

## Special Issue

# Protein Solubility and Aggregation

### Message from the Guest Editor

Protein solubility and aggregation is a serious problem for protein sciences, pharmaceutical applications, and human health. The level of protein solubility ranges from almost completely insoluble to hundreds of milligrams per milliliter. Amino acids at the surface of a protein may determine the solubility. The structural stability of a protein may be important for solubility. Even a single amino acid mutation may change the solubility of a protein dramatically. External factors such as pH, ionic strength, temperature, mechanical stress, small molecules, etc. also affect the protein solubility. Low solubility would decrease the efficiency of the protein purification and the production yield of protein drugs. Protein aggregation, resulting from protein misfolding, leads to many diseases such as Alzheimer's disease, Parkinson's disease, amyotrophic lateral sclerosis, and prion disease, to name but a few. We invite researchers to contribute original and review articles regarding the protein solubility and aggregation.

### Guest Editor

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## International Journal of Molecular Sciences

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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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