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# Application of Plasma and Pulsed Power Technology in Agriculture and Food Processing

Guest Editors:	Message from the Guest Editors
Prof. Dr. Koichi Takaki	Dear Colleagues,
Prof. Dr. Nobuya Hayashi	This Special Issue is mainly focused on following topics: 1)
Dr. Douyan Wang	pulsed-power generators and plasma devices for agriculture and food processing; 2) innovative and novel
Prof. Dr. Takayuki Ohshima	applications of high-voltage and plasma in agriculture; 3) interactions between pulse-electric fields (or plasma) and metabolism of plants; 4) inactivation of pathogenic bacteria; and 5) maintaining the freshness of agricultural
Deadline for manuscript submissions: <b>30 June 2024</b>	products.

## Keywords

- pulsed power
- plasma
- pulse electric field
- food processing
- enzyme activity control
- food preservation
- plant hormone control
- seed germination
- plant growth promotion
- bacteria inactivation





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### Message from the Editor-in-Chief

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