



**NDT**

Journal of Non-Destructive Testing

an Open Access Journal by MDPI

## Advances in Eddy Current Non-destructive Testing

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (30 June 2024)**

### Message from the Guest Editor

The Special Issue aims to provide an in-depth overview of the latest developments in the field. The articles in this Special Issue attend to a wide range of topics, including the following:

- **Advanced sensor/sensor array design:** This includes the application novel materials to create more sensitive and selective sensors. It also includes the development of new sensor geometries.
- **Eddy current data processing and automatic evaluation:** This includes the application of machine learning/AI to analyze eddy current data.
- **Industrial applications:** This includes the application of the eddy current testing of complex materials as well as the inspection of industrial structures.
- **Multimodal sensing:** Multimodal sensing, which combines eddy current with other sensing modalities.
- **Miniaturization and portability:** This includes the development of handheld or mobile systems that can be employed in the field.

The Special Issue provides a comprehensive overview of the latest developments in ECT technology. We are hoping to identify the ability of eddy currents to improve efficiency, minimize waste and support manufacturing and energy systems.



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**Special** Issue



# NDT

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### Editor-in-Chief

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### Message from the Editor-in-Chief

*NDT* is an international, peer-reviewed, open access journal on non-destructive testing science, technology, and their applications. *NDT* aims to establish itself as a leading journal in the nondestructive testing area of science through the dissemination of more inclusive and interdisciplinary research.

Areas of interest include—but they are not limited to—archaeology and forensic engineering, geophysics, mechanical engineering, electrical and electronics engineering, civil and environmental engineering, data science and AI, medicine and biological sciences, and art.

*NDT* has an Editorial Board of highly accomplished international scientists ensuring a rigorous peer-review process for the selection of novel and quality research.

### Author Benefits

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**Recognition of Reviewers:** APC discount vouchers, optional signed peer review, and reviewer names published annually in the journal.

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