



# BRICS Workshop on Biophotonics -2021

**SEPTEMBER 27 -29, 2021, SARATOV, RUSSIA**

## Organized by

- ✓ Saratov State University (National Research University of Russia) (SSU)
- ✓ 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
- ✓ Centre of Excellence for Biophotonics, Department of Atomic and Molecular Physics, Manipal Academy of Higher Education, India
- ✓ University of Johannesburg, the Republic of South Africa (RSA)
- ✓ Science Medical Center, SSU
- ✓ International Research-Educational Center of Optical Technologies for Industry and Medicine "Photonics", SSU
- ✓ SPIE Student Chapter of SSU
- ✓ OSA Student Chapter of SSU

## Chairs:

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**Qingming Luo**, Hainan University, China

**Vanderlei Salvador Bagnato**, University of São Paulo, Brazil

**Santhosh Chidangil**, Manipal Academy of Higher Education, India

**Heidi Abrahamse**, University of Johannesburg, RSA

## Secretaries:

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**Renu John**, Indian Institute of Technology, Hyderabad, India



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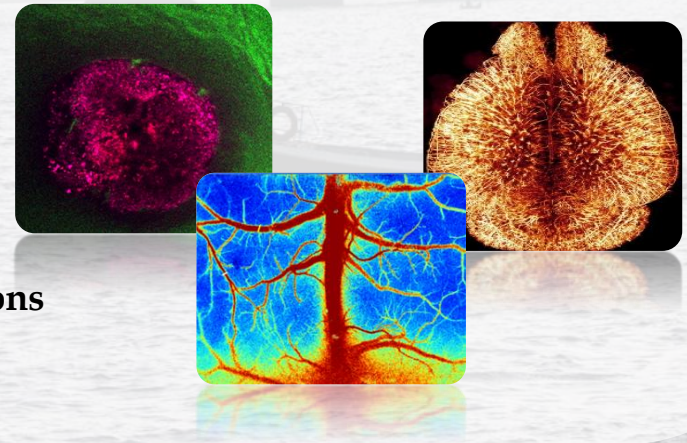
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**Organizing/Program Committee:** Ivan V. Fedosov, Anton A. Dyachenko, Elina A. Genina, Isabella A. Serebryakova, Michael M. Slepchenkov, Daria K. Tuchina (SSU, Russia); Dmitry A. Gorin (Skoltech, Russia); Dan Zhu (HUST, China), Qian Liu (Hainan University, China); Cristina Kurachi, Sebastião Pratavieira, Fernanda Alves, Lucas Danilo Dias (University of São Paulo, Brazil); Nirmalya Gosh (Indian Institute of Science Education and Research, Kolkata, India), Nirmal Mazunder (Manipal Life Science Centre, MAHE, Manipal, India), Jijo Lukose (Department of Atomic and Molecular Physics, MAHE, Manipal, India); Michael R Hamblin (University of Johannesburg, RSA)

**BRICS Workshop on Biophotonics - 2021** will be held online, on 27-29, Sept. 2021, 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**
- ✓ **Biomedical Spectroscopy, Microscopy and Imaging**
- ✓ **Advanced Optical Techniques for Clinical Medicine**
- ✓ **Multimodal Biomedical Imaging**
- ✓ **Nano/Biophotonics**
- ✓ **Photonic Therapeutics, Diagnostics and Instrumentations**
- ✓ **Tissue Optical Clearing and Drug Delivery**
- ✓ **Antimicrobial and Antivirus Phototherapies**



Official language of the meeting is English.

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# BRICS Workshop on Biophotonics -2021

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Conference papers will be published as:

- ✓ Proceedings of BRICS Workshop on Biophotonics - 2021
- ✓ SPIE Proceedings (3 volumes)
- ✓ Journal of Biomedical Photonics & Engineering
- ✓ Quantum Electronics (Russian/English)
- ✓ Optics and Spectroscopy (Russian/English)
- ✓ Nonlinear Applied Physics (Russian/English)
- ✓ Journal of Biomedical Optics
- ✓ Optical Engineering
- ✓ MDPI Materials
- ✓ MDPI Photonics

All papers will be subjected to the normal refereeing process for the journals. For special issue of **Quantum Electronics** manuscripts should be submitted not later than **September 15, 2021**; for **SPIE Proceedings**, **Optics and Spectroscopy**, **Proceedings "Optical Physics and Biophotonics"** - not later than **November 30, 2021**. All participants are also invited to submit papers to the following special issues of MDPI Journals

*[https://www.mdpi.com/journal/materials/special\\_issues/Feature\\_Paper\\_Optics\\_Photonics](https://www.mdpi.com/journal/materials/special_issues/Feature_Paper_Optics_Photonics)*

*[https://www.mdpi.com/journal/materials/special\\_issues/advanced\\_biophotonics\\_applications](https://www.mdpi.com/journal/materials/special_issues/advanced_biophotonics_applications)*

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