



# IPS NEWSLETTER

*No. 55, June 2023*

<https://ipbsindia.in>

## EDITORIAL

It gives us great pleasure to re-launch the IPS Newsletter in a new e-format after a gap of several years since the last publication. The previous versions of the Newsletter were circulated as hard copies and consisted of a compilation of scientific articles and reports on the activities of the Indian Photobiology Society (IPS). In keeping with today's accelerated world and the digital age, the Executive Committee of IPS has decided to publish the IPS Newsletter as a soft copy, in a quarterly manner, so as to reach a wider audience. Our vision is to bring forth a crisp, short, and pictorial Newsletter to spark interest among our readers. We hope that the Newsletter will help in shaping ideas that can impact the future of research and knowledge dissemination in photobiological and photochemical sciences.

This issue presents a brief history of IPS and a roundup of the significant events that have been organized since January 2023, through messages shared by the President and Secretary. It also includes short memoirs and pieces written by senior members of IPS, and information regarding upcoming events. We are also happy to present the revamped logo of IPS which carries the very essence of our Society– to cherish the

importance of “light” and come together as scientists to explore the power of photons for improving lives. This is even more relevant in today's world as we collectively strive toward achieving the Sustainable Development Goals (SDGs), many of which, like, good health and well-being, clean water and sanitation, and affordable and clean energy– can be addressed through applications of photosciences.

We hope that you will find the IPS Newsletter informative and will enjoy the reading. Please share your opinion about this e-newsletter along with comments, suggestions, and information relevant to the Indian Photobiology Society at [teamipsnewsletter@gmail.com](mailto:teamipsnewsletter@gmail.com)

*Dr. Sivaprasad Mitra*

*Dr. Sobhan Sen*

*Dr. Sharmistha Dutta Choudhury*

*Dr. Gourisankar Roymahapatra*

*Dr. Hirak Chakraborty*

## Message from the President

“Photochemistry/Photobiology” is/are the key word/s for the survival of the entire living world on the planet. Photosynthesis, taking place in plants, is the primary source of food in the entire food chain, Photochemistry/Photobiology may be considered as the most relevant word/s to us. A host of great visionaries like Prof. Krishna Kamini Rohatgi-Mukherjee and others from various windows of science realized it so aptly that they hold each other’s hand to establish the Indian Photobiology Group in the year 1964 that got registered in 1970 in the name of Indian Photobiology Society. “Photochemistry” being the driving tool underneath “Photobiology”, the name of the Society obviously does not restrict to encompass the chemistry wing within it. In fact, in a larger sense IPS incorporates “Photoscience” as a whole.

With its objective to serve the country towards expanding scientific attitude through valuable interactions and exchange of ideas among the numerous photoscientists working in different corners of the vast country, the Society has been pursuing its job aiming principally at young researchers. It has been organizing seminars, conferences, etc. for this purpose. Although the activities of IPS saw a trench during the past few years, especially during the Covid time, it has been revitalized again. Society has now taken the policy of going more to the youngsters at even an early age. With this vision, IPS has started finding avenues to meet the

growing minds in various colleges intending to stimulate them in the area of science. The monthly program of the lecture series “IPS Science Talk”, being online and hence accessible to all across geographical boundaries further adds to this endeavor.

The Society used to publish, on a regular basis (quarterly), an IPS Newsletter; containing various scientific articles from scientists of diverse domains of photoscience. For various reasons, unfortunately, this publication was discontinued. It’s a happy news that the IPS Newsletter will be published again on a regular basis, although in a different mode and form.

I would urge to all the honorable members and well-wishers of the IPS to participate actively from all possible corners in all our endeavors to revive our scientific organization so that the budding scientists of our great country can find their ways in a dignified way. As a member of the academic fraternity and the Indian Photobiology Society, it is our duty and responsibility to carry forward the torch of science that was lit way back in 1964 by our revered ancestors for the well-being of the bigger Society as a whole.

