

One-day seminar

on

**CHEMISTRY BEHIND**

**PHYTOCHEMICALS AND THEIR**

**MEDICINAL IMPORTANCE IN CURING**

**VARIOUS DISEASES OF HUMAN**

**BEING (Series: VI)**

on **3rd March, 2023**

Organized by

**Department of Biochemistry, West  
Bengal State University, Barasat, North  
24 Parganas**

**Department of Chemistry, The  
Bhawanipur Education Society College,  
Kolkata, India**

Sponsored by

**Inclusion and Diversity Fund, Royal  
Society of Chemistry, London**

In Collaboration with Indian Chemical  
Society, Kolkata, India

**Time - 1 PM - 4.30 PM,**

**Venue - Room No- 318, Academic  
building, West Bengal State University**



Chief patron

**Prof. Mahua Das, Honourable Vice-Chancellor,  
West Bengal State University**



Chief Guest- **Prof. Shyamalendu Mukherjee,  
Director, WBSMPB**

Director, ISM Drug control

**Professor, J. B. Roy State Ayurvedic Medical  
College and Hospital**

Advisory member

**Prof. Sutapa Chatterjee Sarkar, Director,  
IQAC**

**Program schedule**

**1-1.15 PM- Inaugural address by**

**Honourable Vice-Chancellor**

**1.15-1.30 PM- Keynote address by**

**Honourable Chief Guest**

**1.30-2.30 PM- Lecture 1**

**2.30-3.30 PM- Lecture 2**

**3.30-3.45 PM- Valedictory session**

## Distinguished Speakers

Lecture 1

**Dr. Archana Banerjee, Former  
Head of Department of Botany,  
Surendranath College Kolkata.**

**Topic: Antioxidant Phytochemicals  
of some plants used as Food and  
Medicine by Santhals in West  
Bengal.**

Lecture 2

**Dr. Deepak Kumar  
Scientist, Organic and Medicinal  
Chemistry Division, CSIR- IICB,  
Kolkata**

**Topic- Transformation of  
traditional medicines to  
phytopharmaceutical drugs: Indian  
perspectives**

Registration link is given below

<https://forms.gle/K6625gzFT1hKZyh2>

Registered candidates will receive  
certificate



ONE-DAY SEMINAR ON “**CHEMISTRY BEHIND PHYTOCHEMICALS AND THEIR MEDICINAL IMPORTANCE IN CURING VARIOUS DISEASES OF HUMAN BEING** “(Series: VI)

Organized by

- Department of Bio Chemistry, West Bengal State University, Barasat, North 24 Parganas
- Department of Chemistry, The Bhawanipur Education Society College, Kolkata, India

*Sponsored by*

*Inclusion and Diversity Fund, Royal Society of Chemistry, London*

In Collaboration with Indian Chemical Society, Kolkata, India

**Distinguished Speakers**

1. Dr. Archana Banerjee, Former Head of Department of Botany, Surendranath College Kolkata.

**Topic:** Antioxidant Phytochemicals of some plants used as Food and Medicine by Santhals in West Bengal.

2. Dr. Deepak Kumar, Scientist, Organic and medicinal Chemistry Division, CSIR-IICB, Kolkata

**Topic:** Transformation of traditional medicines to phytopharmaceutical drugs: Indian perspectives

**Coordinator:**

Dr. Samir Kanti Datta, Member of Royal Society of Chemistry, London

Dean of Science, The Bhawanipur Education Society College, Kolkata

**Joint Coordinators:**

1. Dr. Madhurima Chakraborty, Assistant Professor, Department of Bio Chemistry, WBSU

2. Prof. Sutapa Chatterjee Sarkar. Director, IQAC, WBSU

3. Prof. (Dr) Anup Kumar Sikdar Research Advisor, The Bhawanipur Education Society College, Kolkata

**Date:** 3<sup>rd</sup> March, 2023 **Time:** 1.00 pm to 4:30 pm **Venue:** Seminar Hall (Room No. 318)

Registration link is given below <https://forms.gle/Kg6925gzFT1hKZyh9>

## SEMINAR REPORT

The Department of Biochemistry, West Bengal State University, Barasat, North 24 Parganas, in collaboration with Department of Chemistry, The Bhawanipur Education Society College, Kolkata, India and *sponsored by Inclusion and Diversity Fund, Royal Society of Chemistry, London* in collaboration with Indian Chemical Society, Kolkata, India has successfully organized a One-Day Seminar on “**CHEMISTRY BEHIND PHYTOCHEMICALS AND THEIR MEDICINAL IMPORTANCE IN CURING VARIOUS DISEASES OF HUMAN BEING**“(Series: VI).

