



## Novel Nanomaterials for High Performance Electronic/Photonic Devices

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### Message from the Guest Editors

Dear Colleagues,

Recent advancements in nanomaterials have enabled a wide range of devices for novel electronic, photonic, and optoelectronic applications with new functionality and improved performance. This scope/topics of this Special Issue include the following:

1. Electronic and optoelectronic nanomaterials (e.g., 2D materials, quantum dots) for innovative applications (e.g., high-performance nano-transistors, nanolasers, micro LEDs)
2. Integration of interdisciplinary technologies for manipulating, processing, and engineering materials to enable new properties and applications.
3. Novel semiconductor processing techniques, such as atomic layer deposition (ALD), atomic layer etching (ALE), super ink-jet printing, self-assembly techniques, selective etching/deposition, electron/ion beam technologies, and advanced photolithography.
  - 2D materials
  - quantum dots
  - super ink-jet printing
  - nano-transistors
  - nanolasers
  - micro LEDs
  - detectors
  - ALE
  - ALD