**Dr. Nitin Chattopadhyay**  
**Professor, Department of Chemistry**  
**Jadavpur University, Kolkata**

*Dr. Chattopadhyay specializes in Photochemistry, Biophysical Chemistry, Surface Chemistry, Fluorescence Sensing, and Polymer Photophysics. He is a Fellow of the Indian Academy of Sciences (FASc), National Academy of Sciences India (FNASc), West Bengal Academy of Science and Technology (FAScT), and recipient of the Bronze Medal of Chemical Research Society of India, Prof. S C Ameta Award (2019) from the Indian Chemical Society and Prof. S R Mohanty Memorial Award (2018) from the Orissa Chemical Society. He has been endowed with Shiksha Ratna Award from the Government of West Bengal (2019). He has published around 175 quality publications in reputed and refereed journals. His h-index is 42 and i-10 index is 131.*



## Message from the Secretary

### The Contemporary and Future Activities of the 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, Prof. K. K. Rohatgi-Mukherjee, published an article in J. Photochem. Photobiol. B. Biol., 1991, 10, 175-178 on the scientific and organizational activities of the Society. It also reported some detail of its Silver Jubilee Celebration. The Society also celebrated its Golden Jubilee in a befitting manner. IPS started celebrating 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 on 24th January by Prof. Nitin Chattopadhyay, President, IPS first talk was followed by the second one by Prof. Puru Jena, Virginia Commonwealth University, USA. Accordingly, the speakers in subsequent months are Prof. Debprasad Mandal, IIT-Ropar; Prof. Tanmoy Das, Burdwan University on 25th March; Prof. Samita Basu, SINP, Kolkata; Prof. Ashok K Mishra on 25th April. The 4th IPS Science Talk has been held on 27th May and the speakers were Prof. Sobhan Sen, JNU, and Prof. Ajeet Kaushik, Florida Polytechnic University, USA. The National Science Day 2023, was celebrated during March 3-5 through different programs including Sir C. V. Raman Memorial Talk by Prof. Chandrabhas Narayana, Director, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram; Sir J. C. Bose Memorial Lecture by Prof. Gautam Basu, Former Professor, Bose Institute; National Science Day Lecture by Prof. Samrat Mukhopadhyay, IISER Mohali; Prof. Kankan Bhattacharya Memorial Lecture by Prof. Anindya Datta, IIT Bombay. There were also competitions for

Students and Scholars on the theme "Sustainable Development Goals". Total registered participants were 119 including some from abroad. Ten research scholars were awarded prizes out of 48 competitors (one from Israel and one from Poland). Five UG & PG Students were awarded prizes out of 24 competitors. Certificates of participation and winning (where applicable) were distributed.

The IPS collaborated with different academic institutes to organize a few other science-promoting activities within the last four months. These include (i) National Seminar on "New Horizons in Biotechnology – NHBT 2023" during March 16-17 jointly with the Department of Biotechnology, Haldia Institute of Technology, West Bengal; ii) a one-day seminar on "Spectroscopy and its Applications in Chemistry" on 12th April in Bankura Sammilani College; (iii) one-day state level seminar on 'Recent Trends in Chemistry for Lab to Land Application' on 25th April in Narajole Raj College; ; (iv) one-day state level seminar on "Sustainable Development: Lab to Land Application" on 28th April in Peary Mohon College, Uttarpara; (v) Seminar Talks in Jadavpur University in collaboration with the Department of Chemistry JU, one delivered by Dr. Anurag Roy, Univ. of Exeter, UK on 23rd March and another by Dr. Sudipta Bera, The Weizmann Institute of Science, Israel on 26th April.

An International Conference on Biomaterials and Health Care collaborated with Sindurda Vivekananda Inspiration. Centre at Parmarth Niketan, Rishikesh, Uttarakhand, in association with the Indian Institute of Technology, Roorkee during April 13 – 16.

Dr. Gourisankar Roymahaptra successfully organized a month-long Internship program on "Controlling Chemical Reactions and Stoichiometry Through Machine Learning Approach" from 26th April, where 16 participants were joined from UG and PG level including a Faculty member.

*Contd.....*

The inaugural talk was delivered by Prof. Debaprasad Mandal, IIT Ropar, and the training was conducted by Dr. Santanab Giri (HIT), Dr. Madhurima Jana (NIT-Rourkela), Mr. Mrinal K Das (Coochbehar Panchanan Barma Univ.) and Dr. G. Roymahapatra (HIT, Haldia).

The Executive Council has decided to celebrate the Foundation Day of the IPS by organizing a two-day-long National Seminar and students' competition during July 13-15 in IISER Kolkata. Prof. Alakesh Bisai will be the Convener of the Local Organising Committee. We have initiated dialogue with different National Institutes for organizing the Annual Convention of the IPS.

