

Special Issue

Combating Tropical Envenomation

Message from the Guest Editor

Tropical envenomation remains a major neglected public health problem, especially in low- and middle-income countries with limited diagnosis and treatment. Venomous bites from snakes, scorpions, spiders and marine organisms cause high morbidity, mortality, long-term disability and socioeconomic harm. This Special Issue “Combating Tropical Envenomation” highlights advances and challenges in understanding, diagnosing and treating envenomation. Research on venom composition and toxin mechanisms clarifies clinical toxicity, while modern venomomics and proteomics enable precise toxin characterization. The issue welcomes studies on improved diagnostic tools for accurate venom detection and species identification. Developing safer, more effective antivenoms and promising alternative/adjunct therapies remains a priority. Overall, the Special Issue calls for multidisciplinary research and global collaboration to strengthen diagnostics, therapeutics and venom research, reducing the global burden of tropical envenomation.

Guest Editor

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