

# Preface

This topical volume of the Journal of Nano Research captures a very broad cross-section of the synthesis and functional properties of nanomaterials that rely on solid and liquid diffusion processes. The materials covered range from carbon nanotubes, nanoparticles and powders, nanocrystals, nanofluids, and nanoporous composites to graphene. The synthesis and manufacturing technologies of these nanomaterials and their structural and physical properties such as conductivity and wear resistance are covered. The presented applications span a wide range, for example from drug delivery to enhanced oil recovery. We are grateful to the authors for their timely submission of manuscripts and to the referees for their efforts in efficiently reviewing the manuscripts.

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