



materials



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Applications of Scanning Probe Microscopy (SPM)-Methods in Materials Science

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Message from the Guest Editor

Dear Colleagues,

The inventions of scanning tunneling microscopy (STM) in 1980 and atomic force microscopy (AFM) in 1985 revolutionized the nano-scale characterization of materials surfaces. While the application of STM is limited to conductive materials, AFM can be applied on virtually any materials, from soft (living cells, tissues, gels, and polymers) to hard (metals, ceramics, and glasses). SPM is now an unavoidable tool to characterize the response of materials and devices to various solicitations with nanometer resolution and beyond.

We invite researchers to contribute to the Special Issue on “Applications of Scanning Probe Microscopy (SPM)—Methods in Materials Science”. This Special Issue is intended to serve as a forum covering recent developments and applications of SPM in the field of materials science.



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Special Issue



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Message from the Editor-in-Chief

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