

Special Issue

Exploring Superabsorbent Material and Soil Water Retention on the Sustainable Environment Perspective

Message from the Guest Editors

Superabsorbent materials have ability to retain large amounts of water and their liquids. Over the years, many studies have confirmed the positive effect of superabsorbent materials on soil water content, crop production or at all on supporting vegetation. However, their biodegradability in soil may vary from months to years. The present Special Issue aims to discuss all aspects of the sustainable environment perspective of superabsorbent materials used as soil amendments. All aspects regarding innovative superabsorbent materials, biodegradability over time, role of soil microorganisms, soil load, soil porosity, permeability coefficient, modeling of superabsorbent materials on soil parameters, and crop production are welcome. Full articles, short communications, or review articles in topics related to superabsorbent materials and their impact on sustainable environment are expected. This Special Issue is a good opportunity for researchers from different areas to present their research and to contribute to the establishment of more detailed links between efficiency, advantages, and disadvantages of using superabsorbent materials as soil amendments.

Guest Editors

Dr. Krzysztof Lejcuś

Institute of Environmental Engineering, Wrocław University of Environmental and Life Sciences, Pl. Grunwaldzki 24, 50-363 Wrocław, Poland

Dr. Agnieszka Medyńska-Juraszek

Institute of Soil Science, Plant Nutrition and Environmental Protection, Wrocław University of Environmental and Life Sciences, ul. Grunwaldzka 53, 50-357 Wrocław, Poland

Deadline for manuscript submissions

closed (15 October 2022)



Sustainability

an Open Access Journal
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Impact Factor 3.3
CiteScore 7.7



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

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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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