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Extreme Microorganisms in the Nitrogen Cycle

Guest Editors:

Prof. Dr. Rosa María Martínez-Espinosa

Department of Agrochemistry and Biochemistry, Faculty of Science, University of Alicante, E-03080 Alicante, Spain

Dr. Carmen Lucía Pire-Galiana

Department of Agrochemistry and Biochemistry, Faculty of Science, University of Alicante, 03690 San Vicente del Raspeig, Spain

Mr. Javier Torregrosa-Crespo

Department of Agrochemistry and Biochemistry, Faculty of Science, University of Alicante, Alicante, Spain

Deadline for manuscript submissions:

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Message from the Guest Editors

The nitrogen cycle is one of the most important biogeochemical cycles on the planet and involves a wide range of nitrogen species and biochemical transformations. Microorganisms play a key role in this cycle. Recent investigations have revealed that N-cycle is relevant in marine and other extreme environments like salterns, very dry deserts, volcanoes, deep ocean trencheso or upper atmosphere.

Articles (original research, commentaries, opinions, reviews) to be published in this Special Issue of *IJMS*should contribute to understanding the role of moderate and extreme microbes in the N-cycle from interdisciplinary approaches.

Topics include, but are not limited to:

- N-cycle pathways (biochemical, molecular biology, microbiological, ecological approaches)
- Nitrogen assimilation, fixation and respiration
- Nitrogenous gasses emissions and climate change
- Ammonification/nitrification
- Dissimilatory nitrate reduction to ammonia
- Annamox and denitrification



Special Sue









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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

Message from the Editor-in-Chief

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