



*fluids*



*Special Issue Reprint*

## **Environmental Hydraulics, Turbulence and Sediment Transport, 2nd edition**

[www.mdpi.com/books/reprint/9420](http://www.mdpi.com/books/reprint/9420)

Edited by

Jaan H. Pu

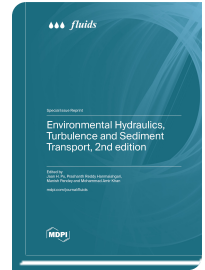
Prashanth Reddy Hanmaiahgari

Manish Pandey

Mohammad Amir Khan

ISBN 978-3-7258-1427-5 (Hardback)

ISBN 978-3-7258-1428-2 (PDF)



In the search for sustainable city solutions, engineers face a bottleneck situation in balancing development and the intensified environmental challenges induced by scaled-up flooding, over-grown river vegetation, sediment transport, bridge and coastal scouring, and excessive pollution. The coupling impacts of uncontrolled flood and sediment to a city has caused difficulty in its management. Various numerical, theoretical, and experimental approaches have been proposed to reproduce flow and sediment transport conditions in real-world urban rivers, in order to perfect management strategies for them. This reprint, which is built from a well-planned journal's Special Issue, aims to construct a collection of state-of-the-art studies and technologies to give insights to the related environmental, river, and sustainable city research and engineering communities. It is related and, hence, useful for environmental, river, and hydraulic engineers, authorities, and researchers to understand the current state-of-the-art practices in urbanized flow modelling, as well as vegetation- and sediment-related management. It also serves as a good knowledge source for research, post- or undergraduate students, in terms of knowledge about the most up-to-date topical advances.



Order Your Print Copy

You can order print copies at

[www.mdpi.com/books/reprint/9420](http://www.mdpi.com/books/reprint/9420)

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.