

## Special Issue

# Radiation Effects in Polymer Hybrids

### Message from the Guest Editor

High-energy exposure has profound consequences for the structural configuration of polymer hybrids. Starting from the fragmentation of macromolecules guided by bond energies, the interaction between various classes of filler and host polymers brings about several changes in material behavior. For their extended applications, the stability of hybrids as well as changes in the thermal and mechanical properties of this class of compounds have to be emphasized. Improvement in durability is key for items to be able to operate in the long term. High-energy exposure achieved with electron beams or gamma rays is a versatile procedure for material qualification by accelerated degradation and a pertinent route for the internal inspections to determine the contribution of hybrid components to the material sciences. The manuscripts in this issue are envisaged to become starting points for other investigations simultaneously propelled by the competing approaches of “classical” material assessments.

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### Guest Editor

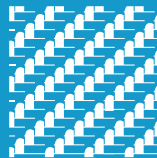
Dr. Traian Zaharescu

National Institute for Electrical Engineering, INCDIE ICPE - CA,  
Bucharest, Romania

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### Deadline for manuscript submissions

closed (10 May 2023)



## Journal of Composites Science

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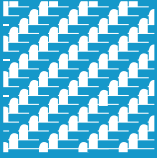
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4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
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#### Editor-in-Chief

Dr. Francesco Tornabene  
Department of Innovation Engineering, University of Salento, 73100  
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