

Departmental Activities by Department of Botany

PROJECT (ongoing)	
<p>Title: ‘Green Manure Production Unit at T.H.K Jain College Campus’</p>	<p>– A Project for the production of Bio-compost from daily Garden and Kitchen waste funded by T.H.K Jain College Governing Body</p> <p>Application:</p> <ul style="list-style-type: none"> • To avoid pollution and dumping on land of the daily garden waste, dry leaves, kitchen waste etc. • To recycle the waste for production of bio-compost to be used in gardening- a step towards sustainability and zero-waste generation.
EXCURSIONS:	
<p>Sundarbans (24th to 27th March, 2022)</p>	<p>Sunderban biosphere reserve, a UNESCO heritage site. Students went to study the mangrove vegetation, the species richness and diversity; cultivation and processing of economically important crops, and ethnobotanical aspects of the region. They collected soil samples from different sites for chemical analysis. Water samples were collected for TDS, TSS and TS determination and the content of Dissolved Oxygen (DO) and Carbon dioxide was determined by the students on-site.   Sunderban excursion,2022</p>
<p>Chalsa, Doors (16th to 22nd March, 2020)</p>	<p>Doors is on the foothills of the Himalayas. Students went to study the community, biodiversity, vegetation, and ecological parameters of the region. The students were also taken to a tea estate to learn about the cultivation and processing of CTC tea.  https://www.youtube.com/watch?v=Yy7mJv5cQEo</p>
<p>Lava-Lolegaon-Rishop (15th to 20th March 2019)</p>	<p>To study plant biodiversity of angiospermic plants along with diversity of gymnosperms, pteridophytes and bryophytes in their natural habitats</p>
<p>Bandipur, Khardah (28th August 2019, 2nd August 2018)</p>	<p>To study vegetation rich in cryptogams like algae, fungi, bryophyte and pteridophytes in natural habitat.</p>
<p>Indian Botanic Garden, Shibpur, Howrah</p>	<p>Students were taken to Acharya Jagadish Chandra Bose Indian Botanic Garden every year to study various rare and exotic plants, economically important plants and many other plants of botanical curiosity. They visit Charak Udyan, the large Palm house, Cactus House, Nursery garden, the Central National Herbarium and the Department of Ethnobotany.</p>
HANDS ON TRAINING PROGRAM	
<p>Cytology Slide Preparation (6th May, 2022)</p>	<p>An interdepartmental program attended by 73 students and 4 faculty members of Department of Microbiology and Zoology. All were given pre-treated fixed samples. They prepared permanent slides to study different meiotic stages and chromosome morphology under the guidance of Dr. Sourav Bose and Dr. Anindita Singha Roy.</p>
<p>Mushroom Cultivation (26th February, 2020)</p>	<p>Dr. Samir Ranjan Sikdar, ex-Senior Professor, Bose Institute guided our students about Mushroom bed preparation, Method of spawn inoculation and preparation, Spawn distribution, Mushroom culture maintenance, Methods of harvest and storage. At the end of the programme, 20 spawn and 5 mushroom beds were prepared by the students.   Mushroom cultivation Training</p>

<p>Palynology (17th September 2019)</p>	<p>Dr. Nimai Barui, (Former Associate Professor, Surendranath College), delivered a lecture on 'Palynology and Its Implications' and guided the students to prepare different chemicals for processing of pollens, isolate pollens from various specimens and prepare different types of palynology slides.</p>
<p>WEBINARS, SEMINARS AND STUDENTS' COMPETITION</p>	
<p>Biodiversity Day (22nd May 2022)</p>	<p>Special Lecture Session and Student Seminar Competition on 23rd May, 2022:A lecture session on 'Sundarbans: Adaptations Of Mangrove Plants In The Saline Environment' by Dr. Sauren Das, (Retired Scientist, Agricultural & Ecological Research Unit, Indian Statistical Institute), followed by a Student Seminar Competition. All the participants were provided with gold plated medals and the students securing 1st, 2nd and 3rd position were awarded a trophy each. 📺 https://youtu.be/xkXkQXFtWJ0</p>
<p>World Environment Day (5th June)</p>	<p>2021: Webinar & Inter College Poster Competition: A lecture session on "Ecological Restoration- Perspectives of Water Resource Management" by invited speaker, Dr. Priya Banerjee, (Assistant Professor, Environmental Studies, CDOE, Rabindra Bharati University), followed by an Inter College Poster Competition with the theme for poster "Ecological Restoration - Reimagine Recreate Restore". 750 students participated, all were provided with e-Certificates. Total of 83 posters were shortlisted for the competition. Winners were presented with special awards. 📺 WEBINAR and INTER-COLLEGE POSTER COMPETITION, World Environme...</p> <p>2020: Webinar: Webinar on "Environmental Disasters and Biodiversity Conservation" in collaboration with NSS, THK Jain College. Delegates for the program were:Dr. Prabir Ranjan Sur; Retired Scientist, Botanical Survey of India and Mr. Kunal Chatterjee, Secretary, NSS Alumni Association. 📺 https://www.youtube.com/watch?v=pUuhXBpmoeE</p>
<p>Online Student Seminar Competition (27th August, 2020)</p>	<p>The department organised the online seminar competition in collaboration with IQAC of the College. Dr. Suman Datta, Assistant Professor, Department of Botany, Serampore College was invited as the honourable judge. Every student got their participation e- certificate and the students securing 1st, 2nd and 3rd position were stimulated with a token of appreciation. 📺 https://youtu.be/VgFrnj24wqU</p>
<p>Online Lecture Series: Virtual Journey To Botanical World, (12th to 15th August 2020)</p>	<p>Lecture series was organized in collaboration with IQAC of the College. A huge response was received not only from our state or our country but also from different countries like the Philippines, Egypt, Indonesia, Australia, Ethiopia, Malaysia, Thailand, Romania, Armenia, Oman, Bhutan, China, Nepal and Pakistan. About 1200 participants registered for the program. Everyday there were more than three thousand views on the live streaming of the programme through the college YouTube channel. Delegates for the programme were: 📺 'VIRTUAL JOURNEY THROUGH BOTANICAL WORLD' - Day 1 Dr Neera Sen Sarkar [Assistant Professor, Department of Botany, University of Kalyani] 📺 'VIRTUAL JOURNEY THROUGH BOTANICAL WORLD' - Day 2 Dr Basant Kumar Singh [Botanical Assistant, Botanical Survey of India, AJCBIBG] 📺 'VIRTUAL JOURNEY THROUGH BOTANICAL WORLD' - Day 3 Dr Ashim Kumar Ghosh [Retired Associate Professor of Botany, City College, Kolkata] 📺 'VIRTUAL JOURNEY THROUGH BOTANICAL WORLD' - Day 4 Dr Gaurab Gangopadhyay [Professor, Division of Plant Biology, Bose Institute, Kolkata]</p>