

Patrons

Dr. Ramdas M. Pai, Chancellor, MAHE, Manipal (Chief Patron)
 Dr. Ranjan Pai, Chairman, MEMG, Manipal
 Dr. H. S. Ballal, Pro-Chancellor, MAHE, Manipal
 Dr. H. Vinod Bhat, Vice Chancellor, MAHE, Manipal
 Dr. Datuk Abdul Razzak, Pro Vice Chancellor, MAHE, Manipal
 Dr. Vorvady Surendra Shetty, Pro Vice Chancellor, MAHE, Manipal
 Dr. Poornima Baliga, Pro Vice Chancellor (Health Sciences), MAHE, Manipal
 Dr. PLNG Rao, Pro Vice Chancellor (Quality Assurance), MAHE, Manipal
 Dr. Narayana Sabhahit, Registrar, MAHE, Manipal

Local Organizing Committee

Dr. T. Lazar Mathew, **Chairman, ICNPMA 2019**
 Dr. D Srikanth Rao, Director, MIT, MAHE, Manipal
 Dr. Sharath Kumar Rao, Dean, KMC, Manipal
 Dr. Keerthilatha M Pai, Dean, MCODS, MAHE, Manipal
 Dr. G. Arun Maiya, Dean, MCHP, MAHE, Manipal
 Dr. V. B. Kartha, MAHE, Manipal
 Dr. Deepak Mathur, JC Bose Fellow, MAHE, Manipal
 Dr. Hema Ramachandran, RRI, Bangalore and MAHE, Manipal
 Dr. K. P. Rajappan Nair, MAHE, Manipal
 Dr. Jacintha D'souza, CBS, UM-DAE, Mumbai and MAHE, Manipal
 Dr. Manna Valiathan, KMC, MAHE, Manipal
 Dr. Annamma Kurien, MMMC, MAHE, Manipal
 Dr. Arun Chawla, KMC, MAHE, Manipal
 Dr. Sulatha V. Bhandary, KMC, MAHE, Manipal
 Dr. Aswini Kumar Mohapatra, KMC, MAHE, Manipal
 Dr. G. Arunkumar, MCVR, MAHE, Manipal
 Dr. Madhukar Mallya, MMMC, MAHE, Manipal
 Dr. Kiran Chawla, KMC, MAHE, Manipal
 Dr. Satish Adiga, KMC, MAHE, Manipal
 Dr. Tom Devasia, KMC, MAHE, Manipal
 Dr. Shamee Shastri, KMC, MAHE, Manipal
 Dr. Ravikiran Ongole, MCODS, Mangalore
 Dr. Ganesh Mohan, KMC, MAHE, Manipal
 Dr. Santhosh Chidangil, MAHE, Manipal (**Convener**)
 Dr. Sajan D. George, MAHE, Manipal (**Co-Convener**)
 Dr. Unnikrishnan V.K., MAHE, Manipal
 Dr. A. Abdul Ajees, MAHE, Manipal
 Dr. Rajeev Kumar Sinha, MAHE, Manipal (**Secretary**)
 Dr. Suresh D. Kulkarni, MAHE, Manipal
 Dr. Ajeetkumar Patil, MAHE, Manipal
 Dr. Aseefhali Bankapur, MAHE, Manipal
 Ms. Surya Harikrishnan, MAHE, Manipal
 Mr. K.S Choudhari, MAHE, Manipal
 Dr. Jijo Lukose, MAHE, Manipal
 Dr. Muhammed Shameem K. M., MAHE, Manipal

International Advisory Committee

Dr. Ajay K. Sood, IISc, Bangalore, India
 Dr. Ajayaghosh, CSIR-NIIST, Thiruvananthapuram, India
 Dr. Ajayan Pulickel, Rice University, Texas, U.S.A
 Dr. Alex Vitkin, University of Toronto, Canada
 Dr. Ammasi Periasamy, University of Virginia, U.S.A
 Dr. Anand Asundi, d'Optron Pte. Ltd., Singapore
 Dr. Anil K. Razdan, LASTEC, DRDO, Delhi, India
 Dr. Ashutosh Sharma, Secretary, DST, India
 Dr. Asima Pradhan, IIT, Kanpur, India
 Dr. Dipankar Das Sarma, IISc, Bangalore, India
 Dr. G. U. Kulkarni, CeNS, Bangalore, India
 Dr. Jai Pal Mittal, Ex BARC, Mumbai, India
 Dr. Jurgen Popp, Friedrich Schiller University Jena, Germany
 Dr. Kattera A. Suresh, CeNS, Bangalore, India
 Dr. Muthukumaran Packirisamy, Concordia University, Canada
 Dr. P. K. Gupta, IIT, Delhi, India
 Dr. Patricia Nieva, University of Waterloo, Canada
 Dr. R. P. Joshi, R. I. Instruments & Innovation India, Uttarakhand, India
 Dr. Ramgopal Rao, IIT, Delhi, India
 Dr. Rohit Srivastava, IIT, Bombay, India
 Dr. Samir Kumar Pal, S. N. Bose National Centre for Basic Sciences, Kolkata, India
 Dr. Shean-Jen Chen, National Chiao Tung University, Taiwan
 Dr. T. Pradeep, IIT, Madras, India
 Dr. Valery Tuchin, Saratov University, Russia