There were more than 50 participants in the seminar. The participants included students and Faculty members of different Departments of West Bengal State University.

1. Firstly, Prof. Sutapa Chatterjee Sarkar, Director, IQAC, West Bengal State University was invited by Dr. Madhurima Chakraborty, Coordinator and Assistant Professor, Department of Biochemistry, West Bengal State University and Joint coordinator of the seminar on behalf of the organizing committee to deliver the welcome address.



2. Prof. Sutapa Chatterjee Sarkar, Director, IQAC, delivered the welcome address.

She courteously mentioned that learning can never be confined within a place, or to a particular period of time, or among a specific people. It propagates and perpetuates itself, fuelled by thoughts and discussions. The Director, IQAC also stated that this gathering can serve as the intellectual stimulus for cultivation of work that has been grown in the past, as well as germination of ideas that will bloom in the future.



3. After delivering the welcome address Prof. Sutapa Chatterjee Sarkar, Director, IQAC, felicitated The Honorable Vice Chancellor Prof. Mahua Das and cordially invited our Honorable Vice Chancellor, to deliver the inaugural address.



4. The Honourable Vice Chancellor congratulated the Department of Biochemistry, West Bengal State University and Department of Chemistry, The Bhawanipur Education Society College, Kolkata, India for organizing the seminar and *Royal Society of Chemistry, London* and *Indian Chemical Society, Kolkata, India* for sponsoring the seminar. The Honourable Vice Chancellor also mentioned that she is pleased to see that the organizers have ventured to deliberate in such a subject which has some historical interest and at the same time has contemporary relevance from both traditional as well as Modern Sciences. The Honourable Vice Chancellor concluded her informative and enriching speech by stating that Ayurveda practices are still now very effective methods of treatment if applied properly and knowledgeably.



5. Then Prof. Mukut Chakraborty, Professor, Department of Chemistry, West Bengal State University was felicitated by Dr. Tanaya Das, Assistant Professor, Department of Biochemistry, West Bengal State University following which he introduced and requested our Honorable Chief Guest to deliver the keynote address in online mode.

It was a matter of great honour to have with us Prof. (Dr) Shyamalendu Mukhopadhyay, Director, Directorate of ISM Drugs Control & W.B. State Medicinal Plant Board. Govt of W.B. as Honorable Chief Guest and his valuable speech in online mode was very informative.

The Honorable Chief guest shared his observation that every natural product has some unique combination, which cannot be explained by the help of our science, hence believed that these are Gift of God. He concluded his illuminating speech by conveying his greetings to the kind authorities and the entire team of Department of Biochemistry, West Bengal State University, for outstanding performance in respect of organizing such type of relevant discussion. He further conveyed his best wishes for the program to be grand success and stated to continue to extend all necessary supports in the days ahead.



6. Then members of Royal Society of Chemistry, London were felicitated. Dr. Samir Kanti Datta, Member of Royal Society of Chemistry, London Dean of Science, The Bhawanipur Education Society College, Kolkata was felicitated by Dr. Tanaya Das, Assistant Professor, Department of Biochemistry, West Bengal State University. Prof. (Dr) Anup Kumar Sikdar, Research Advisor, The Bhawanipur Education Society College, Kolkata was felicitated by Ms. Mitali Manna, Assistant Professor, Department of Biochemistry, West Bengal State University.



