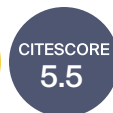


*processes*



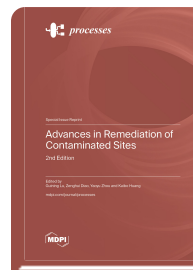
*Special Issue Reprint*

## **Advances in Remediation of Contaminated Sites**

[www.mdpi.com/books/reprint/12042](http://www.mdpi.com/books/reprint/12042)

Edited by  
Guining Lu  
Zenghui Diao  
Yaoyu Zhou  
Kaibo Huang

ISBN 978-3-7258-6163-7 (Hardback)  
ISBN 978-3-7258-6164-4 (PDF)



This Reprint compiles 24 cutting-edge studies on contaminated site remediation, covering four core areas: pollution characterization and risk assessment, environmental fate of pollutants, remediation technology, and review articles with bibliometric analysis. It explores diverse scenarios including industrial zones, mining areas, agricultural lands, drinking water sources, and tailings ponds. Key advances include rapid pollution detection via multi-source spectral fusion and machine learning, revelation of plant-microbe adaptive mechanisms in polluted environments, development of high-performance materials (e.g., modified biochar, nanoflower-like oxides), and intelligent optimization of remediation strategies. The collection reflects interdisciplinary integration and practical application, addressing challenges like compound pollution and technology scaling. It serves as a valuable resource for researchers, engineers, and policymakers, advancing sustainable management of contaminated sites worldwide.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/12042](http://www.mdpi.com/books/reprint/12042)

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.