

Special Issue

Antiviral Activity of Lectins

Message from the Guest Editor

Lectins are ubiquitous proteins found in various taxonomy, animals, plants, algae, and bacteria. Numerous lectins have been reported to show antiviral activity against viruses such as influenza virus, human immunodeficiency virus (HIV), SARS-CoV and hepatitis C virus (HCV). As the glycan profiles on viral surface are diverse among these viruses, antiviral potency of lectins are largely depended on their unique carbohydrate-binding specificity as well as the characteristic structure of lectins. We are consistently facing the risk to encounter unknown viruses to which no one has sufficient immunity. Therefore, antiviral agents are in great demand to confront the emergence of new viruses. To develop therapeutic or prophylactic agents targeted for pathogenic viral glycans, fundamental information on lectin-virus interaction via glycan moiety is truly valuable. In this open-access special issue, we welcome any research articles regarding novel aspects of antiviral lectins. We hope that this issue will contribute to advancing our understanding on lectins that are ultimately applicable for microbicides to prevent the transmission of viruses.

Guest Editor

Dr. Yuichiro Sato

Department of Medical Pharmacy, Faculty of Pharmacy, Yasuda Women's University, 6-13-1 Yasuhigashi, Asaminami, Hiroshima 731-0153, Japan

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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