

## Special Issue

# Biomacromolecules in Non-Conventional Media: Biotransformations and Beyond

### Message from the Guest Editors

Biocatalysis in non-conventional media is a well established procedures that has been extensively developed since the '80s. Indeed, organic solvents, supercritical fluids, gases, and ionic liquids have been employed as reaction media for biocatalyzed reactions. However, besides biotransformations, organic media (in particular ionic liquids) are routinely employed for the extraction and/or manipulation of different types of biomacromolecules (e.g., polysaccharides, nucleic acids, proteins). Thus, in addition to new examples on the use of non-aqueous media for reactions catalyzed by enzyme or whole cells, also the effects of organic solvents or ionic liquids on biomacromolecules exploited for the preparation of new products (e.g. nanomaterials) is a topic of actual interests. The goal of this themed issue is to report new advancements where using organic solvents, supercritical fluids, gases, or ionic liquids it has been possible to carry out a successful biotransformation, extraction or manipulation of biomacromolecules.

- organic solvents
- supercritical fluids
- gases
- ionic liquids
- proteins
- polysaccharides

### Guest Editors

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### Deadline for manuscript submissions

closed (30 June 2019)



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