# Special Issue

# Interaction of Electrons with Atoms, Molecules and Surfaces

## Message from the Guest Editor

For this Special Issue we invite original contributions covering all aspects of electron interaction with atoms, molecules and surfaces such as:

Electron collision-induced physical, chemical and biological reactions;
Ultrafast dynamics;
Transmission and reflection mode electron spectroscopy of solids;
Electron Rutherford backscattering spectroscopy;
Collective as well as single-particle excitation and ionization;
Electron–electron correlation effects in atoms, molecules and solids;
Excitation and single and multiple ionization of various targets;
Energy loss, scattering and channeling of primary particles;
Electron emission processes.

The contributions may include new theoretical or computational approaches, new experimental techniques, electron spectroscopy data, calculations and measurements of various processes. The goal is to provide an overview of current research in the field, of new insights, developments, applications and open problems.

## Guest Editor

Prof. Dr. Károly Tőkési
Institute for Nuclear Research (ATOMKI), H-4001 Debrecen, Hungary

## Deadline for manuscript submissions

closed (15 December 2022)

**Atoms**

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**Impact Factor 1.5**
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# About the Journal

## Message from the Editor-in-Chief

The scope of *Atoms* is deliberately wide and encompasses a large part of theoretical and experimental atomic,
molecular, nuclear, and chemical physics in order to encourage cross-disciplinary connections, while supporting the more traditional idea of individual subfields. The journal is also interested in papers concerning
the computation and compilation of data related to applications in the above areas. Details of experimental methods and codes are welcome. Your research is taken seriously and peer-reviewed with care. I encourage you
to contact me or any of the Editorial Board Members for further information.

## Editor-in-Chief

Prof. Dr. Pascal Quinet
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