



Bio-Degradation and Bio-Remediation of Environmental Pollutants

Guest Editor:

**Dr. Mohammad Azizur
Rahman**

Centre for Infrastructure
Engineering, Western Sydney
University, Penrith Campus, NSW,
Australia

Deadline for manuscript
submissions:

closed (15 December 2017)

Message from the Guest Editor

Environmental pollution from natural and anthropogenic sources is a global challenge for environmental sustainability and human health. Some of the major environmental pollutants are heavy metals/metalloids, pesticides, polyaromatic hydrocarbons (PAHs), polychlorinated biphenyls, detergents, antibiotics, and nanoparticles that may cause various environmental and human health problems. Long term cumulative effects of the pollutants in the environment are detrimental to human and environmental health. Complete remediation/removal of these contaminants is challenging due to the lack of reliable, sustainable, and cost-effective technology. However, diverse groups of microorganisms that are already present in the environment may provide a solution through bio-degradation and bio-transformation processes. This Special Issue aims to present original research articles, reviews, and short communications in the areas of (but not limited to) bio-degradation and bio-remediation of environmental pollutants.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergio Ulgiati

1. Department of Science and
Technology, Parthenope
University of Naples, Centro
Direzionale, Isola C4, 80143
Napoli, Italy
2. School of Environment, State
Key Joint Laboratory of
Environment Simulation and
Pollution Control, Beijing Normal
University, No. 19 Xijiekouwai
Street, Beijing 100875, China

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [PubAg](#), [AGRIS](#), [GeoRef](#), and [other databases](#).

Journal Rank: JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Environments Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/environments
environments@mdpi.com
[X@Environ_MDPI](#)