

## Special Issue

# Mechanical Properties of Polymer Materials and Coatings

### Message from the Guest Editor

Polymer materials have found use in nearly all fields of application mainly due to their protection purposes. The main research interest is to create novel functionalities of polymer materials by physical and chemical structuring at the micro and nanoscale. As protective materials are subjected to different stress-strain levels, wear and environments, therefore, the mechanical properties play a key performance indicator. Mechanical characteristics of polymeric materials and coatings are declared based on measurements and interpretations of the results of measurement of mechanical properties and in connection with sample preparation, test conditions and external deformation forces. However, the most common problem of declaring reliable simulation results is not disregarding the already verified general prediction model, but disregarding recommended input data intervals and input conditions, which may not always be entirely satisfactory or fully sufficient on the part of the user. In these cases, the only solution is to make the validity of the model more accurate or extend it.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 May 2022)



## Coatings

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### Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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