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Special Issue On "Emerging Trends In Microbial
Biotechnology: Applications In Industry And
Environment"

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Articles invited for the special issue on **"Emerging Trends in Microbial Biotechnology: Applications in Industry and Environment"**

Background and Rationale:

Emerging Trends in Microbial Biotechnology: This theme could focus on the latest advancements, innovative approaches, and applications of microbial biotechnology that address both industrial processes and environmental challenges. Innovation in a variety of fields, from environmental management to industrial manufacturing, now relies heavily on microbial biotechnology. Microbes are incredibly adaptable and small organisms whose power has been used for ages in fermentation and bioconversion processes. Recent developments in synthetic biology, genomics, and molecular biology, on the other hand, have opened up new possibilities for microbial systems, revolutionizing and extending their use in a variety of sectors and environmental settings. The purpose of this special issue, "Emerging Trends in Microbial Biotechnology: Applications in Industry and Environment," is to draw attention to the most recent advancements, discoveries, and potential paths in this rapidly evolving field. Keywords: Bioremediation; Nano-biotechnology; Enzymes; Agriculture; Biotechnology.

Topics to be covered:

- Microbial Bioremediation and Environmental Sustainability
- Microbial Metabolic Engineering for Industrial Biotechnology
- Microbial Consortia and Synthetic Biology for Industrial Applications
- Microbial based Nanotechnology and applications
- Advances in Microbial Genomics and Omics Technologies
- Microbial Biofilms and Their Applications in Biotechnology
- Microbial Technologies for Sustainable Agriculture
- Innovative Bioprocessing and Bioreactor Design
- Microbial Innovations for Climate Change Mitigation

Targeted Audience:**"Emerging Trends in Microbial Biotechnology: Applications in Industry and Environment"**

Suggests that the special issue will appeal to a broad range of professionals and researchers in the life sciences, including research scholars, faculty, scientists, and industry experts.

Submission and Review Process:

Authors are invited to submit high quality articles (Research, review as well as short communications). Submitted papers should be well formatted and use good English. All the submitted papers will be screened for plagiarism using Turnitin and will be subjected to peer review. Accepted papers will be published under the special issue on the journal's website. Manuscripts should be submitted online through the journal's online submission system.

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