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Advances in Pollution Control and Fuel Production from Water

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Message from the Guest Editors

Water pollution control technologies have significantly improved the quality of the water environment, driving water resources to be used and developed more efficiently and rationally. If we can transform the unsatisfactory pollutants during the water treatment processes into fuel, energy, or energy carriers, water purification and energy production can be achieved simultaneously. Therefore, this Special Issue intends to present efficient water treatment technologies and fuel production processes in water treatment from theory, design, and experiment to their practical use.

Areas relevant to water treatment technologies and fuel production in water include, but are not limited to, water treatment technologies, new materials for water treatment, new reactors and equipment for water treatment, energy and fuel production technologies in water, and new materials for energy production. The objects of water treatment include drinking water, wastewater, groundwater, reuse water, etc. Energy and fuel processes include, but are not limited to, hydrogen, methane, formic acid, and other carbon dioxide reduction products.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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