

**Special issue on the 3rd International Conference  
Strategies toward Green Deal Implementation –  
Water, Raw Materials and Energy  
(ICGreenDeal2022)  
5–7 December 2022, Cracow, Poland (held online)**

**Preface**

One of the greatest challenges of modern civilisation is the progressing climate change, which is accelerated by intensive human activity. Climate change directly affects the global availability of the most important elements for the functioning of economies - water, raw materials and energy. Sustainable water management, implementation of circular solutions in the use of raw materials, as well as the use of alternative energy sources allow us to adapt to climate change and influence its course more effectively. Therefore, these three key elements became the theme of an international conference devoted to the exchange of knowledge on sustainable and circular practices within the framework of the green deal strategies.

The Special Issue in the world-renowned scientific journal *Desalination and Water Treatment* (DWT) contains a set of peer-reviewed papers that were presented during the 3rd International Conference “Strategies toward Green Deal Implementation – Water, Raw Materials and Energy” (ICGreenDeal2022). For the third time, the conference was organised as an online event, thanks to which the participation of experts from all over the world was possible. The conference, that took place 5–7 December 2022 (online) was organised by the Division of Biogenic Raw Materials at the Mineral and Energy Economy Research Institute of the Polish Academy of Sciences. The conference received funding from the Ministry of Education and Science (Ministerstwo Edukacji i Nauki) under the program “Excellent Science – Support for Scientific Conferences” (Doskonała Nauka – Wsparcie Konferencji Naukowych).

This Special Issue presents 20 papers, which are dedicated to the sustainable management of water resources, in accordance with the recommendations contained in the green deal strategies. These papers focus on both the management of water resources from primary sources and the management of waste water generated after water use.

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*Guest Editor*  
Associate Professor, Dr. Marzena Smol  
Head of Division of Biogenic Raw Materials  
Mineral and Energy Economy Research Institute,  
Polish Academy of Sciences  
Wybickiego 7A str., 31-261 Cracow, Poland  
Tel. +48 12 617 16 60, +48 695 922 722  
E-mail smol@meeri.pl