



Special Issue Reprint

Sustainable Wastewater Management and Treatment

www.mdpi.com/books/reprint/6057

Edited by José Luis Campos Anuska Mosquera Corral Ángeles Val del Río Alba Pedrouso Fuentes

ISBN 978-3-0365-4988-0 (Hardback) ISBN 978-3-0365-4987-3 (PDF)



Although the original goal of wastewater treatment plants (WWTPs) was to remove pollutants from human and industrial effluents to protect both human health and ecosystems, new challenges are faced today, with the aim to assure the sustainability of WWTPs in terms of both reducing their environmental impact and integrating them into the urban circular economy. For these reasons, energy consumption and greenhouse gas emissions are among the aspects that should become key factors concerning the overall performance of WWTPs. Additionally, wastewater should be considered a valuable resource from which energy, clean water, nutrients, and value-added products can be extracted or produced to close material cycles.

To achieve these future goals, not only is the development of new technologies and processes necessary, as is a paradigm shift in wastewater management. In this sense, the separation of different domestic wastewater streams and decentralization of wastewater treatment are recognized as the most promising concepts to promote local recycling and reuse of resources contained in domestic wastewater.

This Special Issue of *Sustainability* aims to report the latest developments in sustainable wastewater management and treatment.



Order Your Print Copy You can order print copies at www.mdpi.com/books/reprint/6057

MDPINBOOKS Publishing Open Access Books & Series

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.



ᆔ

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.

MDPI AG Grosspeteranlage 5 4052 Basel Switzerland Tel: +41 61 683 77 34 www.mdpi.com/books books@mdpi.com

