

**Studies for Developing Shoot Cultures of  
*Leptadenia reticulata* (Retz.) Wight and Arn  
and *Tylophora indica* (Burm. F.) Merrill with  
Phytochemical Analysis**

A Thesis

Submitted to

**The Maharaja Sayajirao University of Baroda**

for The Degree of

**DOCTOR OF PHILOSOPHY**

in

**BOTANY**

By

**SWATI R. PATEL**

Guide

**PROF. ARUNA G. JOSHI**

Department of Botany,  
Faculty of Science,  
The Maharaja Sayajirao University of Baroda,  
Vadodara- 390002,  
Gujarat, India.

**July, 2021**