



atoms

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Deadline for manuscript
submissions:

closed (30 November 2018)

Message from the Guest Editors

Dear Colleagues,

This Special Issue covers a wide range of topics from fundamental studies to applications of ionized gases. It is dedicated to 4 focusing points: 1. ATOMIC COLLISION PROCESSES (electron and photon interactions with atomic particles, heavy particle collisions, swarms and transport phenomena); 2. PARTICLE AND LASER BEAM INTERACTION WITH SOLIDS (atomic collisions in solids, sputtering and deposition, laser and plasma interaction with surfaces); 3. LOW TEMPERATURE PLASMAS (plasma spectroscopy and other diagnostic methods, gas discharges, plasma applications and devices) and 4. GENERAL PLASMAS (fusion plasmas, astrophysical plasmas and collective phenomena). This Special Issue of *Atoms* will highlight the need for continuing research on the ionized gases physics in different range of topics from fundamental studies to applications and will review present investigation.



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Special Issue



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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.

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