

## Special Issue

# Advances in Graphene-Epoxy Nanocomposites

### Message from the Guest Editors

Since the advent of graphene, fabrication and characterisation of graphene–epoxy nanocomposites have been extensively investigated by researchers around the world. The extremely high surface-to-volume ratio, planar shape, extraordinary mechanical properties, excellent electron mobility and high thermal conductivity of graphene make it an ideal candidate to enhance properties of epoxy matrix. It has been exhibited that the addition of a small amount of graphene can drastically improve the mechanical, thermal and electrical properties of the epoxy nanocomposite. However, the efficacy of the graphene-reinforcing effect depends on many factors, including the manufacturing method, amount, size and functionalisation of the graphene, presence of solvents or surfactants, etc.

In this Special Issue, you are invited to submit research papers and review articles focused on:

- 1) The manufacturing and testing of graphene–epoxy nanocomposites;
- 2) Numerical modelling of graphene–epoxy nanocomposites.

We look forward to receiving your submissions!

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 July 2023)



## Polymers

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CiteScore 9.7  
Indexed in PubMed



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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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