



**energies**



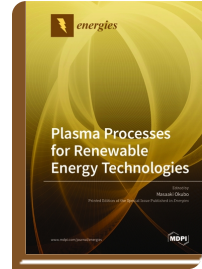
*Special Issue Reprint*

## **Plasma Processes for Renewable Energy Technologies**

[www.mdpi.com/books/reprint/1923](http://www.mdpi.com/books/reprint/1923)

Edited by  
Masaaki Okubo

ISBN 978-3-03921-972-8 (Softback)  
ISBN 978-3-03921-973-5 (PDF)



The use of renewable energy is an effective solution for the prevention of global warming. On the other hand, environmental plasmas are one of powerful means to solve global environmental problems on nitrogen oxides, (NO<sub>x</sub>), sulfur oxides (SO<sub>x</sub>), particulate matter (PM), volatile organic compounds (VOC), and carbon dioxides (CO<sub>2</sub>) in the atmosphere. By combining both technologies, we can develop an extremely effective environmental improvement technology. Based on this background, a Special Issue of the journal *Energies* on plasma processes for renewable energy technologies is planned. On the issue, we focus on environment plasma technologies that can effectively utilize renewable electric energy sources, such as photovoltaic power generation, biofuel power generation, wind turbine power generation, etc. However, any latest research results on plasma environmental improvement processes are welcome for submission. We are looking, among others, for papers on the following technical subjects in which either plasma can use renewable energy sources or can be used for renewable energy technologies:

- Plasma decomposition technology of harmful gases, such as the plasma denitrification method;
- Plasma removal technology of harmful particles, such as electrostatic precipitation;
- Plasma decomposition technology of harmful substances in liquid, such as gas-liquid interfacial plasma;
- Plasma enhanced flow induction and heat transfer enhancement technologies, such as wind device and plasma actuator;
- Plasma enhanced combustion and fuel reforming;
- Other environment plasma technologies.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/1923](http://www.mdpi.com/books/reprint/1923)

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



### **Open Access**

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



### **Author Focus**

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



### **High Quality & Rapid Publication**

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



### **High Visibility**

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



### **Print on Demand and Multiple Formats**

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.