Special Issue

2D Nanomaterials Processing and Integration in Miniaturized Devices

Message from the Guest Editors

A relatively populous and ever-expanding class of innovative materials are 2D nanomaterials with a disruptive potential for different application contexts. Although for some of them, such as graphene, various possible implementations have already been explored in different application fields, others, (e.g. Mxenes), are still relatively at an infantile stage with regard to handling, stability, exploitation, processing, and practical use in devices and higher dimensionality structures. Accordingly, this Special Issue aims to showcase research papers, short communications, and review articles outlining recent progress and innovative approaches for 2D nanomaterials synthesis and/or processing, preparatory to their assembly or integration into devices, microstructures, microsensors, and composites for different application fields. Descriptions of subsequent miniaturized devices and systems (MEMS, microsensors, devices for different application fields like energy, bio, environment,etc.) integrating 2D nanomaterials are welcome and strongly encouraged.

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