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# **Nucleic Acid-Based Sensors**

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Deadline for manuscript submissions:

closed (1 September 2023)

### Message from the Guest Editors

The unique feature of nucleic acids is that binding to their complementary strands allows for the development of nucleic acid-based signal amplification technologies. Virus DNA detection during the recent COVID-19 pandemic hugely boosted the application of nucleic acid-based diagnoses. By conjugating nucleic acids with other functional modalities such as nanoparticles, florescent probes, proteins and microfluidic chips, the application scope of nucleic acids became more broad. The versatility of nucleic acids renders them extraordinary materials for making sensing and diagnosis systems and devices.

This Special Issue, aims to put together original research and review articles on recent advances in technologies, solutions, applications, and new challenges in the field of nucleic acid-based sensing systems.

Potential topics include, but are not limited to:

- Nucleic acid-based sensors;
- Nucleic acid-based imaging;
- Nucleic acid-based target detection;
- Nucleic acid-based target quantification;
- Nucleic acid-based diagnosis;
- Nucleic acid-based therapy;
- Nucleic acid-based theranostics.





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### Message from the Editor-in-Chief

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