



Biochemical Regulatory Mechanisms in Ubiquitin-Proteasome System

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Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editor

Even in the era of big data, dissecting a biochemical process is still critical to understanding the processes in biology. Protein degradation is no longer a neglected area. Tens of thousands of papers are published on this topic each year, solving many mechanistic issues in the field. However, many key questions remain unresolved, especially regarding its spatiotemporal regulation, specificity in myriad signaling transduction, complex ubiquitin chain linkages, and crosstalk with autophagy. Therefore, instead of identifying the physiological roles of the system (or pathological implications from its aberration), we want to bring to the readers an updated mechanistic view on the ubiquitin–proteasome system. Studies on the basic biochemistry can provide the core information of the ever-growing data in the field.

For this Special Issue, we welcome original research and mini-review articles covering the mechanistic aspects of protein degradation and the related enzymes. Articles discussing methodological approaches with test tubes or living cells are also encouraged.





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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