



Bioinspired Catechol-Based Systems: Chemistry and Applications

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Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to collect together the contributions from different laboratories working on catechol systems. By covering issues from basic chemistry and biochemistry to free radical and computational modeling, new antioxidants, biocompatible structures for coatings, hydrogels and smart polymers for biomedical applications, it provides an updated view of the status quo and perspectives in a rapidly growing field of basic and applied research. The present collection of papers is expected to provide a paradigm of the power of biomimetic approaches for discovering new important research avenues and for innovative solutions in biomedicine and technology. We believe that this initiative will fill an important gap in biomimetic chemistry and will stimulate the enthusiastic contributions of leading experts in the field. It is our great pleasure to invite you to submit a paper (research article or review) focusing on catechol chemistry and applications.

Prof. Marco d'Ischia
Dr. Daniel Ruiz-Molina
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