



## Non-toxic Materials For Planet Earth

Guest Editor:

**Prof. Dr. Manoj Gupta**

Department of Mechanical  
Engineering, National University  
of Singapore, Singapore 117576,  
Singapore

Deadline for manuscript  
submissions:

**closed (31 January 2020)**

### Message from the Guest Editor

Over the past 100 years, many toxic materials have been developed and used in multiple applications leading to severe pollution of land, water bodies and air. This has posed serious health challenges to all the inhabitants, humans or otherwise, of planet earth as these materials have entered our food chain as per recent studies. The present issue is launched with a specific aim to promote the research, education and usage of environment safe materials. Present issue thus welcomes all the articles related to development, processing, characterization and application of all categories of materials which are non-toxic and sustainable for making our planet an excellent place to live. Particular topics covered in this issue include but not restricted to following:

1. Research into non-toxic materials
2. Lightweight Materials for greenhouse gas mitigation
3. Energy efficient Processing Techniques
4. Materials to mitigate water pollution
5. Materials to mitigate land pollution
6. Characterization
7. Applications
8. Miscellaneous topic related to thematic title

Reviews, both mini and regular, are invited on any of the above topics.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Author Benefits

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

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/AtApplsci)