



# International Seminar

## Emerging Trends in Science and Sustainability

February 12, 2025



### *Organized By*

Department of Molecular Biology & Biotechnology,  
Department of Chemistry and IQAC,  
Sripat Singh College (SSC), Jiaganj,  
Murshidabad, West Bengal, India

<https://www.sripatsinghcollege.edu.in/>

### *In Collaboration With*

Indian Photobiology Society (IPS),  
Jadavpur University Campus,  
Jadavpur, Kolkata,  
West Bengal, India

<https://ipbsindia.in/>

### *Chief Patron*

Mrs. Shaoni Singha Roy, President, GB, SSC

### *Conveners*

Ms. Debjani Mandal, Asst. Professor, SSC

Dr. Raja Ghosh, Asst. Professor, SSC

### *Joint Convener*

Dr. Gourisankar Roymahapatra,  
Assoc. Professor, HIT & Treasurer, IPS

### *Resource Persons*

- Prof. Chittaranjan Sinha, Professor, Jadavpur University, West Bengal, India
- Prof. Anirban Misra, Professor, University of North Bengal, West Bengal, India
- Dr. Tanmoy Paul, Scientist, Research Institute for Sustainable Energy, India
- Dr. Jishnu Adhikary, Scientist, Tetra Tech, Mall Boulevard, King of Prussia, PA, USA
- Dr. Avik Kumar Bagdi, Asst. Professor, University of Kalyani, West Bengal, India

### *Patrons*

Prof. Chittaranjan Sinha, Professor,  
Jadavpur University & Secretary, IPS  
Dr. Kamal Krishna Sarkar, Principal, SSC

### *Organizing Secretaries*

Dr. Abhishek Basu, Asst. Professor, SSC  
Dr. Amit Kr. Kundu, Asst. Professor, SSC  
Dr. Md Habib, Asst. Professor, SSC  
Mrs. Sayantani Basu, SACT, SSC

**Venue: Rabindra Sabhakaksha, Sripat Singh College, Jiaganj, Murshidabad**

## Objectives of the Seminar

- Inspire researchers, policy makers, industrialists, etc. to start new projects, strategies, best practices and innovation.
- Explore innovative approaches in scientific research that address contemporary challenges and contribute to achieve the Sustainable Development Goals (SDGs).
- Collaborate and exchange knowledge at the international level to identify, discuss and troubleshoot issues across a range of disciplines and sectors
- Align the discussions and outcomes of the seminar with broader vision of India's development.

## Who Should Attend

This seminar welcomes researchers, academicians, policymakers, environmentalists, industrialists, medical professionals, students, NGO personnel and anyone interested in the environmental issues, challenges and solutions for sustainable development. The seminar also welcomes researchers, students, faculty members and others interested to explore the role of basic, advanced and applied science for societal development and welfare.

## Sub-Themes

- Sustainable Natural Resource Management
- Waste to Energy Solution
- E-waste Management & Electronics Recycling
- Sustainable Solutions in Health, Agriculture, Food, Lifestyle and Livelihood
- Artificial Intelligence in Science & Sustainability
- Sustainable Biodiversity Conservation and Socio-economic Development
- Innovative Solution for Smart Cities
- Sustainable Solution for Climate Change, Natural and Man-made Disaster, and Environmental Pollution
- Good Governance and Policy Frameworks
- Clinical Chemistry & Molecular Diagnostics
- Green Chemistry and Engineering
- Quantum and Computational Chemistry
- Biomass utilization, Bioenergy, Biomaterials
- Chemical Sciences for Industrial and Economic Sustainability
- Physics for Sustainable Development
- Nanotechnology and Material Sciences
- Atomic and Molecular Physics, Condensed Matter Physics
- Biophysics, Astrophysics, Nuclear Physics
- Bioscience and Biotechnology

## Important Dates

Abstract & Full Paper Submission Starts	January 20, 2025
Abstract Submission Ends	February 06, 2025
Abstract Acceptance Notification	February 07, 2025
Full Paper Submission Ends	February 11, 2025
Registration Starts	January 20, 2025
Registration Ends	February 09, 2025
Date of the Seminar	February 12, 2025

Participants are invited to submit abstracts for oral/poster presentation. Abstract must be submitted to [abstractbiotechchem@gmail.com](mailto:abstractbiotechchem@gmail.com) according to guidelines given below.

**Strictly adhere to the given abstract template:**  
<https://docs.google.com/document/d/1xIPJ00kVGLjFXkpkqKqEs1MfHXvPxLo0AI9UMAoSJto/edit?usp=sharing>

Poster Size for presentation : L-4 ft & W-2.5 ft

Oral Presentation: 8 min Presentation, 2 min Discussion

### Conference Highlights

- Best poster and oral presentation will be awarded
- Post conference publication of full paper in book with ISBN, after rigorous review process (details to be announced later)

**Registration Details:** Participants are advised to complete their online registration process after depositing the registration fee.

