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Biochar Based Sustainable Sensing Platforms

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Deadline for manuscript submissions:
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Message from the Guest Editors

Biochar is a porous, carbonaceous material produced by the solvent-free pyrolysis of biomasses and it is rapidly emerging as an alternative to traditional synthetic carbon nanostructures to manufacture greener, sustainable, carbon-based materials to be used in diverse application fields. Its exploitation in sensing platforms has constantly grown in the last ten years, due to its favorable analytical performances, which were reported as comparable to those of the best traditional carbon-based materials. The fabrication and tailoring processes are constantly tuned and optimized, taking advantage of different chemical treatments and decoration procedures with metal/metal oxide nanoparticles and enzymes, aiming at further enhancing its selectivity and sensitivity.

This Special Issue aims at collecting novel studies deepening our current knowledge on biochar-derived sensing materials. We chiefly encourage the submission of original research papers and short communications.

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Message from the Editorial Board

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