7. Then Dr. Samir Kanti Datta, Member of Royal Society of Chemistry, London Dean of Science, The Bhawanipur Education Society College, Kolkata was invited to deliver his speech. Dr. Datta, illustrated about the Inclusion and Diversity Fund, from Royal Society of Chemistry, London. Also, the thoughts and intentions to organize the collaborative seminar series were vividly elucidated by Dr. Samir Kanti Datta.



8. Then the Distinguished Speakers were introduced by Dr. Madhurima Chakraborty, Coordinator and Assistant Professor, Department of Biochemistry, West Bengal State University and Joint coordinator of the seminar and felicitated by Dr. Tanaya Das Assistant Professor, Department of Biochemistry and Ms. Mitali Manna, Assistant Professor, Department of Biochemistry.

The first speaker of the seminar was Dr. Deepak Kumar, Scientist, Organic and medicinal Chemistry Division, CSIR-IICB, Kolkata

Dr. Kumar completed his B. Pharm from Rajasthan University of Health Sciences, Jaipur, MS Pharm (Natural Products) from NIPER Kolkata and PhD and Ph.D. (Natural Products) from Jadavpur University, Kolkata, Industrial experience. He also has industrial experience in multinational R&D (4 years). He worked as Scientist at CSIR-North East Institute of Science and Technology, Jorhat (2017-2018) and presently working as a Scientist at CSIR-Indian Institute of Chemical Biology, Kolkata since 2018. He has many publications in international journals of repute and 2 patents. His research area includes isolation and characterization of bioactive natural products from medicinal plants towards the development of Phytopharmaceutical drugs against Parkinson's disease and cancer. He has ongoing projects from - AYUSH, CSIR, IICB, and NBA. He delivered a very informative lecture on the Topic: Transformation of traditional medicines to phytopharmaceutical drugs: Indian perspectives. Students interacted with him during the question/answer session.



9. The second speaker of the seminar was Dr. Archana Banerjee, Former Head of Department of Botany, Surendranath College Kolkata.

Dr. Archana Banerjee is the Retired Head and Associate Professor in Botany, Surendranath College, Calcutta University. She has published many journals and books of international repute. She has huge knowledge regarding the natural flora of the land of Santhals, the antioxidant properties of seasonal fruits and vegetables. She delivered a very informative and enlightening lecture on the Topic: Antioxidant Phytochemicals of some plants used as Food and Medicine by Santhals in West Bengal. Many students and faculty members interacted with the speaker during the question/answer session.



10. Dr. Sushanta Banerjee, University Librarian, was felicitated by Dr. Tanaya Das, Assistant Professor, Department of Biochemistry, West Bengal State University



11. Mr. Ashoke Mukherjee, OSD admin was felicitated by Ms. Mitali Manna, Assistant Professor, Department of Biochemistry, West Bengal State University.



12. Prof. Sankarasis Mukherjee, Professor and Head, Department of Food and Nutrition was felicitated by Dr. Tanaya Das, Assistant Professor, Department of Biochemistry, West Bengal State University



13. **Valedictory address-** The seminar was concluded by deliberation of valedictory address by Dr. Madhurima Chakraborty, Coordinator and Assistant Professor, Department of Biochemistry, West Bengal State University and Joint coordinator of the seminar on behalf of the organizing committee.

Sincere gratitude and warm regards were conveyed to Honorable Vice-Chancellor, Prof. Mahua Das for her immense guidance and encouragement to conduct the seminar.

Special thanks were given to the Honourable Chief guest for giving his valuable time to grace the seminar virtually.

Heartfelt gratitude was passed on to Prof. Sutapa Chatterjee Sarkar, Director, IQAC, for her enormous support to conduct the seminar.

Earnest gratitude were given to Prof. (Dr) Anup Kumar Sikdar, Research Advisor, The Bhawanipur Education Society College, Kolkata for initiating the discussion for arranging the collaborative seminar.

Special thanks were expressed to Dr. Samir Kanti Datta, Member of Royal Society of Chemistry, London for his help to organize the seminar.

Special thanks were given to colleagues of the university for their help.

Whole-hearted thanks were conveyed to the students of our department who helped us a lot to conduct the seminar.

Cordial thanks were given to all the participants for the patient participation.

