

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 measurement/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 and so on 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 mis/folding, 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, and so on; 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 (totaling <2 journal pages)
- technical and design notes (<1500 words)
- letters to the editor (<1000 words)

Chris D. Geddes

Editor: *Journal of Fluorescence*