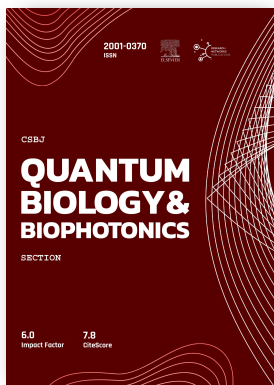


CSBJ: Quantum Biology and Biophotonics




CSBJ: *Quantum Biology and Biophotonics Section* places a strong transdisciplinary emphasis on understanding biological systems that potentially harness quantum-mechanical processes. This section also focuses on the development and application of optics and photonic tools, methods, and technologies to address questions in quantum biology and its implications for biomedical and health sciences. Studies based on experimental approaches, computational simulations, and theoretical developments that are focused on this emphasis are welcome but are not a prerequisite for publication in this section.

Specific areas of interest include but are not limited to:

- Quantum effects in biological molecules and biomolecular systems that include photosynthesis, enzymology, DNA, vision, magnetoreception, cell biology, brain science, olfaction, chromoproteins, ion channels, weak magnetic effect and spin-dependent chemical reaction, chiral-induced spin selectivity, to name a few.
- Quantum biology of reactive oxygen species signalling.
- Bio-inspired photonic quantum technology.
- Quantum sensing technologies for biomedical sciences.
- Coherence and decoherence in biological systems.
- Coherence multidimensional spectroscopy.
- Applications of single photons in biology and biophotonics.
- Sensing and imaging techniques for quantum biology.
- Theoretical physics and computational chemistry for quantum biology.
- Implications of quantum biology for biomedical and health sciences.
- Bioelectronics.
- Biophotonics instrumentation, sensors, and point-of-care devices.
- Optogenetics and other optical methods of manipulating cellular behaviour.
- Optical microscopy, spectroscopy, tomography, and bioimaging.
- Microfluidic devices.
- Mathematical modelling of light propagation in biological materials and tissue response.
- Data processing methods, machine learning, and artificial intelligence as applied in biophotonics.
- Computational methods relevant to understanding and interpreting optical measurements.

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Introducing a new article type “Innovation Reports”: A Nexus for Sharing Collaborative Project Outcomes

We are pleased to announce the introduction of a new article type “Innovation Reports” in *CSBJ: Quantum Biology and Biophotonics Section*. As part of our commitment to providing diverse and innovative content, we are introducing a new article type called “Innovation Reports” to provide a venue for results from the projects funded by public grants, private grants, and large framework programmes.

We invite manuscripts from project consortia and/or specific beneficiaries to disseminate their project results through our open-access journal via “Innovation Reports”. They offer a summary of achievements and potential of the results obtained and aim to stimulate new ideas and collaborative initiatives.

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- Offer a succinct overview of research or innovation projects.
- Share outcomes and disseminate the tangible impact of funded initiatives and multi-stakeholder ventures.
- Highlight the collaboration between academia and industry.
- Swiftly provide your insights and collaboration outcomes to the wider community.

From project consortia to visionary beneficiaries, Innovation Reports encapsulate the essence of partnership-driven research, offering a window into achievements, potentials, and prospects.

We believe that “Innovation Reports” will provide a valuable addition to *CSBJ: Quantum Biology and Biophotonics Section*, and we encourage our readers and contributors to submit manuscripts for consideration. We hope that the introduction of this new article type will enhance the quality and diversity of the content published in our journal, and we look forward to receiving your submissions.

Innovation Reports provide a platform for researchers, project consortia, and individuals engaged in academia-industry partnerships to share the outcomes of their joint endeavors. These reports will also serve as a medium for disseminating the results and achievements arising from initiatives funded by grants or supported by national/international funding agencies.

- Dr. Gupta Udatha, Managing Editor, CSBJ