Registration fee	National	International
Scientist/Academician/ Faculty/Corporate	Rs. 500	\$30
Research Scholar	Rs. 300	\$20
Student(UG/PG)	Rs. 150	\$10
Accompanying Person	Rs. 300	\$15

**Click here for Registration**

<https://forms.gle/sCnVGNjklUtVYc6DA>

Scan To Pay



vpa : princ94774695@barodampay

**Payment Mode:** Online/NEFT/PhonePe/Google Pay

Name of Account Holder: Principal Sripat Singh College

Bank Name: Bank of Baroda

Branch Name and Code: Jiaganj, JIAGAN

Account Number: 52560100000695

RTGS/NEFT IFSC Code: BARB0JIAGAN (5th character is zero)

# General Information

## About Sripat Singh College

Legendary Jamindar Sripat Singh Dugar ji founded this college in 1949 with a view to spread higher education in the backward district of Murshidabad. Started as a unit under Calcutta University, the college is presently affiliated to the University of Kalyani. Sripat Singh College caters to the need of UG students of science & humanities and PG students of Bengali. The college has emerged as a centre of excellence in learning and research activities during its journey of 75 years. Department of Molecular Biology & Biotechnology and Department of Chemistry of this college received infrastructural grants (under BOOST and FIST Scheme) and research grants from WBDST to construct well equipped labs and carry out research activities. The students of these departments have secured positions in nationally and internationally acclaimed institutions.

## About Indian Photobiology Society

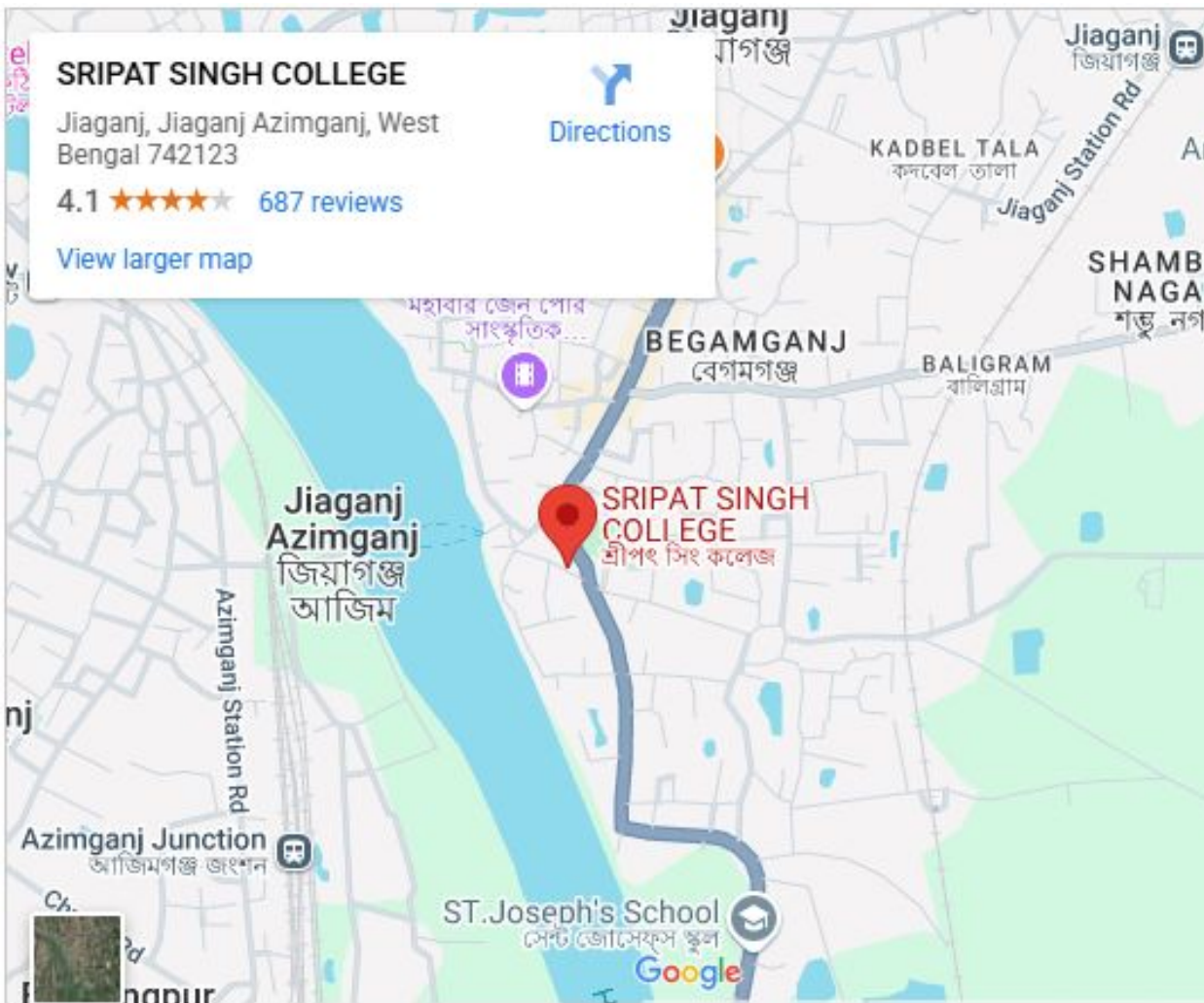
The Indian Photobiology Society (IPS) was initiated in 1964 as the Indian Photobiology Group and registered in 1970 in its present name. The founder Secretary of IPS was Prof. K. K. Rohatgi-Mukherjee. IPS celebrated its Diamond Jubilee (60th anniversary) in January 2023 through various scientific activities like students' competitions, popularisation of science through seminars, conferences in different colleges and higher learning institutes, etc. The Society follows the common guideline of the scientific organization by promoting research integrity, convening conferences, and seminars, and publishing research-related newsletters, books or journals, etc. For fostering responsible research practices the Executive Council has started Monthly 'IPS Science Talk' that was inaugurated by Prof. Nitin Chattopadhyay, President, IPS.

