

Special Issue

The Role of Amyloid in Neurological Diseases

Message from the Guest Editor

Amyloids are key pathological hallmarks in various neurodegenerative diseases, such as Alzheimer's, Parkinson's, and amyotrophic lateral sclerosis. This Special Issue focuses on understanding the early stages of amyloid formation, leveraging cryo-EM structures to unravel the complex mechanisms behind their nucleation and polymerization. Additionally, we will explore genetic factors and mutations that influence amyloid formation and toxicity, alongside the mechanisms driving pathogenesis in the CNS. Understanding these processes is essential not only for uncovering the fundamental biological mechanisms of amyloid aggregation but also for developing therapeutics based on these mechanisms and structures to combat amyloid-related diseases. This Special Issue welcomes the submission of original research manuscripts or review manuscripts focusing on the following areas of amyloid biochemistry in neurodegenerative diseases.

Guest Editor

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Deadline for manuscript submissions

closed (20 November 2025)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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