

**\*Registration Fees:**

Scientists & Faculty Members: Rs. 5500/-  
(Without Accommodation)

Ph.D. Students: Rs. 5000/-  
(With Accommodation)

Participation from Industries: Rs. 10000/-

\*A discount of Rs. 500/- on the registration fees will be provided to all ISRAPs Members.

The registration fee includes expenses towards registration kit, conference proceedings, refreshments as well as meals served during the scientific sessions of the symposium.

The registration fee should be paid by Electronic Money Transfer as per the following details.

Name of the Bank: **STATE BANK OF INDIA**  
Branch: **BITS PILANI GOA CENTRE**  
Beneficiary: **BITS PILANI K. K. BIRLA GOA CAMPUS**  
Account Number: **30803684122**  
IFS Code: **SBIN0010720**  
Kindly intimate your transaction details by email to **nsrp2023@gmail.com**

**For details contact:**

**N. Maiti (Convener)**

**A. Barik (Co-Convener)**

Radiation & Photochemistry  
Division, BARC  
Mumbai - 400 085, India  
Tel: 91-22-25590917 /  
25592975

E-mail:

[nsrp2023@gmail.com](mailto:nsrp2023@gmail.com)

**M. Banerjee (Convener)**

Birla Institute of Technology  
& Science, Pilani  
K K Birla Goa Campus  
NH 17 B, Zuarinagar  
Goa - 403 726, India  
Tel: 91-832-2580347

E-mail:

[mainak@goa.bits-pilani.ac.in](mailto:mainak@goa.bits-pilani.ac.in)

**About BITS Pilani:**

Birla Institute of Technology & Science, Pilani is a Deemed to be University with more than 17,000 students across its four campuses in Pilani, Goa, Hyderabad and Dubai. BITS Pilani is a well-known institute for higher education in engineering and sciences, and research. Ranked among the top few Indian universities, it has been recognized as an Institute of Eminence by MHRD, Govt. of India. BITS Pilani is India's highest-ranked non-Government institute as declared in QS Asia 2020 and QS India 2020. The faculty and research scholars have been engaged in cutting-edge research leading to more than 11,700 Scopus indexed publications and 85+ patents being filed till date.

BITS Pilani, K K Birla Goa Campus was commissioned in August 2004. Nesting in the lap of verdant hills, overlooking the Zuari river, the campus is spread over an area of 180 acres. The location of the campus is unique in the respect of scenic beauty and panoramic view of picturesque surroundings encompassing the Zuari river, hillocks, waterways, forests, and landscape. Being fully residential, the university hosts 4000 students and 600 faculties and staff members in the campus.



BITS Pilani, K K Birla Goa Campus

**About the Department of Chemistry:**

The department is well known nationally and internationally, for its excellence in both academic and research activities. The department offers M.Sc. in Chemistry and Ph.D. to the aspiring students and is equipped with state-of-the-art instrumentation facilities and research laboratories. The department is recipient of several grants from national (DST, DBT, CSIR, DRDO, BRNS) and international (EU & UKIERI) agencies. Highly motivated faculty members and research scholars are actively involved in academic developments and research in conventional as well as emerging areas of chemistry and allied subjects.

# 15<sup>th</sup> National Symposium on Radiation and Photochemistry

**(NSRP – 2023)**

**January 5-7, 2023**

**Venue**

**Birla Institute of Technology & Science, Pilani  
K K Birla Goa Campus, Zuarinagar  
Goa - 403 726, India**

**Organized by**

**Indian Society for Radiation and  
Photochemical Sciences (ISRAPs)**



**&**

**BITS Pilani**

**K K Birla Goa Campus  
Department of Chemistry**



**Symposium website**

**[www.israp.org.in/nsrp2023](http://www.israp.org.in/nsrp2023)**

**National Advisory Committee**

C. T. Aravindakumar, MG University, Kottayam  
 Souvik Bhattacharyya, Vice Chancellor, BITS Pilani  
 T. Chakraborty, IACS, Kolkata  
 S. K. Ghosh, UM-DAE CEBS, Mumbai  
 Anil Kumar, IIT Roorkee, Roorkee  
 A. S. Kumbhar, SPP University, Pune  
 J. P. Mittal, UM-DAE CEBS, Mumbai  
 T. Mukherjee, Ex-BARC, Mumbai  
 P. D. Naik, HBNI, Mumbai  
 D. K. Palit, UM-DAE CEBS, Mumbai  
 B. S. M. Rao, Ex-SPP University, Pune  
 S. K. Sarkar, Ex-BARC, Mumbai  
 A. K. Singh, Ex-IIT Bombay, Mumbai  
 A. K. Tyagi, BARC, Mumbai

