



toxins



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Venom Allergy: General Concepts, Allergens, Diagnosis and Treatment

Guest Editor:

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Deadline for manuscript submissions:

closed (31 December 2021)

Message from the Guest Editor

Venom allergy is one of the most serious IgE-mediated hypersensitivity reactions due to the high risk of severe and even fatal anaphylaxis. Stings of various Hymenoptera species are common elicitors of venom allergy all over the world. In the majority of patients, venom allergy can be effectively treated by venom-specific immunotherapy, the only available immunomodulatory and curative approach. In recent years, biochemical and molecular biological methods have made a significant contribution to the identification and characterization of new allergens of Hymenoptera venoms, shifting the focus from the whole venom to individual allergenic molecules. Moreover, venom allergy represents an ideal model to study the mechanisms of allergic inflammation and immune tolerance to allergens as well as the allergen-immune system interaction.

We welcome contributions in the following areas:

Comprehensive overview of latest concepts, developments and further perspectives in venom allergy

Allergy-relevant species as well as their venoms and venom allergens

Venom proteomics and allergens, diagnosis and treatment of venom allergy as well as basic immunological and biochemical mechanisms.



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Special Issue



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Message from the Editor-in-Chief

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