

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.

Participating organizations:

- Manipal Academy of Higher Education, Manipal, Karnataka, India
- Indian Institute of Science Education and Research (IISER), Kolkata, India
- Science Medical Centre, International Research-Educational Centre of Optical Technologies for Industry and Medicine "Photonics", Institute of Physics, Saratov State University (SSU), Saratov, Russia
- Lomonosov Moscow State University, Russia
- Department of Physical Sciences of the Russian Academy of Sciences, Russia.
- Russian Society for Photobiology, Russia
- Skolkovo Institute of Science & Technology, Skolkovo Innovation Centre, Moscow, Russia
- Hainan University, China
- Huazhong University of Science and Technology (HUST), China
- Biomedical Photonics Committee of Chinese Optical Society
- National Institute of Science and Technology of Optics and Photonics (INOF), University of São Paulo, Brazil
- University of Johannesburg, the Republic of South Africa (RSA)
- SPIE Student Chapters of the above institutions
- OSA Student Chapter of the above institutions

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 25 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, a Centre for advanced research and teaching 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.

About Dept. of Atomic and Molecular Physics:

Department of Atomic and Molecular Physics (DAMP) is an advanced research hub and teaching department in the field of photonics, biophotonics, nanoscience, nanobiophotonics, and quantum technologies at Manipal Academy of Higher Education (MAHE), Manipal. Through government and industry funding, the department has established world-class research laboratories in these fields.



BRICS Workshop on Biophotonics – 2024 October 03–05

Organized by

**Department of Atomic and Molecular Physics
Manipal Academy of Higher Education, Manipal,
Karnataka, India**



Partnering Institutes:

**Saratov State University,
Department of Physical Sciences of the Russian Academy of Sciences
Russian Society for Photobiology, Russia
Interdisciplinary Scientific and Educational School of Photonics and quantum
Technologies, Lomonosov Moscow State University
Hainan University, Huazhong University of Science and Technology (HUST)
Biomedical Photonics Committee of Chinese Optical Society, China
National Institute of Science and Technology of Optics and Photonics (INOF)
University of São Paulo, Brazil
University of Johannesburg, RSA
Manipal Academy of Higher Education (MAHE), Manipal, Karnataka, India
Indian Institute of Science Education and Research(IISER) Kolkata,
India**

Contact: biophotonics.manipal@gmail.com

**Venue: Auditorium, Manipal School of Life Sciences (MSLS) Annex,
Silver Jubilee Block, MAHE, Manipal.**

BRICS Workshop on Biophotonics - 2024 will be held in Hybrid mode both online and offline, on 03-05, Oct. 2024, and is intended to bring together scientists, engineers and clinical researchers from the BRICS countries of various fields of science involved in the application of optics, photonics and imaging technologies to solve urgent problems of biology and medicine. The scope of this Forum ranges from basic research to instrumentation, preclinical and clinical research, mainly in those areas where researchers from the BRICS countries are world leaders. The topics are extensive and will cover (but are not limited to) the following:

- **Optical Interactions in Tissue and Cells**
- **Optical Tweezers**
- **Biomedical Spectroscopy,**
- **Advanced Optical Techniques for Clinical Medicine**
- **Microscopy and Imaging**
- **Multimodal Biomedical Imaging**
- **Nano/Biophotonics**
- **Photonic Therapeutics, Diagnostics and Instrumentations**
- **Tissue Optical Clearing and Drug Delivery**
- **Antimicrobial and Antivirus Phototherapies**

The official language of the meeting is English.

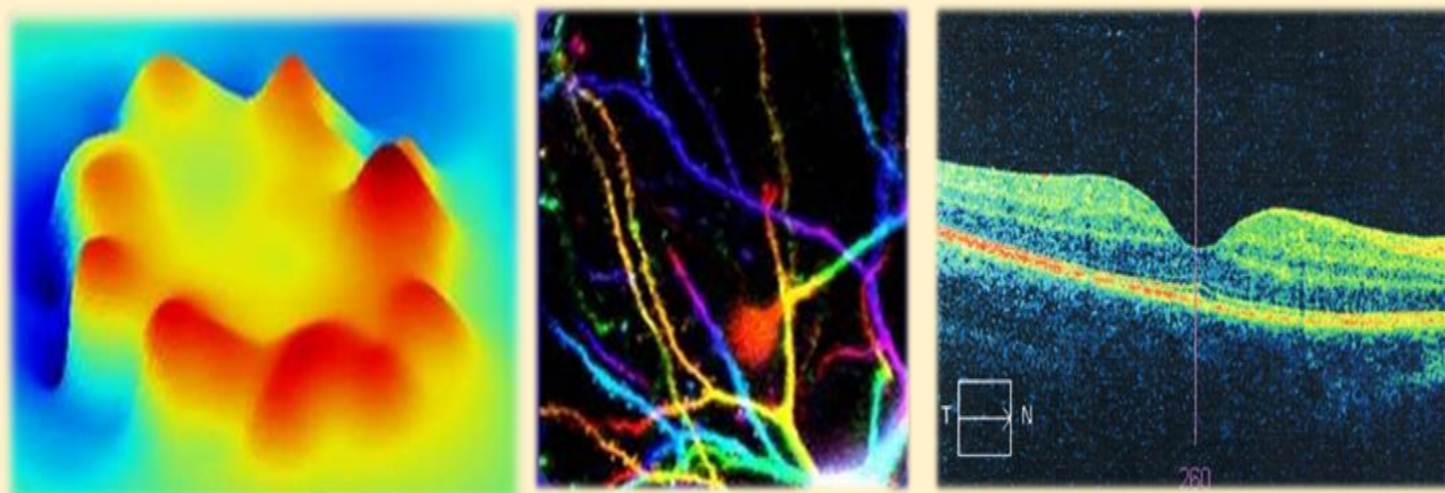
Submission of a short abstract (200-300 words): 20th September, 2024

Registration fee: Foreign Delegates 500 USD (Student delegates 250 USD)
Rs. 7000 for senior researchers (who have completed PhD)
Rs. 10000 for Industry
Rs. 3000 for students (Pursuing PhD, M.Sc. Etc.)
(3 days (October 2-4) of local hospitality)
MAHE participants: Rs. 1000

Conference papers will be published in:

- Taylor & Francis / Springer Journal
- Journal of Biomedical Photonics & Engineering

All papers will be subjected to the normal refereeing process for the journals.



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