## How To Reach

The College is located close to two main railway stations-Jiaganj Station (JIG) (on Sealdah-Lalgola main line) and Azimganj Junction (AZ) (on Howrah-Dibrugarh main line). Additionally, the college campus is 205 km away from Dum Dum Airport.

### Location of the College

<https://maps.app.goo.gl/JhNtybAEzJUgMuWj9>



### Few Hotels in Lalbagh

- New Motijheel Guest House
- Hotel Hazarduari
- Hotel Manjusha
- Jalchabi Hotel and Resort
- The Fame Hotel
- Hotel Sunshine
- Hotel Samrat
- Hotel Sagnik
- Hotel Indrajit

For travel related query please contact:

Dr. Abhishek Basu (9432994062)

Dr. Raja Ghosh (7679621992)

Note: TA/DA shall not be provided for attending the seminar.

# Organizing Committee

## Conveners

1. Ms. Debjani Mandal, SSC
2. Dr. Raja Ghosh, SSC

## Joint Convener

Dr. Gourisankar Roymahapatra

## Organizing Secretaries

1. Dr. Abhishek Basu, SSC
2. Dr. Amit Kr. Kundu, SSC
3. Dr. Md Habib, SSC
4. Mrs. Sayantani Basu, SSC

## Treasurers

1. Dr. Bibhas Bhattacharyya, SSC
2. Mrs. Manali Biswas, SSC
3. Mr. Manirul Mandal, SSC

## Members

1. Prof. Swati De, KU, Nadia
2. Prof. Pradipta Purkayastha, IISER, Kolkata
3. Dr. Rajesh Das, Principal, Nur Mahammad Smriti Mahavidyalaya
4. Dr. Mrittika Mohar, SSC
5. Mr. Abu Raihan, SSC
6. Mrs. Ranu Singha, SSC
7. Mr. Md. Samirul Islam, SSC
8. Mr. Falguni Singha, SSC

# Advisory Committee

1. Prof. Ashok Kumar Mishra, President, IPS
2. Prof. Nitin Chattopadhyay, President & Chairman, IPS
3. Prof. Samita Basu, Ex-SINP, Kolkata
4. Prof. Alakesh Bisai, IISER, Kolkata
5. Dr. Bama Prasad Bag, IMMT, Bhubaneswar
6. Dr. Abdul Kader Ahammed, SSC
7. Dr. Himadri Guhathakurta, Bursar, SSC
8. Dr. Sagar Simlandy, IQAC Coordinator, SSC
9. Dr. Mitali Tikadar, TCS, SSC
10. Mr. Shaswata Chakraborty, SSC

## Some of the Heritage sites of Murshidabad District



Hazarduari Palace & Museum



Katra Masjid



Shree Kiriteswari Shaktipeeth Temple



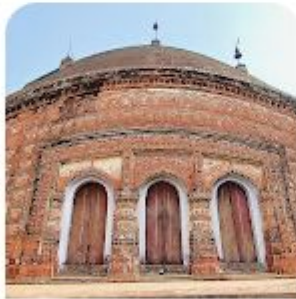
Nizamat Imambara



Imambara Garden



Tomb Of Azimunnisa Begum



Char Bangla Temple



Khosbag Garden



Jafraganj Cemetery (1100...



Motijheel Park



Jahan Kosha Cannon



Kathgola



Fauti Masjid



Yellow Mosque



House of Jagat Seth

*The proper use of science is not to conquer nature but to live  
in it.*

*-Barry Commoner*