In continuation of previous activities, the EC of IPS is keen to introduce Endowment Lecture Awards in the name of illustrious scientists in the field of photobiology, photochemistry, etc. in the country; Memorial Lecture Awards in the name of visionary founder members of the Society along with Young Scientists Award to the Scholars. Thanks to Prof. S. C. Bera, Patron IPS for his generous donation of Rs. 2.00 lakhs for Sir J. C. Bose Endowment Award and Professor Mihir Chowdhury Endowment Award, to start with. Bank Interest out of the fixed deposit of this fund will be used to invite senior scientists of the country working in the field of Photobiology and Photochemistry to the Annual program of the IPS. We do request other members and well-wishers for such generous donations to execute such great scientific encouragement.



*Dr. Sinha specializes in Coordination Chemistry, especially the design of chemosensors, detection of environmentally important ions and molecules, coordination polymers, MOFs, electrical conductivity, supercapacitor, ion sensors, catalysis, electrochemistry, exploration of drug efficacy, and computation.*

*He received the International Lecturer Award from Padova University, Italy (2011); Best Chemistry Teacher (2012), and William Ramsay Distinguished Researcher Award (IMRF) (2022). He is the Fellow of the West Bengal Academy of Science & Technology (FAScT) (2018) and Engineered Science Society (2022). He has published more than 460 publications in reputed and refereed journals. His h-index is 47 and his i-10 index is 245. Dr. Sinha is in the top 2% scientists of in the world in the list prepared by Stanford University and Elsevier in 2020, 2021, and 2022.*

The EC has constituted two separate Editorial Boards to publish quarterly e-Newsletters and also Book Series on relevant topics of contemporary interest. This is the first issue of the e-Newsletter. I must congratulate the enthusiastic highly energetic wise Editorial Board members for bringing Newsletter within a very short time. IPS published a hard copy of the Newsletter a few years back and Covid-19 had stopped the activities. Membership drive is another issue; the generation of funds is very important. A dozen of scientists joined as Life members of the Society; besides, many foreign scientists are showing their interest to join IPS. The EC has permitted to include Foreign Life Members with a membership fee of \$200.00 and a Registration fee of \$10.00. An issue of Students membership and Students Chapter is accepted by the Executive Council.

In terms of organizational strength and scientific activities, the new EC of IPS has started concrete steps with great hope. I do invite the members and supporters of the IPS to come forward with substantial fund, time, and intellectual support to propagate the time-bound scientific/academic memorandum of the Indian Photobiology Society.

**Dr. Chittaranjan Sinha**  
Professor, Department of Chemistry  
Jadavpur University, Kolkata

Please visit <https://ipbsindia.in/> to download the membership form of Indian Photobiology Society


## IPS EVENTS

## IPS celebrated the 37<sup>th</sup> National Science Day during 3<sup>rd</sup> to 5<sup>th</sup> March, 2023

Indian Photobiology Society celebrated the 37th National Science Day from 3rd to 5th March 2023, and the theme was 'Global Science for Global Wellbeing- Lab to Land'

IPS institutes Prof. C. V. Raman Memorial Lecture, Acharya Jagadish Chandra Bose Memorial Lecture, and Prof. Kankan Bhattacharya Memorial Lecture from this year. These lectures will be a regular event of IPS.

In addition to these lectures, Research Scholars and undergraduate students from across India presented their work on various topics. The best three presenters were selected by the judges. The celebration ended with a valedictory function, where the best presenters were awarded.



**37th National Science Day Celebration**  
& *National Seminar on*

*"Global Science for Global Wellbeing - Lab to the Land" (GSGWLL-2023)*

**3<sup>rd</sup>-5<sup>th</sup> March 2023**

**Seminar Mode : Online**  
Reaistration Link :  
<https://forms.gle/NxS7osF5mQwhU9W17>

*Organised by*  
**Indian Photobiology Society**  
Kolkata

Contact - [indianphotobiology@gmail.com](mailto:indianphotobiology@gmail.com)

### Speakers

#### Presidential Address

Prof. Nitin Chattopadhyay

President  
Indian Photobiology Society  
Jadavpur University, Kolkata, India

March - 03, 2023



2/7

#### Inaugural Talk & CV Raman Memorial Lecture

Prof. Chandravar Narayana

Director  
Rajiv Gandhi Centre for Biotechnology,  
Thiruvananthapuram, India

March - 03, 2023



#### Acharya Jagadish Chandra Bose Memorial Lecture

Prof. Gautam Basu

Professor  
Bose Institute, Kolkata, India

March - 03, 2023



### Speakers

#### National Science Day Lecture (Scientific Lecture Series)

Prof. Samrat Mukhopadhyay

Indian Institute of Science  
Education and Research Mohali,  
(IISER Mohali) India

