

A  
DISSERTATION THESIS  
ENTITLED  
**Presowing treatment and enhancement of endangered medicinal  
tree: *Adenanthera Pavonina***

Submitted to  
PARUL INSTITUTE OF APPLIED SCIENCES  
PARUL UNIVERSITY



As a Partial Fulfillment of the Requirement  
For the Degree of  
INTEGRATED

**MASTER OF SCIENCE**

**In**

**BIOCHEMISTRY**

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## ***Abstract***

The present research was finalized in Vadodara, Gujrat for the term of January 26 -2020 to march 29 -2020. Adenatherapavonina is beloved tree species for people and forest management. Adenatherapavonina is called as RaktaChandana in Hindi and Red sandalwood in English. The seeds were accumulated from Manipur Vadodara Gujrat. This is medicinal plant that has several advantages. Adenatherapavonina also apply in religion Hindu. Adenatherapavonina also treat in daily routine (e.g. Shop). Germination of Adenatherapavonina is difficult because of hard seed coat. In this research seeds treated with acids (HCL, KNO<sub>3</sub>, and H<sub>2</sub>SO<sub>4</sub>) and plant hormones (GA<sub>3</sub>, IAA, IBA, NAA and BAP). The seeds also treated with organic aspects. The seeds dealt with cow dung, cow urine and slurry. The seeds analysed with different time and solution. The best result shows cow urine. The germination of seeds is 5 out of 8. The seedling recorded as 20 cm. The research will helps in environment and forestry because now a days it is becoming rare plant.

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