

Connectivity

Kolhapur possesses historical as well as mythological importance. It is known as Dakshin Kashi on account of its deity Mahalaxmi and it is famous for being a center of art, education, sports, leather goods, film and sugarcane industries. There are several attractive tourist places Panhala fort, ancient temple and wild life Sanctuaries. It is well connected by train, road, & air. The city has pleasant climate in the month of October. The most popular tourist destination, Calangute Beach, Goa, is just about 150 km from Kolhapur.

About the Meeting Cum One Day Symposium:

The ISRAPS Meeting-Cum-One Day Symposium on "EMERGING ROLE OF RADIATION IN NANOTECHNOLOGY: FUNDAMENTAL TO TRANSLATIONAL RESEARCH" provides an important and common platform for researchers as well as students to know and discuss the current trends, recent developments and future perspectives in the thrust research areas of Nanoscience, Nanotechnology, Radiation and Photochemical Sciences. 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. Abstract should be sent by email to snstconference@gmail.com

Scientific Scope:

- ✧ Theoretical and practical aspects of radiation & photochemistry of advanced materials
- ✧ Environmental Science
- ✧ Radiation & photochemistry in nuclear industry, healthcare and biology/ life sciences
- ✧ Nano materials for photochemical transformations

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About Shivaji University, Kolhapur

Shivaji University, established in 1962, is named after the Great Maratha Warrior and founder of the Maratha empire Chhatrapati Shivaji. It was inaugurated on 18th November, 1962 by Dr. Radhakrishnan, the then President of India. The jurisdiction of the University is spread over three districts viz. Kolhapur, Sangli and Satara with strength of about 2,00,000 students studying in 225 affiliated colleges and recognized institutes. Under the innovative and socially reformist leadership of Chhatrapati Shahu Maharaj, the princely ruler of Kolhapur, the city has become a focal point of educational opportunities for all classes and communities of South-Western Maharashtra, and northern parts of neighboring Karnataka.

About the School:

The School of Nanoscience and Technology is established on the eve of Golden jubilee of Shivaji University in 2012. The school has stimulating BSc-MSc (5 years integrated) in Nanoscience and Technology programme. The research programs offered are M.Phil. and Ph.D. The school is recognized by pharmaceutical industries as a producer of the scientific manpower. The alumni of the school are holding the apex positions in National Laboratories, Institutions and Universities of our country as well as abroad. The school is supported by Government of Maharashtra, Department of Science and Technology (DST), University Grant Commission (UGC), Department of Biotechnology (DBT). The research work carried in the school is of international status. The school has its faculty highly qualified competent members whose work has been internationally recognized. The thrust areas of the school are the development of new Synthetic Methodologies, Green Chemistry, Material Science, Photochemistry, Catalysis, Nanomaterial, Nanosensing, Nanoelectronics and Nanobiotechnology.

Registration:

Registration link: <https://forms.gle/PM5KV3DNeQU3C9zk8>

Fees: Scientists & Faculty Members : Rs. 700,
Ph.D. Students : Rs. 500, UG/PG Students: Rs. 300,
Industry personals : Rs. 1000.

The registration fee includes expenses towards registration kit, tea served during the scientific sessions as well as the lunch during the symposium.

UCO Bank Acc. No. 02890200000001, Vidyanagar Branch, Kolhapur, IFSC: UCBA0000289

Correspondence :

K. D. Pawar,
School of Nanoscience and Technology,
Shivaji University-416004;
Phone (O) 0231-2609490
Cell:+91-8605898790,
E-mail: snstconference@gmail.com



ISRAPS Discussion Meeting-Cum- One Day Symposium on

"EMERGING ROLE OF RADIATION IN NANOTECHNOLOGY: FUNDAMENTAL TO TRANSLATIONAL RESEARCH"



OCTOBER 15, 2022

Jointly organized by

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

**School of Nanoscience and Technology,
Shivaji University, Kolhapur**

In association with
**Maharashtra Academy of Sciences
Kolhapur Chapter**

Venue
**Shahu Senate Hall,
Shivaji University, Kolhapur (India)**





INDIAN SOCIETY FOR RADIATION AND PHOTOCHEMICAL SCIENCES

(Reg. No. 617/1985, GBESD, Bombay Trust No. F-10965)
c/o Radiation & Photochemistry Division
Bhabha Atomic Research Centre, Mumbai - 400 085

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One-day Symposium on

Emerging Role of Radiation in Nanotechnology: Fundamental to Translational Research

(In association with ISRAPs and Maharashtra Academy of Sciences Kolhapur Chapter)

Venue: Shahu Senate Hall, Shivaji University, Kolhapur (India)

Date: 15th October, Saturday, 2022

Program

Inauguration & About ISRAPs activities

9.30-10.00

Session Chair: Prof. A. C. Bhasikuttan

Talk-1: Dr. V. Sudarsan, Scientist, BARC Mumbai.

10.00-10.35

Title: Materials for sustainable lighting applications

Talk-2: Dr. Sreejith K., Scientist, BARC Mumbai.

10.35-11.10

Title: Hot Carrier Cooling Dynamics in Lead Halide Perovskite Nanocrystals

Tea Break: 11.10-11.25

Talk-3: Dr. Apurav Guleria, Scientist, BARC Mumbai.

11.25-12.00

Title: Ionising radiation for synthesizing nanomaterials with unique features

Session Chair: Prof. K. D. Sonawane

Talk-4: Dr. Beena G. Singh, Scientist, BARC Mumbai.

12.00-12.35

Title: Synthesis of nanomaterials and characterization: A general talk

Talk-5: Dr. Abhinav K. Dubey, Scientist, BARC Mumbai.

12.35-13.10

Title: Radiation processing of conducting polymer composites for sensing applications

Lunch: 13.10-14.00

Talk-6: Dr. Chinnakonda S. Gopinath, Scientist, NCL Pune.

14.00-14.35

Title: Key issues in solar water splitting and possible approaches to tackle them

Session Chair: Prof. K. Y. Rajpure

Talk-7: Dr. Avinash S. Kumbhar, SPPU, Pune.

14.35-15.10

Title:

Posters + Tea: 15.10-16.10

Talk-8: Dr. S.D. Dhole, Professor, SPPU Pune.

16.10-16.35

Title:

Talk-9: Dr. Hemraj M. Yadav, Ramamijan Fellow, SNSI, SUK

16.35-17.10

Title: Multifunctional TiO₂ Nanostructures for Photochemical Transformation Applications

Concluding Session

17.10-17.30

E-mail: israpsecretary@gmail.com; bkac@barc.gov.in; Web Site: www.israp.org.in

Contact No: (022)- 25590302/25593771/25592975

