

Optics and spectroscopy

Special section "Biophotonics"

This special section is devoted to topical problems in the field of interaction of optical radiation with biological media and the use of laser and optical technologies in biology and medicine. The scope of work includes, but is not limited to the following areas:

- Fundamental and applied problems of the interaction of electromagnetic radiation with biological tissues, cells and biomolecules.
- Effects of elastic, quasi-elastic and inelastic light scattering, nonlinear light conversion in biological tissues and their optical clearing.
- Spectroscopy of biological media, including polarization spectroscopy.
- Methods of optical and multimodal imaging.
- Modern laser and optical technologies in medical diagnostics, therapy and surgery.
- Optical methods in various fields of biology and medicine.
- Nanobiophotonics and manipulation of particles and cells with light.
- Exposure biological tissues to electromagnetic radiation and optical radiation dosimetry.
- New optical functional materials for biophotonics.

Participants of the Saratov Fall Meeting 2021 (SFM'21) <https://sfmconference.org/> and everyone interested are invited to submit paper.

Authors interested in submitting a review article must first agree on its topic with the invited editors by sending an abstract of the work by e-mail.

Papers should be sent to all Guest Editors. Authors should submit a list of potential Reviewers of the manuscript (at least three), indicating their full name, affiliation and e-mail to Editors.

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