

The NEW Expanded Scope of the Journal of Fluorescence

The *Journal of Fluorescence* is an international forum for the publication of peer-reviewed original articles that further advance the practice of this well-established spectroscopic technique.

Topics covered include advances in:

- The principles and theory of fluorescence
- Steady-state or time-resolved measurements/instrumentation
- Data treatment, analysis, and software development
- Fluorescence microscopy and imaging, e.g., confocal, non-linear, multiphoton FLIM, SNOM etc.
- Photobleaching and recovery methods, e.g., FRAP
- Single molecule detection/imaging, and correlation spectroscopy
- Phosphorescence techniques

for studies of:

- The synthesis, characterization; and photophysics of new/novel aromatic probes, microbeads, metal ligand complexes/probes, metal-fluorophore nanocomposites and lanthanides, etc., and their environmental, solvent effects/dependencies, optical properties, and/or unique sensitivities
- Cell biology/gene expression
- Chemical/photo biology, e.g., intracellular chemistry, and bioenergetics
- Membrane biophysics and molecular biophysics
- Biological and tissue fluorescence
- Photochemical natural and industrial processes, e.g., isomerizations, rearrangements, photo-

sensitized/addition/cyclization reactions, charge, and electron transfer

- Immunology
- Macromolecular dynamics, structure and conformation (inorganic, organic, and biological), e.g., membrane protein structure, protein misfolding, polymer/sol-gel morphology, etc.

with applications in/to:

- Analytical techniques and standardization procedures for medicine and industry
- Fluorescence sensing, e.g., lifetime/polarization, for analytes, trace gases, glucose etc., assays, array sensors and GFPs
- Flow cytometry and flow analysis
- High-throughput screening, drug discovery
- DNA sequencing, DNA arrays, molecular beacons
- Genomics
- Proteomics
- Microfluidics

The *Journal of Fluorescence* readily publishes:

- Editorials
- Regular papers/conference papers
- Invited reviews/regular review articles
- Rapid and short communications
- Topical news articles (< 2 journal pages)
- Technical and design notes (< 1500 words)
- Letters to the editor (< 1000 words)

Chris D. Geddes

Editor: *The Journal of Fluorescence*

Technical and Design Notes

The *Journal of Fluorescence* now publishes a new class of articles called “*Technical and Design Notes*.” These new-additions to the *Journal* must satisfy the following criteria:

- The article should present technical details of fluorescence-based procedures (standardization or analytical) or stationary or time-resolved instrumentation, design considerations, or substantial developments in software development, such as in analysis.
- Articles describing the synthesis and characterization of new fluorophores, particularly those displaying unique sensitivities and/or optical properties, and advances in labeling procedures are welcome.
- The article should be of wide interest to the fluorescence community and must not be published or under consideration elsewhere.
- The article must fit within the general guidelines and scope of the *Journal of Fluorescence*.
- The article should be typically less than 1500 words, ≤ 5 figures, ≤ 2 tables with typically ≤ 20 references.
- The article should have the general structure, Title, Authors, Affiliations, Abstract ≤ 150 words, Keywords ≤ 5 , Main Text, References. See March 2002 issue, pp. 113–117 for example.

Technical and Design Notes are peer-reviewed, receiving only one review designated by the coordinating editorial board member, the founding editor or editor respectively. Authors are encouraged to contact the editor if unsure about the suitability of potential manuscripts.

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