



Eco-Nanotechnology in Materials

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Message from the Guest Editors

Dear Colleagues,

Steps in human evolution are encompassed by technological advances starting with the development of the so-called lithic industry, following by the iron age, water and steam power use, continuing with machine tools, the atomic age, the digital revolution and the production of smart materials by means of nanotechnologies in the frame of the Fourth Industrial Revolution. Sustainable development is accompanied by the translation of high-yield selective natural processes to bio- and eco-nanotechnologies for the production of functional advanced materials. Green processes are mostly found among physical methods of material functionalization. Green chemistry is also reaching new development peaks in view of using more ecological steps of active principles synthesis. Materials manipulation at the smallest scales encompasses more and more eco-nanotechnologies to preserve the natural resources and the environment. This Special Issue welcomes papers in all fields of ecological nanotechnologies from active principles synthesis to smart materials production and greener technologies development.





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Message from the Editor-in-Chief

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