Special Issue

Advances in Amylases

Message from the Guest Editor

This Special Issue welcomes manuscripts dealing with the cloning, sequencing, expression, biochemical characterization, tertiary structure determination, structure/function relationships, and protein design and evolution of starch hydrolases and related alpha-glucan active enzymes. Topics of interest include, but are not necessarily limited to, various aspects of the main alpha-amylase enzyme clan GH-H (i.e., families GH13, GH70 and GH77), as well as of the smaller alpha-amylase families—mainly GH57, but also GH119 and even GH126. Starch-active LPMOs from the family AA13 are equally welcome. Last but not least, any aspects of starch and glycogen (in general, an alpha-glucan) binding, representing distinct CBMs and/or surface-binding sites, are also within the scope of this Special Issue. In addition to basic research-oriented studies, emphasis may also be given to potential applications, especially in biotechnology and medicine. Finally, this Special Issue is open not only for participants of the ALAMY_8 Symposium; all "*amylase-positive*" people are welcome to contribute!

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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