

Special Issue

Optical Properties of Sol-Gel Derived Materials and Thin Film Structures

Message from the Guest Editors

Low-cost sol-gel technology receives significant attention for photonics applications. This special issue invites manuscripts that introduce the recent advances in sol-gel-derived optical materials and microstructures. Topics include, but are not limited to the following:

- Luminescence of lanthanides and transition metals from sol-gel-derived powders and thin films
- Materials and coatings with upconversion luminescence for solar cells
- Enhanced luminescence of lanthanides from microcavities: Stokes and anti-Stokes (upconversion luminescence)
- X-ray convertors and scintillators
- Photonic band gap materials and sol-gel derived materials in porous matrices.
- Optical filters
- Optical properties of conductive transparent coatings
- Sol-gel-derived planar waveguides
- Optical properties of sol-gel-derived glasses
- Porous materials for photocatalysis
- Optical sensors

Guest Editors

Prof. Dr. Nikolai Gaponenko

Prof. Dr. Raghavan Subasri

Prof. Dr. Wiesław Stręk

Deadline for manuscript submissions

closed (30 November 2023)



Photonics

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 2.6



mdpi.com/si/139654

Photonics
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

[mdpi.com/journal/
photonics](https://mdpi.com/journal/photonics)





Photonics

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 2.6



[mdpi.com/journal/
photonics](https://mdpi.com/journal/photonics)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of
Adelaide, Adelaide, SA 5005, Australia

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei
Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Optics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 14.9 days after
submission; acceptance to publication is undertaken in 1.9
days (median values for papers published in this journal in
the second half of 2024).