



hydrology



Special Issue Reprint

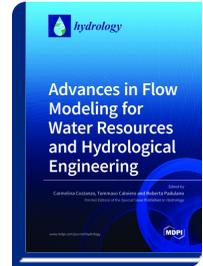
Advances in Flow Modeling for Water Resources and Hydrological Engineering

www.mdpi.com/books/reprint/6677

Edited by
Carmelina Costanzo
Tommaso Caloiero
Roberta Padulano

ISBN 978-3-0365-6512-5 (Hardback)

ISBN 978-3-0365-6511-8 (PDF)



Water resource systems planning and management issues are often very complex. The pressures on water resources are increasing with the expanding scale of global development involving ecological and hydrological consequences in river basins and groundwater aquifers, and water-quality deterioration. All this leads to the increasing need for investigating the effects of different human influences and impacts on the hydrological regime and on water quality like as land-use changes, climatic variability and climate changes, and intensified water and land-use practices. The Special Issue “Advances in Flow Modeling for Water Resources and Hydrological Engineering” presents a collection of scientific contributions that provides a sample of the state-of-the-art and forefront research in this field. In particular, basin-wide water resources planning, watershed management, flood forecasting, droughts, climate change impacts on flood risk and water resources, reservoir operation and management, river morphology and sediment transport, river water quality, and irrigation were the main research and practice targets that the papers published in this Special Issue aimed to address.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/6677

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.