**Symposium Organizing Committee**

**Chairperson:** Awadhesh Kumar, BARC, Mumbai

**Convener:** N. Maiti, BARC, Mumbai

**Convener:** M. Banerjee, BITS Pilani, K K Birla Goa Campus

**Co-Convener:** A. Barik, BARC, Mumbai

T. Bandyopadhyay, BARC, Mumbai

Y. K. Bhardwaj, BARC, Mumbai

A. C. Bhasikuttan, BARC, Mumbai

P. Mathi, BARC, Mumbai

J. Mohanty, BARC, Mumbai

S. Nath, BARC, Mumbai

C. N. Patra, BARC, Mumbai

M. C. Rath, BARC, Mumbai

A. Das, BARC, Mumbai

A. Kanjilal, BARC, Mumbai

S. Saha, BARC, Mumbai

**Local Organizing Committee****(BITS Pilani, K K Birla Goa Campus)**

**Patron:** S. Kundu, Director, BITS Pilani, K K Birla Goa Campus

**Local Advisors:** S. Bhand, D. M. Kulkarni, H. Prakash

**Chairperson:** A. Chatterjee

**Convener:** M. Banerjee

**Secretary:** K. Vankayala

**Treasurer:** K. P. Jayadevan

**Members:** A. Chattopadhyay, S. Chatterjee, W. Sinha, U. Basu, S. Bhattacharya, M. Kowshik, A. Sarkar, S. Mondal, S. N. Mohanty, I. F. Sardinha, A. C. Halarnkar, A. K. Patil, K. Baiju

**Connectivity:** There are direct flights from all metro cities like Mumbai, New Delhi, Bangalore, Chennai, Kolkata, Hyderabad and connecting flights from other major cities in the country. Reaching BITS Pilani, K K Birla Goa Campus from the airport takes only 5 minutes in a taxi, which is easily available at the airport. For those commuting from the nearby railway stations, Madgaon or Vasco-da-Gama to the venue, rented cars or buses are available.

**About the Symposium:** The biennial National Symposium on Radiation and Photochemistry (NSRP) provides an important platform for discussion on new research areas in Radiation and Photochemical Sciences. Since inception, NSRP has been playing a unique role in bringing together not only the pioneers but also young researchers in both the areas, yielding fruitful discussions and setting the course for future directions. This is the only national program, in which the subtle nuances of Radiation and Photochemistry are discussed on the same platform. The main topics are designed to include a wide range of subjects involving both fundamental aspects as well as applications of Radiation & Photochemistry. The symposium will constitute invited talks and presentations of contributory papers as posters.

**Scientific Scope:**

- Basic studies in radiation & photochemical sciences
- Applications of radiation & photochemistry
- Theoretical aspects of radiation & photochemistry
- Radiation & photochemistry of advanced materials
- Atmospheric chemistry
- Radiation & photochemistry in nuclear industry, health care and biology/ life sciences

**Key Deadlines:**

Submission of Abstract & Registration: 10<sup>th</sup> Oct. 2022  
 Intimation of Acceptance: 10<sup>th</sup> Nov. 2022  
 Registration against Payment: 15<sup>th</sup> Nov. 2022

**Presentation:**

Multimedia projectors will be made available for oral presentations. An area of 1m x 1m will be provided for each poster presentation.

**Abstract Submission:** Participants should register in the symposium website ([www.israps.org.in/nsrp2023](http://www.israps.org.in/nsrp2023)), before submission of the abstract. The one page abstract for the oral or poster presentation should be prepared using the template provided in the symposium website and submitted online before the due date. For any further queries, kindly contact us at [nsrp2023@gmail.com](mailto:nsrp2023@gmail.com).

**Please strictly adhere to the abstract format given below:**

**MANUSCRIPT TITLE (14 pt, bold, Times New Roman)**

**A.B. Author and C.D. Author (13 pt, bold, Times New Roman)**

*Author's affiliations (use complete addresses) 11 Pt, Italics, Times New Roman. If more than one affiliation is needed, they should be indicated by superscript.*

*E-mail: Provide presenting author's email ID.*

*Presenting author's name should be underlined.*

Text should be typed in Times New Roman, with font size 12 and 1.15 line spacing. Enough scientific information about the work should be reflected and all contents including figures, tables, references etc. must be contained within one page limit. Figures should be included in a text box so that the remaining space can be utilized for providing more discussion. The authors should ensure to provide figures with good resolution as these will be reproduced as submitted.

Reference numbers should be provided at the end of the sentence as [n]. You may directly type or copy/paste the text and figures/schemes in the template provided in the website.

References (Max. 3)

1) A.B. Author, C. Author and D.E. Author, J. Abbn. Vol (Year) Page.

2) X.Y. Author, in "Name of the book", XYZ, Ed; (Year) Publisher, City, Page.