



Bio-Mimicked and Bio-Inspired Synthetic Polymers

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Message from the Guest Editors

Nature is replete with examples of processes that have been perfected through evolution to effectively use matter and to sustain life. Bio-mimicked and bio-inspired synthetic polymers, used in biology and medicine, will open new avenues in various areas, such as health, defence and nano(bio)technology. These polymers can “transcend Nature” by initiating improvements in biostability and bioavailability compared to their natural counterparts. Furthermore, useful parameters can be precisely and independently controlled for interrogating structure–activity relationships. In fact, many natural biological materials have been used as inspiration to develop innovative synthetic analogues for various areas. In this Special Issue, we focus on bio-mimicked and bio-inspired synthetic polymers, which are useful in many various areas.





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