



Material and Structural Design of Novel Adhesives and Adhesive Systems

Guest Editor:

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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.

