

Special Issue

Material and Structural Design of Novel Adhesives and Adhesive Systems

Message from the Guest Editor

Chemical and architectural design of adhesives and adhesive systems for creative applications in engineering and medicine is the focus of this Special Issue. Applications may involve novel considerations for “wetting-and-setting”, underwater adhesives, de-adhesion, adhesion/de-adhesion reversible adhesives, impact resistance, replacement of current connection/joining methods by adhesive bonding and design methodologies for that purpose, electrical and thermal conductivity, radar-absorption, controlled release, and medical functions. The associated design processes may involve and even require biomimetics, functional/smart adhesives, self-healing adhesives, biomedical adhesives for clinical applications, multiresponse adhesives, interphase design, reversible sacrificial bonds, hydrogel applications, and advanced manufacturing of and with adhesives and novel toughening mechanisms.

I would like to invite research articles, review articles, as well as short communications for this Special Issue.

Guest Editor

Prof. Dr. Erol Sancaktar

Department of Polymer Engineering, University of Akron, Akron, OH 44325, USA

Deadline for manuscript submissions

closed (30 March 2020)



ChemEngineering

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 4.9



mdpi.com/si/30836

ChemEngineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
chemengineering@mdpi.com

[mdpi.com/journal/
ChemEngineering](https://mdpi.com/journal/ChemEngineering)





ChemEngineering

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 4.9



[mdpi.com/journal/
ChemEngineering](https://mdpi.com/journal/ChemEngineering)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Mario J. Muñoz Batista

Department of Chemical Engineering, Faculty of Sciences, University of Granada, Avda. Fuentenueva, s/n, 18071 Granada, Spain

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Chemical) / CiteScore - Q1 (General Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 29.6 days after submission; acceptance to publication is undertaken in 5.7 days (median values for papers published in this journal in the first half of 2025).