

Special Issue

Plant-Derived Booster Vaccines or Adjuvants

Message from the Guest Editor

Plants can serve not only as vaccine producers and carriers, but simultaneously as source of chemicals of immunostimulatory properties. Many natural plant compounds may act as mucosal or systemic adjuvants, as lectins, flavonoids, carotenoids, oils, or saponins, which are the key components of one of the most potent adjuvant and antigen delivery systems—ISCOMATRIX™. Apart from these, thanks to genetic engineering, plants can produce proteins enhancing immune response, acting as adjuvants, immunomodulators, epitope carriers, or structures combining these activities (e.g., LTB, CTB, interleukins, or various virus-like particles). This Special Issue will focus on more recent studies dealing with plant-based booster vaccines, especially those that are orally administered, together with natural and recombinant adjuvants, including their production systems, processing, administration, effects on the immune system, and mechanisms of action. Toward this purpose, original research articles, reviews, and short communications are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2022)



Plants

an Open Access Journal
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Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



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About the Journal

Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

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