

Editorial

Inheritance of academic discourses is the objective of Heritage. Present issue is also a continuation of previous. Twelve papers were included in the Volume VII extending diverse research and reviews. In a detailed review by Prof. Krshna Roy on Osteoporosis, '*Osteoporosis at a glance: A General awareness of the Disease*' explained every aspects of the disease in a perfect amalgamation of recent concept and general awareness. Another review by Tania Upadhyay, Dr.Smita Ray and Dr.Sritama Mukherjee on rice research, '*Agronomic Advancement of Rice: A Review*' has showcased recent achievements in the field. Synthesis and characterization of luminescent materials for optoelectronic components and devices was reported in the paper '*Many facets of reactions of thiocyanate anions with bare and complexed copper (II) ions*' by Dr. Supriti Paul and Prof. Debashis Ray. Paper titled '*Avian diversity in pond ecosystems*' by Seemanti Chatterjee & Dr.Bhabani Shankar Joardar explained the complex network among living resources, habitats and nature. Next research paper titled '*Effect of sublethal doses of Cypermethrin on the haemocytes of Periplaneta americana (Dictyoptera: Blattidae)*' by Dr. Hiroj Kumar Saha & Romi Ghosh are reporting dose dependent toxicity of pesticides. Yearlong survey on Goat rumen flukes was reported in the paper '*Prevalence of Paramphistomosis in and around Santiniketan, Birbhum, West Bengal.*' by Dr. Sutapa Datta. Agro-economic prospect of shrimp culture was reflected through the paper titled '*Shrimp cultivation and the prospect of household earnings in a village of Sunderban*' by Karabi Mahato and Dr. Adrita Chakrabarti.

Air-breathing teleosts of the Indian subcontinent are unique among freshwater teleosts in having a very active urea cycle, the capacity to switch from ammoniotelism to ureotelism under hyperammonia stress and during exposure to air, they have the capacity to tolerate very high ambient ammonia. '*Change in activity of Ornithine-Urea cycle enzymes in Channa punctatus under hyperammonia stress*'.by Paramaa Raha confirmed that *C. punctatus* is capable of stimulating ureogenesis, by inducing the already existing functional urea cycle both in hepatic as well as some non-hepatic tissues, thus turning from ammoniotelism to ureotelism as one of the major physiological strategies to avoid the accumulation of toxic ammonia to a lethal level. Glutamate synthetase located in the astrocyte, usually detoxify ammonia through binding with glutamate to glutamine. During elevated expression of glutamate synthetase, astrocyte undergoes morphological changes initiating astrocyte swelling. Another paper by Piyali Roy Chaudhury, Parama Raha and Samiran Ghosh, titled '*Ammonia induced Astrocyte swelling in C. punctatus*' reporting the histological evidence of ammonia induced astrocyte swelling..

In the Social Science and Humanities section, we have three papers from different disciplines. Article by Amrita Bagchi on '*The Developmental Phase of Private Health Care Sector: History of Nursing Homes in the Early Years after Independence in Kolkata.*' discusses the emergence and role of private health care sector (nursing homes) in a newly independent city. Small nursing homes played a dominant role in providing inpatient care to a large section of population in the pre globalized age which witnessed the corporatization of health care services. The next paper is an interesting one from the discipline of Library Science, titled '*Preparation of a bibliography on and by Pandit Iswar Chandra Vidyasagar: an informetric analysis*' by Partha Chattopadhyay. The year 2019 was the 200 years of birth anniversary of Pandit Iswar Chandra Vidyasagar. The author makes an attempt to create a bibliography on Vidyasagar touching every aspects of his life. The paper titled '*A Comprehensive Study of Lux Soaps in India: Negotiating Gender and Advertisements.*' by Sarita Mal highlights the challenging role of advertisement industry in media. The paper throws light on the notion of gender and how it is intertwined with the mythical concept of beauty which is being now shaped by the advertisements.

Continuous nurturing by our Principal, Prof Krishna Roy only makes this endeavor successful. We are thankful to all Reviewers for their sincere contribution during peering. We also convey best wishes to all contributors. We would also like to thank the journal committee members for their unstinted efforts.

Amrita Bagchi,

Samiran Ghosh