March - 03, 2023



#### Prof. Kankan Bhattacharya Memorial Lecture

Prof. Anindya Datta

Indian Institute of Technology  
Bombay (IIT Bombay)  
Mumbai, India

March - 05, 2023



#### Activity of IPS & Future Planning

Prof. Chittaranjan Sinha

Secretary  
Indian Photobiology Society  
Jadavpur University, Kolkata,  
India

March - 05, 2023



# IPS EVENTS

## IPS Organized Scientific Lecture Series 2023

**SCIENTIFIC LECTURE SERIES 2023**

**Lecture 1 :-**  
**Topic :-** Development of Potential Strategies from Simple Ideas

**Speaker :-** Prof. Nitin Chattopadhyay, F.A.Sc., F.N.A.Sc, Department of Chemistry, Jadavpur University, Kolkata – 700032, President, Indian Photobiology Society.



**Organized by :-** Indian Photobiology Society, Kolkata.  
**In association with-** Department of Biotechnology, Haldia Institute of Technology, Haldia.

**Mode :-** ONLINE,  
<http://meet.google.com/qxx-dmgt-pwa>


**Date :-** 24 January, 2023 at 7: 00 - 7: 45 pm

**Email :-** ju\_photo@yahoo.com  
 crsjuchem@gmail.com

**SCIENTIFIC LECTURE SERIES 2023**

**Lecture 2 :-**  
**Topic :-** Many Faces of Carbon

**Speaker :-** Prof. Puru Jena Distinguished Professor & Director, Institute for Sustainable Energy and Environment, Department of Physics Virginia Commonwealth University, USA



**Organized by :-** Indian Photobiology Society, Kolkata.  
**In association with-** Department of Biotechnology, Haldia Institute of Technology, Haldia.

**Mode :-** ONLINE,  
<http://meet.google.com/qxx-dmgt-pwa>


**Date :-** 24 January, 2023 at 7: 45 - 8: 30 pm

**Email :-** ju\_photo@yahoo.com  
 crsjuchem@gmail.com

**Indian Photobiology Society, Kolkata, India**  
**SCIENTIFIC LECTURE SERIES 2023**

**Lecture 3 :-**  
**Topic :-** A Deep Dive into Biomolecular Condensates using Fluorescence and Raman Spectroscopy

**Speaker :-** Prof. Samrat Mukhopadhyay, Indian Institute of Science Education and Research Mohali, (IISER Mohali) India



**Organized by :-** Indian Photobiology Society, Kolkata, INDIA.

**Mode :-** ONLINE,  
<https://meet.google.com/cuj-tdov-jng>


**Date :-** 4th March , 2023 at 7.00 – 7.45 pm

**Email :-** indianphotobiology@gmail.com  
 crsjuchem@gmail.com

**Indian Photobiology Society, Kolkata, India**  
**SCIENTIFIC LECTURE SERIES 2023**

**Lecture 4 :-**  
**Topic :-** In Search of Cutting-edge development towards Holy Grail of chemistry for a Sustainability Society

**Speaker :-** Prof. Debaprasad Mandal, Indian Institute of Technology Ropar, Punjab, India.



**Organized by :-** Indian Photobiology Society, Kolkata, INDIA.


**Mode :-** ONLINE,  
<https://meet.google.com/kcu-gajq-gvr>

**Date :-** 25 March , 2023 at 7: 00 pm

**Email :-** indianphotobiology@gmail.com  
 crsjuchem@gmail.com

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## IPS EVENTS


 Indian Photobiology Society, Kolkata, India  
**SCIENTIFIC LECTURE SERIES 2023**

**Lecture 5 :-**  
**Topic :-** Development of Glass Fertilizer on the Khariff paddy in Indian context

**Speaker :-** Prof. Tanmoy Das,  
Dept. of Chemistry The University  
of Burdwan, West Bengal, India

**Organized by :-**  
Indian Photobiology Society,  
Kolkata, INDIA.






**Mode :-** ONLINE,  
<https://meet.google.com/kcu-gqj-gvr>

**Date :-** 25 March , 2023 at 7: 00 pm


**Email :-** indianphotobiology@gmail.com  
crsjuchem@gmail.com


 Indian Photobiology Society, Kolkata, India  
**SCIENTIFIC LECTURE SERIES 2023**

**Lecture 6 :-**  
**Topic :-** Controlling Photoinduced Electron Transfer through Spin-state Selection

**Speaker :-** Prof. Samita Basu,  
Former Professor & Head,  
Chemical Sciences Division,  
Saha Institute of Nuclear Physics, Kolkata  
700 064, India.

