

## Special Issue

# Microelectronics Processing Technologies: Current Status and Prospects

### Message from the Guest Editor

This Special Issue on “Microelectronics Processing Technologies: Current Status and Prospects” invites original research and review articles that explore the latest advancements in microelectronics processing techniques, materials engineering, and integration strategies. Topics include, but are not restricted to, the following areas:

- Techniques for micro- and nano fabrication;
- Integrating processes in CMOS technology and beyond CMOS technologies;
- Innovative materials and interfaces for cutting-edge packaging solutions;
- Managing heat in tiny systems;
- Advancements in MEMS and NEMS processes;
- Developing and simulating processes;
- Creating new types of devices (e.g., quantum and neuromorphic);
- Integrating different materials and structures in three dimensions;
- Ensuring reliability, analyzing failures, and improving production yields;
- Eco-friendly and sustainable methods for semiconductor fabrication.

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### Guest Editor

Dr. Vengudusamy Renganathan

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### Deadline for manuscript submissions

28 February 2026



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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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