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Extremophiles Breakthrough: Hot Topics and Current Issues in Their Isolation, Identification and Biotechnological Applications

Guest Editors:

Dr. Giovanni Gallo

Division of Microbiology, Faculty of Biology, Ludwig-Maximilians-Universität München, 82152 Martinsried, Germany

Dr. Martina Aulitto

1. Institute of Polymers, Composites and Biomaterials (IPCB), Consiglio Nazionale delle Ricerche (CNR) of Italy, Pozzuoli, Napoli, Italy
2. Department of Biology, Università degli Studi di Napoli Federico II, Napoli, Italy
3. Lawrence Berkeley National Laboratory, Biological Systems and Engineering Division, Berkeley, CA, USA

Message from the Guest Editors

Over the last few decades, the study of extremophiles has led to many discoveries that are useful in understanding how life evolved in particular ecological niches, as many enzymes derived from extremophilic microorganisms have had significant impacts on our lifestyle. The search for new extremophiles is crucial not only from an ecological point of view, but also from a biotechnological point of view. Extremophiles are considered to be factories of high-value molecules that are able to retain their biological activities under harsh conditions, normally employed in industrial processes. Moreover, recent studies have focused on the exploitation of these microorganisms for the isolation of enzymes to be used for sustainable bio-energy and bio-fuel production. As the Guest Editors of this Special Issue, we are pleased to invite you to submit your cutting-edge research articles and reviews related to extremophiles.

Deadline for manuscript submissions:

closed (30 September 2024)



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Special Issue



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Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

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Life Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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