



The Optimized Production, Purification, Characterization and Application of Proteins/Enzymes

Guest Editor:

Prof. Dr. Paolo Iadarola

Department of Biology and
Biotechnology "L. Spallanzani",
Università degli Studi di Pavia,
Pavia, Italy

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Message from the Guest Editor

Dear Colleagues,

A general protocol for protein purification involves the isolation of these macromolecules from a wide range of sources, which include animal organs, plants, bacteria, viruses, and other sources. The purification step is essential and preliminary to an accurate characterization of a protein that, because of the intrinsic features of each protein, involve the use of multiple techniques. These include ELISA for the identification of the protein; UV and VIS spectrophotometry for the calculation of the protein concentration; SDS-PAGE, SEC, and MS for the determination of the molecular weight; chemical and/or enzymatic digestion in combination with HPLC and MS for peptide mapping; the Edman chemistry for the analysis of the primary sequence; and CD, X-ray diffraction, and NMR for the determination of secondary and tertiary structures.

The aim of this Special Issue is to attract contributions on all aspects of protein purification and characterization, with special emphasis on the application of the most sophisticated technologies that allow for addressing the purification processes characterized by peculiar difficulties.

Prof. Dr. Paolo Iadarola
Guest Editor





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Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

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Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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