

Formulation and Evaluation of Lozenges for Anticoagulation

**Pawar Sanket Sambhaji, Gagare Sagar Devram, Waphare Sampada Thakaji,
Gund Sanket Dhyandev, Mr. Agale Sir**

Matoshri Miratai Aher College of Pharmacy, Karjule Harya, Parner, Ahmednagar

Abstract: *Cardiovascular diseases represent a significant global health burden, necessitating effective prevention and treatment strategies to mitigate their impact. Anticoagulant therapy plays a crucial role in managing these diseases by preventing the formation of blood clots, which can lead to life-threatening complications such as heart attacks and strokes. However, conventional anticoagulants are associated with limitations, including the risk of bleeding complications and the need for frequent monitoring. In recent years, there has been increasing interest in exploring natural alternatives to conventional anticoagulants, with Cayenne pepper (*Capsicum annuum*) emerging as a potential candidate due to its bioactive compound, capsaicin. This paper aims to review the existing literature on the anticoagulant properties of Cayenne pepper lozenges. By examining the pharmacological mechanisms of capsaicin and summarizing preclinical and clinical studies, this paper evaluates the efficacy, safety, and therapeutic potential of Cayenne pepper as an alternative or adjunctive therapy for cardiovascular diseases. The findings suggest that Cayenne pepper lozenges may hold promise as a novel anticoagulant agent, offering potential benefits in terms of cardiovascular health and reducing the burden associated with conventional anticoagulant therapy.*

Keywords: Cardiovascular diseases