

Seminar Report

One day state level seminar

Title: “Chemistry Behind Phytochemicals used as Herbal Medicine for Treatment of Diseases of Human Being (Series: 4)”

Date: January 03, 2023; Venue: Seminar Hall, Sarojini Naidu College for Women

A State Level Seminar on “**Chemistry Behind Phytochemicals used as Herbal Medicine for Treatment of Diseases of Human Being (Series: 4)**” was organized by the Departments of Chemistry and Botany with the IQAC of Sarojini Naidu College for Women, West Bengal, and the Department of Chemistry of The Bhawanipur Education Society College, West Bengal, on January 03, 2023. This seminar was sponsored by Royal Society of Chemistry, London. Dr. Samir Kanti Datta, Dean of Science, The Bhawanipur Education Society College was the coordinator of this Seminar. Dr. Jharna Barman Nandi, Assistant Professor, Department of Chemistry, Dr. Namrata Shanu Gupta, Assistant Professor, Department of Botany of Sarojini Naidu College and Professor Anup Kumar Sikdar, Research Advisor of The Bhawanipur Education Society College were the joint coordinators.

The programme started with the welcome address by Dr. Urmila Ukil, the Principal of Sarojini Naidu College for Women, followed by inaugural address by Dr. Samir Kanti Datta. There were two technical sessions. The first session was chaired by Dr. Samir Kumar Datta of The Bhawanipur Education Society College. Professor Alakesh Bisai, Department of Chemical Science, Indian Institute of Science Education and Research, Mohanpur, West Bengal was the invited speaker of the first session. He delivered a lecture on chemical synthesis of natural-products-driven drug molecules. Well-renowned in the field of natural product synthesis, Professor Bisai explained how the phytochemicals inspire the modern-day drug designing against various diseases, including cancer. In a very lucid and interesting lecture he also explained the importance of nature-identical drug molecules over the human-made ones as the human-made drugs may pose serious side effects.

The second technical session was chaired by Professor Anup Kumar Sikdar of The Bhawanipur Education Society College. Renowned Biologist Dr. Abhijit Dey of Department of Biological Science, Presidency University, Kolkata was invited for delivering a lecture in

this session. In a very comprehensive lecture, he shed light on how the biotic and abiotic stress changes the compositions of phytochemicals in plants. He also emphasized on how knowledge of medicinal values of rare different plants, sometimes from very remote places and from harsh-environmental conditions are needed to be disseminated.

Question-answer sessions were conducted at the end of each technical sessions. More than 60 participants were present in this offline seminar, including students and teachers from our college as well as other colleges. From the active and enthusiastic participations from the audience it can be said in the conclusion that the seminar was very successful.

Some photos of the seminar are attached below.



