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Advanced Studies for PEM Fuel Cells in Hydrogen-Fueled Vehicles

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Message from the Guest Editor

Dear Colleagues,

Fuel cells have a promising chance of becoming the devices of the future in the production of electrical work (electricity) from a range of different chemical fuels. Interest in fuel cells has increased in recent decades due to the negative facts related to the production of electrical work via conventional combustion of fossil fuels. The disadvantages include insufficiently effective conversion into a usable form, environmental pollution, exploitation of global reserves, political domination, and control over countries which are rich in fossil fuels.

Fuel cells offer more efficient conversion when using fossil fuels, and their technology offers further advantages when the fuel is hydrogen from renewable fuels or hydrogen from other renewable sources. They are devices that reduce CO₂ emissions per unit of electricity produced when fossil fuels are the primary source and make the use of renewable fuels and renewable sources in transport practical.

Asst. Prof. Ivan Tolj, PhD
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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