

## Special Issue

# Advances in Neuromorphic Computing and Memristive Technologies

### Message from the Guest Editor

This Special Issue aims to present the latest advances in materials, devices, architectures, and real-world applications of neuromorphic computing and memristive systems. We encourage submissions that explore novel materials, innovative memristive devices, bio-inspired computational frameworks, and the practical implementation of these technologies. Original research articles, comprehensive review papers, and case studies are all welcome. Possible themes include, but are not limited to, the following:

- Novel materials for memory devices and applications;
- Novel memristive devices and circuits;
- Neuromorphic architectures for AI and machine learning;
- Bio-inspired memory architectures;
- Integration of memristors with CMOS technology;
- Energy-efficient neuromorphic hardware for edge computing;
- Applications of memory/memristive technologies in optoelectronics and IoT.

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### Guest Editor

Dr. Muhammad Naqi

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### Deadline for manuscript submissions

15 October 2025



## Electronics

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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