**Organized by :-**  
Indian Photobiology Society,  
Kolkata, INDIA.





**Mode :-** ONLINE,  
<http://meet.google.com/snn-yqmv-xqt>

**Date :-** 29 April , 2023 at 7: 00 pm

**Email :-** indianphotobiology@gmail.com  
crsjuchem@gmail.com

 Indian Photobiology Society, Kolkata, India  
**SCIENTIFIC LECTURE SERIES 2023**

**Lecture 7 :-**  
**Topic :-** How to Exploit Fluorescence Inner Filter Effect

**Speaker :-** Prof. Ashok Kumar Mishra,  
S.R. Rajagopalan Institute Chair Professor,  
Department of Chemistry,  
Indian Institute of Technology Madras,  
Chennai 600036, INDIA.

**Organized by :-**  
Indian Photobiology Society,  
Kolkata, INDIA.






**Mode :-** ONLINE,  
<http://meet.google.com/snn-yqmv-xqt>

**Date :-** 29 April , 2023 at 7: 30 pm


**Email :-** indianphotobiology@gmail.com  
crsjuchem@gmail.com


 Indian Photobiology Society, Kolkata, India  
**SCIENTIFIC LECTURE SERIES 2023**

**Lecture 8 :-**  
**Topic :-** Manipulative nano-biosensor to manage infectious diseases intelligently

**Speaker :-** Prof. Ajeet Kaushik,  
Florida Polytechnic University,  
USA

**Organized by :-**  
Indian Photobiology Society,  
Kolkata, INDIA.





**Mode :-** ONLINE,  
<http://meet.google.com/zyk-quaf-cbj>

**Date :-** 27 May , 2023 at 5: 00 pm

**Email :-** indianphotobiology@gmail.com  
crsjuchem@gmail.com

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# IPS EVENTS



**Indian Photobiology Society, Kolkata, India**  
**SCIENTIFIC LECTURE SERIES 2023**

**Lecture 9 :-**  
**Topic :-** Probing Kinetics of Ligand Interaction with DNA Accurately

**Speaker :-** Prof. Sobhan Sen, Jaharlat Neheru University, Delhi, India

**Organized by :-** Indian Photobiology Society, Kolkata, INDIA.



**Mode :-** ONLINE,  
<http://meet.google.com/zyk-quaf-cbj>

**Date :-** 27 May, 2023 at 5: 30 pm

**Email :-** indianphotobiology@gmail.com  
 crsjuchem@gmail.com



# Outreach Activities



**Narajole Raj College,  
Paschim Medinipur, WB**





## MEMOIRS

At the time of the year 1973, when I joined Jadavpur University, I got Prof. K K Rogatgi-Mukherjee as one of my colleagues. With time and with her strong and sweet personality she drew me closer to her as her research associate and an active member of Indian Photobiology of which she was the founder secretary. She used to call meetings of the society either in her sitting room at the Chemistry department of Jadavpur University or in her residence at Jodhpur Park, Kolkata. Mostly in any meeting, place, timings, and the topic of the next seminar or symposium was discussed, at the time I joined, and the society has its local chapters in Mumbai, Delhi, Lucknow, Sambalpur, Kolhapur. At some of the conferences, I had the privilege to attend. As I still remember attending the Kolhapur conference as there is no flight connecting Calcutta and Kolhapur, we took Calcutta to Nagpur flight, and from Nagpur by car we went to Kolhapur. This journey was through the cotton growing field which I enjoyed most. At the Mumbai conference, chief minister Sri A R Antulay was the chief patron of the conference, he arranged a Mumbai sightseeing tour free of cost. Sometimes Prof. Rohatgi-Mukherjee arranged lectures with short notice of renowned and famous foreigners passing through Kolkata. Around the year 1999,

