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Advances in Sustainable Energy Materials and Devices

Guest Editors:

Dr. Mansour Al Qubeissi

Department of Mechanical Engineering, College of Engineering and Technology, University of Doha for Science and Technology, Doha 24449, Qatar

Prof. Dr. Awni Al-Otoom

College of Engineering and Technology, University of Doha for Science and Technology, Doha 24449, Qatar

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Message from the Guest Editors

Modern human activities are strongly associated with energy availability. However, high demands for energy have exceeded conventional energy resources (such as fossil fuels) and increased pollution, leading to risks centered around greenhouse gas emissions and global poverty. Such challenges stimulate interests in sustainable and clean energy generation and storage systems, which can be envisaged and guided using a variety of materials, resources, and technologies. Some renewable energy harvesting can be designed and implemented using smart techniques and lightweight materials. For instance, batteries can be thermally managed for clean energy storage and smart organic materials can be used for sustainability. Our Special Issue will showcase investigations centered around the development and bridging of sustainable energy technologies. Original research findings in this field will be reviewed and organized to shed light on the benefits of these recent developments, and to provide a critical analysis of current state-of-the-art technologies. All articles featured in this Special Issue will be free to view to maximize readability and benefit the public.



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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