

Special Issue on
**The Distribution, Burden, and Impact on Global Health of
Dengue**

CALL FOR PAPERS

In recent years, the disease burden of dengue has been reported in many subtropical and tropical areas. The morbidity and mortality of dengue virus infection is known to be caused by various factors in the virus, host, and vector. Dengue is one of the most common tropical diseases affecting humans. The World Health Organization (WHO) estimates that dengue is increasing in incidence, with more than 300 million cases per year, and that more than half the global population is at risk.

In recent years, dengue has caused severe outbreaks in several areas, including Southeast Asia and Central America. The dissemination of dengue is affected by climate, human behaviour, and the competence and distribution of its mosquito vector. In addition, the pathogenesis and influence of these correlated factors in severe dengue remain not fully understood. The frequency of outbreaks of dengue poses a real threat to global public health.

The aim of this Special Issue is to gather research papers and clinical studies, as well as review articles focused on dengue virus. We seek contributions from authors who can advance our understanding and knowledge in various dengue related studies including epidemiology, pathogenesis, disease mechanisms, and vaccine modification and development, as well as novel antiviral drug discovery.

Potential topics include but are not limited to the following:

- ▶ Epidemiology or molecular epidemiological studies on recent dengue outbreaks
- ▶ Novel or rapid laboratory diagnostic assays
- ▶ Virological and immunological studies on dengue disease mechanisms
- ▶ Potential interaction between dengue and other flaviviruses
- ▶ Biomarkers for disease progression
- ▶ Novel antiviral drugs and strategies
- ▶ Vaccine modification and development

Authors can submit their manuscripts through the Manuscript Tracking System at <https://review.hindawi.com/submit?specialIssue=739984>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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Submission Deadline

Friday, 23 July 2021

Publication Date

December 2021