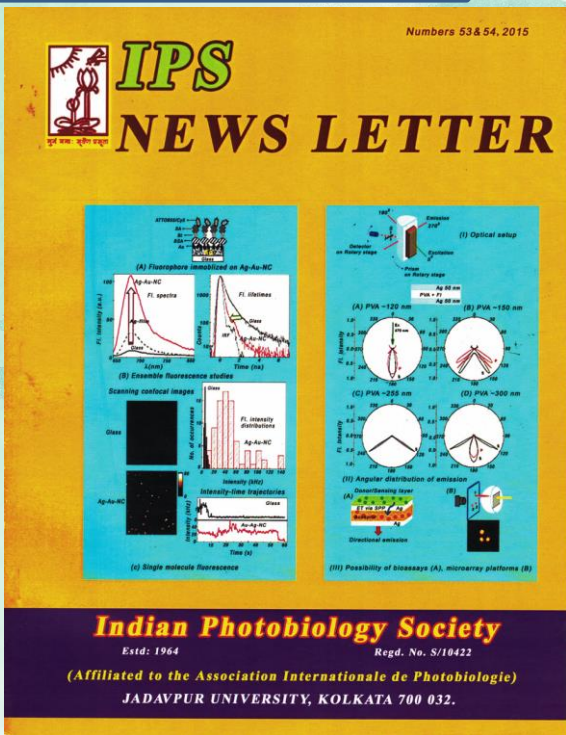
Prof. Rohatgi-Mukherjee suffered from a memory loss problem, and the activities of society became slower. However, the society had a great loss of its mentor prof. Rohatgi-Mukherjee when she died on 31st December 2009. In the year 2012, Prof. Chandana Haldar of the Zoology Department, at Banaras Hindu University, organized a biannual symposium of the society. She arranged a tour around the ancient city. In 2014, at Jadavpur University, Kolkata we arranged the golden jubilee celebration of the society. In its two-day symposium, scientists from all over India participated and delivered. In that year several one-day seminars were arranged locally. On several occasions, popular lecture demonstrations were done. This is how society existed with its activity before the covid lockdown era. After covid era, we benefitted from online facilities to spread our activity without limit of space, but unfortunately, we are detached from a personal touch.

**Dr. Subhash Chandra Bera**  
Former Professor, Department of Chemistry  
Jadavpur University, Kolkata

*Dr. Bera (b. 03/01/1942) hails from a poor cultivator family. His father was illiterate and father's education was limited to learn to draw his signature. He passed his school final in 1958 and thereafter completed his B. Sc. (Chem. Hons) from Vidyasagar College, Kolkata in 1963 and M. Sc. (Chem) in 1965. He was the 1<sup>st</sup> Ph. D. student of Professor Mihir Chowdhury, and received his Ph. D. in 1971 for research at Indian Association for the Cultivation of Science. He served as lecturer and guest lecturer in Ramkrishna Mission Residential College, Narendrapur and then joined Jadavpur University in 1973, where he served as lecturer, reader and professor in Chemistry and held positions of In-Charge, Physical Chemistry Section and Head, Department of Chemistry. In his research endeavors, he published more than 43 research articles with 10 Ph. D. scholars exploring (a) the excited state chemistry of aromatic dicarbonyls and (b) cis-trans tautomerisation of azo-benzene dyes using laser flash photolysis. His recent interest is in the simplified thermodynamic derivation of MB, BE and FD statistical distribution; details can be found at: S. C. Bera, J Indian Chem. Soc, 93, pp 317 – 320 (2016).*



MEMORIES.....



The previous issue of the  
 IPS Newsletter,  
 No. 53 and 54, 2015

Inauguration of IPS Meeting 2017  
 NIT Rourkela



Participants of IPS Meeting 2016, Sambalpur University

# Upcoming Events

## 60<sup>th</sup> Foundation Day Celebration of Indian Photobiology Society Sustainability and Interdisciplinarity In Chemical Sciences (SICS)

