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## Laser Plasma Spectroscopy Applications

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Deadline for manuscript submissions:

**closed (30 September 2019)**

### Message from the Guest Editors

Dear Colleagues,

For this Special Issue the following topics are invited for contribution as original research and theoretical papers, but not limited to:

- High resolution, broad band, optical analysis and characterization
- Analysis of the constituents in solid-state materials
- Time-resolved pump-probe measurements
- Nonlinear spectroscopy and imaging, including: multiphoton fluorescence, second and third harmonic generation, et c.
- Optical characterization and chemical composition analysis of liquid and gas phases of constituents of a medium
- Spectroscopy to elucidate combustion and plasma physics
- Diagnostics of chemical processes and phenomena
- Spectral imaging, including nanoparticle-enhanced spectroscopy

The overall aim of this feature issue is a healthy distribution of contributed research and invited, review-type papers that expand on the fundamentals and novel results of particular spectroscopy applications. The feature issue is envisioned to provide both review and current state-of-the-art research engagements of various groups around the globe.

Prof. Dr. Christian Parigger  
Prof. Dr. Robert Splinter  
Guest Editors



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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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