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Electrochemical Sensors for the Detection of Explosives

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Message from the Guest Editors

Electroanalytical techniques are advantageous for the detection of explosives because the instrumentation is simple and can support a wide variety of assays which can be easily implemented for field work. This is especially true for nitrogen based explosives including nitroaromatics, nitramines and nitrate esters, however, further development for the detection of explosives associated with improvised devices and their manufacturing facilities is still needed.

This Special Issue will focus on modified electrodes (graphene, screen printed, novel composites) and new electrocatalysts for the detection of homemade explosives (HME) with an emphasis on miniaturized sensors for field deployment and using machine learning for identification.

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Message from the Editor-in-Chief

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