### About the Symposium

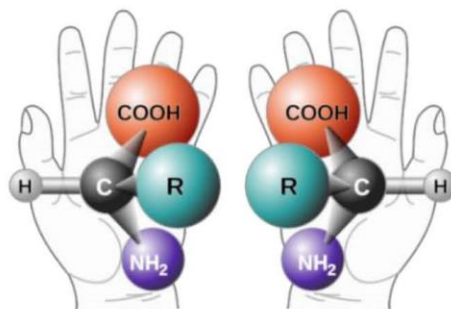
The SICS - 2023 (Sustainability and Interdisciplinarity in Chemical Sciences 2023) conference in Chemical Sciences is organized by **Indian Institute of Science Education and Research Kolkata (IISERK)** during **July 13-15, 2023** to Celebrate the '60<sup>th</sup> Foundation Day' of the 'Indian Photobiology Society'. The organizing committee of SICS takes the pleasure of inviting you to this symposium. The symposium includes Award Lectures by the IPS, Keynote Lectures, Plenary Lectures, Special Invited Lectures, and Invited lectures, by eminent scientists working in the allied areas of Chemistry and Biology from our Country. The SICS-2023 provides a platform for scientists, and faculty members to discuss the recent developments in Chemical Sciences and Biological Sciences across the sub-disciplines. In addition, SICS 2023 creates opportunities to exchange ideas and to build long lasting collaborations in the frontier areas of chemistry and its allied disciplines.

### SICS Conference July 13-15, 2023

Meeting will be held in offline mode. Limited number of selected participants (by Invitation only) will attend in physical mode.

**Venue of Conference:**  
R. N. Tagore Auditorium  
IISER Kolkata, Mohanpur

**Accommodation:**  
Visitors' Hostel, IISER Kolkata, Mohanpur  
Guest House, MAKAUT, Mohanpur, WB



**Important Dates** (<https://ipbsindia.in/>)

**Registration: 15<sup>th</sup> June, 2023**

Last date of abstract submission for poster presentation is 15<sup>th</sup> June, 2022. Abstract template, and a format of bio-sketch of speakers and Chairpersons can be obtained from the conference website.

Organized by: Department of Chemical Sciences

Indian Institute of Science Education and Research Kolkata (<https://ipbsindia.in/>)

*Celebrating 60 Years of Excellence of the IPS*



Published by:

Indian Photobiology Society

Department of Chemistry, Jadavpur University, Kolkata 700 032

Email: [indianphotobiology@gmail.com](mailto:indianphotobiology@gmail.com)

# INDIAN PHOTOBIOLOGY SOCIETY

Regd. No. : SO010422

Department of Chemistry, Jadavpur University, Kolkata 700 032.

(Affiliated to the Association Internationale de Photobiologie)

## Executive Committee (2023-2024)

### Patrons

Prof. Subhash Chandra Bera, JU, Chemistry (Retd)

Prof. Udaya Chand Biswal, Sambalpur Univ., Odisha (Retd)

Prof. Papiya Nandy, JU, Physics (Retd)

### President

Prof. Nitin Chattopadhyay, JU, Chemistry

### Vice-Presidents

Prof. Subhash Chandra Bhattacharya, JU, Chemistry (Retd)

Prof. Basanti Biswal, Sambalpur Univ., Odisha

Prof. Ashok Kumar Mishra, IIT, Madras

### Secretary

Prof. Chittaranjan Sinha, JU, Chemistry

### Treasurer

Dr. Gourisankar Roymahapatra, HIT, Haldia

### Members

Prof. Anindya Datta, IIT, Mumbai

Prof. Samita Basu, SINP (Retd)

Prof. Pradipta Purkayastha, IISER Kolkata

Dr. Harekrushna Sahoo, NIT, Raurkela

Dr. HIRAK Chakraborty, Sambalpur Univ., Odisha

Prof. Sukhen Das, JU, Physics

Prof. Kishore CS Panigrahi, NISER, Odisha

Prof. Sivaprasad Mitra, NEHU, Shilong

### Members (Invited)

Prof. Kallol K Ghosh, Pt. Ravishankar Shukla University, Raipur

Prof. Pramit Chowdhury, IIT-Delhi

Prof. Sobhan Sen, JNU, New Delhi

Dr. Riffat John, University of Kashmir

### Jt. Convener, Kolkata Chapter

Prof. Swati De, Kalyani Univ., Chemistry

Dr. Sharmistha Dutta Choudhury, BARC, Mumbai

Mr. Pronab Bhowmick, JU (Retd)



# INDIAN PHOTOBIOLOGY SOCIETY

Jadavpur University Campus, Kolkata 700032, India

Estd.: 1964 Regd. No. : S/10422

(Affiliated to the Association Internationale de Photobiologie)

Website: <https://ipbsindia.in/>

Name in full: \_\_\_\_\_  
(Block Letter)

Address in full: \_\_\_\_\_

E-mail: \_\_\_\_\_ Mobile: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Academic Qualifications: \_\_\_\_\_

