

## Abstract

- Introduction
- Green Synthesis of Nanophase Inorganic Materials
  - Metal Oxide Nanoparticles
    - Hydrothermal Synthesis
    - Reflux Synthesis
    - Microwave-Assisted Synthesis
- Green Synthesis of Metallic Nanoparticles
- Green Chemistry Applications of Inorganic Nanomaterials
  - Manganese Oxides
  - Titanium Dioxide
- Environmental Applications of Nanomaterials
  - Background
  - Titanium Dioxide Nanomaterials
  - Zinc Oxide Nanomaterials
  - Iron-Based Nanomaterials
- Conclusion and Future Perspectives
- Acknowledgment