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Plant-Derived Booster Vaccines or Adjuvants

Guest Editor:

Prof. Dr. Tomasz Pniewski

Institute of Plant Genetics, Polish
Academy of Sciences, 60-479
Poznań, Poland

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Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Tomasz Pniewski

Guest Editor



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Special *Issue*



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Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

Message from the Editor-in-Chief

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Plants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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