Field of research interest: \_\_\_\_\_

(Please attach a brief bio-data)

Name of IPS member you know: \_\_\_\_\_

Name of other persons known to you who may be interested to join IPS:  
Name \_\_\_\_\_ affiliation \_\_\_\_\_

E-mail ID \_\_\_\_\_ Contact no \_\_\_\_\_

Declaration: I enclose herewith a Bank Draft of Rs./USD \_\_\_\_\_ (In words: \_\_\_\_\_ ) for the Annual Membership / Life membership / Foreign Life Membership and I enclose herewith a Bank Draft / Online transaction receipt / CTS Cheque (Give detail: \_\_\_\_\_ )

in favour of INDIAN PHOTOBIOLOGY SOCIETY drawn on State Bank of India, Jadavpur University Branch, Kolkata, India.

**Bank Detail: Account Name: INDIAN PHOTOBIOLOGY SOCIETY**  
**Account Number: 11079703591, Bank: State Bank of India,**  
**Branch: Jadavpur University, IFSC Code: SBIN0000093.**

Mail to: Prof. Chittaranjan Sinha, Secretary, Indian Photobiology Society, Jadavpur University Campus, Kolkata 700 032, India

E-mail: [indianphotobiology@gmail.com](mailto:indianphotobiology@gmail.com) / Mob: +91-70442 31277

## **Membership Type:**

Life Membership (India) - Rs.3100/- (Rs. 3000 as fee and Rs.100/- for registration)

Life Membership (Foreign) – USD 210/- (USD 200/- as fee and USD 10/- for registration)

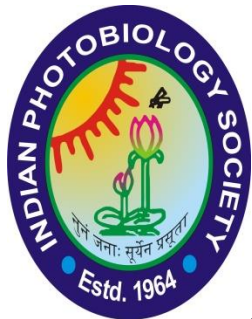
Annual Membership - Rs.600/- (Rs. 500 as fee and Rs.100/- for registration)

[For annual membership renewal required within 31<sup>st</sup> - March of every year, and Annual members have no voting right in council election]

Paste Passport size (colour) photo here

Date.....Place.....

Full Signature of the Applicant



# INDIAN PHOTOBIOLOGY SOCIETY

Jadavpur University Campus, Kolkata 700032, India

Estd.: 1964 Regd. No. : S/10422

(Affiliated to the Association Internationale de Photobiologie)

Website: <https://ipbsindia.in/>

Name in full: \_\_\_\_\_  
(Block Letter)

Address in full: \_\_\_\_\_  
\_\_\_\_\_

E-mail: \_\_\_\_\_

Mobile: \_\_\_\_\_

Programme studying: \_\_\_\_\_ ( e.g. BSc, BTech, MSc, MTech etc.)

Programme duration: \_\_\_\_\_ ( e.g. 3 Yrs (BSc) 2023-2025)

Name of Institute / College / University: \_\_\_\_\_

Address: \_\_\_\_\_

Name of the HOD/ Institute Head: \_\_\_\_\_

Paste Passport  
size (colour)  
photo here

Declaration: I enclose herewith a Bank Draft of Rs./USD \_\_\_\_\_ (In words: \_\_\_\_\_ ) for the Student Membership and I enclose herewith a Bank Draft / Online transaction receipt / CTS Cheque (Give detail: \_\_\_\_\_ ) in favour of INDIAN PHOTOBIOLOGY SOCIETY drawn on State Bank of India, Jadavpur University Branch, Kolkata, India.

**Bank Detail: Account Name: INDIAN PHOTOBIOLOGY SOCIETY**

**Account Number: 11079703591, Bank: State Bank of India,**

**Branch: Jadavpur University, IFSC Code: SBIN0000093.**

Mail to: To The Secretary, Indian Photobiology Society, Jadavpur University Campus, Kolkata 700 032, India

E-mail: [indianphotobiology@gmail.com](mailto:indianphotobiology@gmail.com) Mob: +91-70442 31277

## **Membership Type:**

Student Membership - Rs.300/- (Rs. 200 as fee and Rs.100/- for registration)

*[For student membership; renewal of the membership required after completion of one programme and taking admission in a new programme, and during rebnewal student need to pay only the membership fee. Student member have no voting right in council election]*

Signature of Head of the Institute /  
HOD/ Dean /Chapter Coordinator/  
with Stamp seal

Signature of the student

Date.....Place.....

Date.....Place.....