



Archaea

Special Issue on Archaea Ecology and Diversity in Different Ecosystems

CALL FOR PAPERS

Archaea were relatively recently identified as a different kingdom of life. Some of them were previously analyzed in an ecological context as bacteria. However, because their ecological niches often differ significantly from bacteria, Archaea diversity has only started to be explored in the last two decades.

Clearly, the majority of ecology/diversity on Archaea has focused on methanogenic Archaea, and, even for this group, there are probably still discoveries waiting. Because of the demonstrated role of methane as a potent greenhouse gas, continuing research efforts on methanogenic Archaea ecology and diversity are warranted.

Nonmethanogenic Archaea roles in ecosystems have only been unraveled to varied extents. It can be argued that we still do not really know the full habitat range of nonmethanogenic Archaea. Therefore, both diversity surveys and studies on ecological parameters governing Archaea ecology are needed to get a better grasp at the prevalence of the different groups of Archaea.

The goal of this special issue is to provide a platform to expose recent research findings on the ecology and diversity of Archaea. Therefore, we solicit high quality, original research articles as well as review articles focused on this general theme.

Potential topics include, but are not limited to:

- ▶ Molecular biology surveys of Archaea in different ecosystems (environment, host-associated, etc.)
- ▶ Direct or indirect (omics) characterization of metabolic properties of Archaea
- ▶ Studies on the relationship between environmental parameters and Archaea distribution and/or activities
- ▶ Studies using Archaea models to test ecological and evolution hypotheses

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/archaea/edde/>.

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First Round of Reviews

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