



## Lectins: From Biochemical and Structural Studies to Biotechnological and Biomedical Applications

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

In the recent years, the number of isolated lectins has greatly increased, and several lectins with novel folds, specificity, and multivalency have been described. New families have been identified, but the panel of characterised lectins still needs to be enlarged. The identification and characterisation of lectins directly purified from natural extracts or lacking genetic data remain a challenge; therefore, it is important to develop techniques to facilitate these processes. A better understanding of the biological activities of lectins and of the mechanisms by which they recognize and bind to carbohydrates is also essential, as are methods to improve their production and availability, notably in recombinant forms. The engineering of existing scaffolds can be useful to expand or modify the specificity or activities of lectins. Many applications are under development, and new ones can still be identified and explored.

The purpose of this Special Issue is to highlight the most recent contributions on lectins, from identification to applications.

Dr. Annabelle Varrot

*Guest Editor*





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## Message from the Editor-in-Chief

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