Speakers

Dr. T. Lazar Mathew (Keynote Speaker), Chairman, ICNPMA 2019
 Dr. Ajayan Pulickel, Rice University, Texas, U.S.A
 Dr. Ammasi Periasamy, University of Virginia, U.S.A
 Dr. Ashok Hande, Fortis Hospital, Mumbai
 Dr. ChandrabhasNarayana, JNCASR, Bangalore, India
 Dr. G. Arun Maiya, Dean, MCHP, MAHE, Manipal
 Dr. Ghanashyam S. Acharya, Baylor College of Medicine, Texas, U.S.A
 Dr. Jacintha D'Souza, CBS, UM-DAE, Mumbai
 Dr. Joseph Mathew, P. I. M. E. R, Chandigarh, India
 Dr. Joshy Joseph, NIIST, Trivandrum
 Dr. Keerthilatha M. Pai, College of Dental Science, MAHE, Manipal, India
 Dr. Murukeshan Vadakke Matham, N.T.U, Singapore
 Dr. R. S. Jayasree, S.C.T.I.M.S.T, Trivandrum, India
 Dr. Reji Vargheese, IISER, Trivandrum, India
 Dr. Renu John, IIT Hyderabad, India
 Dr. Sanjeev Rai, Father Muller Medical College Hospital, Mangalore
 Dr. Santhosh Chidangil, MAHE, Manipal
 Dr. Shean-Jen Chen, NCTU, Taiwan
 Dr. Sulatha Bhandary, KMC, MAHE, Manipal, India
 Dr. T. Pradeep, IIT, Madras, India
 Dr. V. Sudhakar, DRDO, Bangalore, India

International Conference on Nanoscience and Photonics for Medical Applications

December 28 - 30, 2019

Organized by

Department of Atomic and Molecular Physics



MANIPAL
 ACADEMY of HIGHER EDUCATION

(Deemed to be University under Section 3 of the UGC Act, 1956)

Contact:

Dr. Santhosh Chidangil

Dr. Sajan D. George

Department of Atomic and Molecular Physics,
 L.G-01, Academic Block 5, MIT Campus,
 Manipal Academy of Higher Education,
 Manipal – 576 104, India

Phone: +91-0820-29-25072/73

Email: icnpma@manipal.edu

Website: <https://conference.manipal.edu/icnpma2019>

Theme of the Event:

The Nanoscience and Technology plays a key role in unravelling many concerns of health care, material sciences, energy harvesting, display devices etc. Development of miniaturized cost-effective wearable devices based nanotechnologies for the early detection of many diseases is an emerging area of research with a huge market potential. Newer and newer materials at different length scales are being developed for the better future of the humanity. Photonics, another promising area really began with the invention of the laser in 1960. Since then lasers have been used as an effective tool for a variety of applications. Photonics is a highly multidisciplinary and applied subject. Increasing use of lasers, optical fiber sensors and optoelectronic components are being used in compact devices. These developments enhance the importance of light and photonics. Laser technology and photonics are already become soul technology for many fields like healthcare, communication, networking, defense, entertainment, astrophysics and many more.

In this conference, the focus will be on the utilization of nanotechnology and photonics to understand the interaction between light and soft matter and Nano systems for medical application. Further the conference will also explore the latest approaches to develop novel techniques and materials that facilitate development of next generation devices for better health care.

**About Manipal Academy of Higher Education:**

Manipal Academy of Higher Education (MAHE) is synonymous with excellence in higher education, an Institution of Eminence conferred by MHRD, Govt. of India. The University town is nestled on a plateau in Karnataka's Udupi district. Today Manipal Academy of Higher Education has more than 22 professional institutions of medicine, engineering, management and humanities. MAHE is making a strong headway in research as well. The Department of Atomic and Molecular Physics, is a Centre for advanced research and teaching. It is on its way to become a leading Centre for research in a vast area of atomic and molecular physics consisting of biophotonics, applied nanoscience, nanobioimaging, spectroscopy of biological systems, ultra-fast photonics etc. MAHE is home to 28,000 students pursuing undergraduate, post graduate and Ph.D. programs in diverse subjects. The weather in Manipal is quite pleasant during the month of December.

**Connectivity:**

Manipal is well connected to the major Indian cities by road, rail and air. There are two main cities close to Manipal that serve as entry points - Udupi via rail and Mangalore via air. Udupi is 5 km from Manipal and Mangalore is 65 km away.

Venue:

3rd Floor, Dr. T.M.A Pai Halls, KMC, Manipal – 576 104, Udupi District, Karnataka State, India.

Topics of Interest

- Nanobioimaging
- Nanomaterials for Medical Applications
- Nano-assisted Drug Delivery
- Nanomedicine
- Advanced Bioimaging techniques
- Optical Screening and Disease Detection
- Laser tissue interactions
- Biophotonics
- Low level laser therapy
- Nanotherapeutics

Important Dates

- Last Date for Abstract Submission: 15th December, 2019
- Decision on Abstract: 20th December, 2019
- Last Date for Registration: 20th December, 2019

Registration Fee

- Industry: 5000 INR (without accommodation)
- Registration with Paper: 3500 INR (without accommodation)
- Registration without Paper: 1500 INR (without accommodation)
- Foreign Delegates: 600 USD (With accommodation)

The Registration fee includes expenses towards conference proceedings, tea/coffee served during the scientific sessions as well as the lunches during the Conference.

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

Name of the Bank: SBI, Manipal
Branch: Manipal
Beneficiary: Manipal University Conference/Workshop
Account Number: 33508958510
IFS Code: SBIN0004426

Kindly intimate your transaction details along with the registration form by email to: icnpma@manipal.edu

Registration can be also done online through the conference website: <https://conference.manipal.edu/icnpma2019>