Special Issue

Biotechnological Application of Photosynthetic Bacteria

Message from the Guest Editor

Photosynthetic bacteria (PSB) have a wide variety of applications in the fields of agriculture, livestock, aquaculture, waste treatment, energy production, biomaterial production, and bioremediation. Biotechnologies of PSB, therefore, have immense potential to contribute to our society with respect to energy and cost-saving, food safety, human and animal health, environment protection, etc. Among various PSB, purple non-sulfur photosynthetic bacteria (PNSB) are the most investigated and also practically applied PSB, because of their non-pathogenic, easy-culturable, and fast-growing characteristics. This Special Issue will contribute to the current knowledge in the field and promote the practical application of PBA biotechnology. We invite you to send contributions on any aspects related to biotechnological applications of PSB. Although the main interests of the present issue are PNSB, studies on biotechnology of any other kinds of anoxygenic photosynthetic bacteria, such as purple sulfur photosynthetic bacteria, are also welcome. However, cyanobacterial biotechnologies are not included in the scope of this issue.

Guest Editor

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Deadline for manuscript submissions

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"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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