Special Issue

Matter-Radiation Interactions— In Memory of Professor Francesco Saverio Persico

Message from the Guest Editors

This Special Issue is dedicated to the memory of our colleague and friend Professor Francesco Saverio Persico, who passed away in 2017. He has been Professor of Theoretical Physics at the University of Palermo, Italy. He has given fundamental contributions to theoretical condensed matter physics, quantum optics, quantum electrodynamics, atomic and molecular physics. This Special issue will include original papers and review papers on subjects related to the research fields where Prof. Persico has been active, mainly atomradiation interaction, quantum vacuum fluctuations. Casimir and Casimir-Polder interactions, radiationmediated intermolecular interactions, spin-phonon interactions, atomic and molecular physics in strong external electromagnetic fields, high harmonic generation and nonlinear quantum mechanics, laser interaction with molecules and nanomolecules, superradiance, and in general in the fields of quantum optics and quantum electrodynamics, atomic and molecular physics, as well as condensed matter physics. All these research subjects are still very active subjects of the current research in theoretical and experimental physics.

Guest Editors

Prof. Dr. Pietro Paolo Corso

Prof. Dr. Roberto Passante

Dr. Lucia Rizzuto

Deadline for manuscript submissions

closed (31 August 2024)



Physics

an Open Access Journal by MDPI

Impact Factor 1.8 CiteScore 3.1



mdpi.com/si/149972

Physics Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 physics@mdpi.com

mdpi.com/journal/ physics





Physics

an Open Access Journal by MDPI

Impact Factor 1.8 CiteScore 3.1



About the Journal

Message from the Editor-in-Chief

Physics plays a crucial role in our understanding of the world and is of huge significance for the development of other sciences. This ensures that physics is always attracting heightened attention and is at the center of human interest. Physics is devoted to all aspects of physics and looks into news and progress of modern physics, seeking new horizons and future discoveries. The journal aims to provide an advanced forum for discussion of contemporary problems in physics and its development.

Editor-in-Chief

Prof. Dr. Edward Sarkisyan-Grinbaum

- 1. Experimental Physics Department, CERN, 1211 Geneva 23, Switzerland
- 2. Department of Physics, The University of Texas at Arlington, Arlington, TX 76019, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, INSPIRE, Astrophysics Data System, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.9 days after submission; acceptance to publication is undertaken in 20.7 days (median values for papers published in this journal in the first half of 2025).

