang Lastinawati, Andy Mulyana, Imron Zahri and Sriati*
- S339–S350 Evaluation of water erosion by mapping and application of the PAP/RAC method in the Prerif of Ouazzane  
—*Fartas Najia, El fellah Bouchta, Mastere Mohamed, Benzougagh Brahim and El brahimi Mohammed*
- S351–S358 Legal reasoning, environmental movements and philanthropy in Muhammadiyah  
—*Isman, Absori, Kelik Wardiono, Rohfin Andria Gestanti and Elok Putri Nimasari*
- S359–S366 Contributions of Smallholder Farmers to Water Pollution in Selected Rivers and Streams in Lesotho  
—*Christopher Dick-Sagoe, Ernest Ngeh Tingum, Peter Asare-Nuamah and Anna Dankwaah Dick-Sagoe*
- S367–S374 Ecology, livelihood and Disease among the Fishing and Boating Communities: A case Study of Selected Villages of South Assam, India  
—*Suranjan Das*
- S375–S379 Physical Hazards among Shampoo Factory Workers at Ranya city, Iraqi Kurdistan Region  
—*Blend Barzan Ameen and Sanaa Hassan Abdulsahib*
- S380–S387 Eco-friendly Synthesis of Biologically Active Spiro Heterocycles  
—*Shailendra Yadav and Sushma Singh*
- S388–S395 Quorum Quenching a prospective target for plant pathogenesis  
—*Jasina, Anshul Phaugat, Sonia Goel, Mohinder Singh, Upasana Sarma and Sapna Grewal*
- S396–S402 Identification, purification and characterization of mercury resistant bacteria from Chlor-alkali industrial effluent  
—*Padhy, D.N. and Panigrahi, A.K.*
- S403–S419 Evaluation of morphometric parameters and prioritization of the Oued Joumouaa watershed  
—*Fartas Najia, El Fellah Bouchta, Mastere Mohamed and Benzougagh Brahim*
- S420–S431 Eco-toxicity and temperature stress studies of heavy metal contained Pulp and Paper Mill industrial effluent on cyanobacteria under laboratory controlled conditions  
—*Tripathy, A.P., Padhi, N., Dixit, P.K. and Panigrahi, A.K.*
- S432–S436 Applications of Deep learning and cross media intelligence for decision making in ecology model using hybrid expert system  
—*S. Balapriya and N. Srinivasan*
- S437–S442 Alkaline Hydrolysis of PET waste in presence of CTAB and (C<sub>16</sub>Mim) Br.  
—*Shital P. Kharwade, Vijendra Batra, Sushil Kapoor and Dilip B. Patil*
- S443–S449 Assessment of Land Use and Land Cover Change (1974-2018) Using Geospatial Techniques In Western Haryana Plains of Northern India  
—*Vinod Kumar and K. Nageswara Rao*