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# ***Low-Dimensional Materials and Devices 2019***

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Keywords: Two-dimensional materials; low-symmetry; black phosphorus; monochalcogenides; transition metal dichalcogenide; electronic device; photonic device. Introduction In the past decade, the research community has seen intense research efforts in the field of two-dimensional (2D) materials. Many of the common 2D materials, such as graphene, hexagonal boron nitride (hBN) and molybdenum disulfide (MoS<sub>2</sub>), have relatively symmetrical 2D crystal lattices, resulting in mostly isotropic in-plane physical properties. Special Issue "Advanced Functional Low-dimensional Materials and Their Applications". Print Special Issue Flyer. Special Issue Editors. These materials have also opened new areas of application, such as serving as topological insulators, and will, therefore, be the focus of this Special Issue. Additionally, a few reviews dealing with related one-dimensional functional carbon, boron or silicon nanotubes/nanowires and their applications will also be considered to provide a wider perspective to the field of low-dimensional materials. Prof. Dr. Zafar Iqbal Prof.