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## **Advances of Indentation Technology in Materials**

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Deadline for manuscript submissions: **20 November 2024** 

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# Message from the Guest Editors

Indentation has become an indispensable technique in material science and engineering, providing valuable insights into mechanical behavior and properties of local regions, and exerting a revolutionary impact on the testing of small samples. As this technology continues to develop, we must explore its application in various material systems and address existing challenges.

This Special Issue's topics of interest include, but are not limited to:

- Development of new indentation techniques and methodologies;

- Characterization of mechanical properties via instrumented indentation;

- Understanding of deformation or fracture mechanisms by indentation;

- Evaluating material behaviour under extreme conditions;

- Assessing distribution of local properties by indentation;

- Advancements in probe materials, surface treatment, and geometries;

- Integration of indentation with other characterization techniques;

- Applications of indentation in different material systems;

- Modeling and simulation of indentation experiments;

- Standardization and calibration of indentation techniques.

We invite researchers to contribute to this Special Issue and address the topics above.







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## **Editor-in-Chief**

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## Message from the Editor-in-Chief

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