Special Issue

Atmospheric Pressure Plasma Technologies and Applications

Message from the Guest Editors

In recent years, a large variety of plasma sources operating at atmospheric pressure have been developed. Plasma technology is gaining great attention as a “green” alternative, reducing the use of chemicals in many processes such as nanomaterials synthesis, surface treatment, disinfection, wound healing, and seeds decontamination. Since plasma is a complex system of charged particles (electrons and ions), chemically highly reactive radicals, excited atoms, and electromagnetic radiation including UV, the synergetic action of all these components makes plasma-based processes highly efficient and “clean” at the same time. This Special Issue focuses on recent advances in atmospheric pressure plasma technologies and applications. You are invited to submit cutting-edge research, theoretical and experimental studies, as well as comprehensive reviews in this field:

- atmospheric pressure plasma
- plasma technology
- plasma applications
- cold atmospheric pressure plasma
- bio-medical plasma applications
- plasma in agriculture
- plasma technology in nanomaterials
- plasmas with liquids

Guest Editors

Dr. Evgenia Benova

Plasma Technology Laboratory, Clean&Circle Center of Competence, University of Sofia, BG-1111 Sofia, Bulgaria

Prof. Dr. Frantisek Krcma

Department of Physical and Consumer Chemistry, Faculty of Chemistry, Brno University of Technology, 61200 Brno, Czech Republic

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

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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