

ONE DAY WORKSHOP ORGANIZED BY BOTANY DEPARTMENT, VIC

One day workshop was successfully completed on the topic 'PLANT SYSTEMATICS AND BIODIVERSITY' by Botany Department in collaboration with IQAC, Victoria Institution (College), Kolkata on 06.10.2023. The speaker Dr. A.P. Das, Adjunct Professor, Rajiv Gandhi University, Arunachal Pradesh delivered lecture on the Biodiversity and Conservation as well as demonstrate practical skills on the plant systematic using BENGAL PLANTS, Volume I and II with collected flowering angiospermic plant specimens viz., *Leonurus sibiricus* (Labiatae), *Coccinia grandis* (Cucurbitaceae), *Oldenlandia corymbosa* (Rubiaceae), *Leucas aspera* (Labiatae), *Physalis angulata* (Solanaceae), *Solanum nigrum* (Solanaceae), *Lindenbergia indica* (Scrophulariaceae), *Sida acuta* (Malvaceae), *Urena lobata* (Malvaceae), *Urena sinuata* (Malvaceae) etc. at Botany Laboratory. Broad discussion made with students on nomenclature of taxon, type specimens, role and principals of ICN, artificial keys and their uses, classifications like the artificial system of Linnaeus, the Natural system of Bentham and Hooker and the Phylogenetic system of Hutchinson. Further, panel discussion occurred with departmental staffs and students regarding the practices and application of morphological and molecular taxonomy. Generally, plant systematics provides ample skills for teaching and learning about facts and figures available in nature, random and selective field survey, collection, identification, variation, evolutionary affinities, classification of taxonomic groups, documentation, and enumeration of plant species of certain geographical regions. Further biodiversity and conservation are very important for the survival of all kinds of organisms, like microbes, plants, and animals. Our basic needs are obtained from biodiversity and natural resources like fuel, food, water, soil, timber and medicinal and aromatic plants. Biodiversity and conservation are very vital issues for living organisms, including humans, to maintain balance in an entire ecosystem. *in situ* conservation is urgently necessary for those organisms that are available in rare, threatened, and endangered status on the earth.

PHOTO PLATES OF WORKSHOP SESSION



Dr. A.P Das demonstrating the students in Botany Laboratory



Dr. A. P. Das along with the faculties of the Botany Department