## **Optics & spectroscopy Special section on Biophotonics**

This special section is devoted to topical problems in the fields of optical radiation – biological media interactions, as well as applications of laser and optical technologies in biology and medicine. The scope of work includes (but is not limited by) the following areas:

- Fundamental and applied problems of the interaction between electromagnetic waves and biological tissues, cells, and molecules.
- Effects of elastic, quasi-elastic and inelastic light scattering, nonlinear light conversion in tissues.
- Methods of immersion and compression optical clearing of tissues in a broad spectral range.
- Different modalities of spectroscopy, imaging, microscopy, and sensing of biological media, including the polarization-sensitive and multimodal ones.
- Modern laser and optical technologies and methods in medical diagnostics, therapy, and surgery.
- Nanobiophotonics and manipulation of particles and cells with light.
- Exposure of biological tissues to electromagnetic waves, as well as optical radiation dosimetry.
- Innovative advanced functional materials for optics and biophotonics.

Participants of the Saratov Fall Meeting 2023 (SFM'23, URL: <u>https://sfmconference.org/</u>) and everyone interested are invited to submit their paper.

Both research and review papers are considered, while the topic of a review paper should be approved *a priori* via E-mail by the Guest Editors.

Papers should be sent to the Guest Editors directly. Please, do not submit it to the journal stuff.

The manuscript should be prepared following the guidelines from the journal's website (URL: <u>https://journals.ioffe.ru/journals/rules/5</u>) and then submitted to the Guest Editors together with a list of suggested (at least, three persons, with their full name, affiliations, and E-mail indicated).

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**Submission deadline** December 1, 2023