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## **DENGUE FEVER IN BANGLADESH AND ITS TREATMENT BY MEDICINAL PLANT**

Dengue fever is a viral disease transmitted by bite of female mosquito. Outbreak of dengue is mainly seen in tropical and subtropical climate such as in Bangladesh and in neighbouring countries. The first official outbreak of dengue in Bangladesh was in 2000. In Bangladesh the eruption began primarily April and it was spreaded all over the country generally the peak case counts is mainly seen two months after peak rainfall that is during monsoon season. Dhaka the capital of Bangladesh faces the worst peak of dengue fever among cities due to overcrowded population due to unplanned urbanization which includes poor waste management lacking the quality of drainage system further resulted in making city an easy means of vector.

Dengue cause symptom and last for 7 days the fever cause symptoms like fever, headache, nasea, vomiting, rash dengue virus rarely causes death. However worst form of dengue called as dengue haemorrhagic fever which can cause internal bleeding, fluid accumulation is seen with organ failure with dissemination of infection. Vaccine not yet launched in Bangladesh and there is no specific treatment to treat dengue fever. Significant studies shown that plant derived substances could be possible substitute for development of potent remedies of this disease. Extracts from different parts such as stem, root, leaves, fruit, flower. Dengue can be treated with Carice papaya and *Euphorbia hirta* they are the most popular they are the most popular across the country and used commonly. Bioactive compounds *Hottuynia cordata* and *Boesenbergia rotundas* have been turned up to be effective for inhibition of infection either by reducing viral load or by preventing viral replication. Compounds such as panduratin and quercetin from these plants and others also inhibits viral infection. A greater percentage of people depend on herbal medicine to cure various disease and infection from ancient time.

Therefore, natural products could be one of the major source of development of antiviral drugs which is safer and accessible.