

# **GLORIOSA SUPERBA LINN: AN IMPORTANT ENDANGERED MEDICINAL PLANT AND THEIR CONSERVATION STRATEGIES**

**DHARMENDRA SINGH<sup>1</sup>, MANISH MISHRA<sup>2</sup> & ANIRUDHA SINGH YADAV<sup>1</sup>**

<sup>1</sup>Govt. Motilal Vigyan Mahavidhyalaya, Bhopal, Madhya Pradesh, India

<sup>2</sup>Ecosystem Management and Tech. Forestry, IIFM, Bhopal, Madhya Pradesh, India

## **ABSTRACT**

Natural resources are not unlimited. Some indigenous plants in different regions have already become extinct. *G. superba* linn. is a commercially imperative medicinal plant which has diverse medicinal applications and eventually due to over-exploitation this plant is facing local extinction. A perusal of the literature shows that *G. superba* linn. has been widely used for diseases. A number of pharmacologically important phytochemicals such as gloriosine and colchicines have been isolated from this plant. On the behalf of previous reports based on this plant we can say how this plant and their contents are important. So the conservation of this plant very important. Cultivation may not be solution to save and at the same time utilize sustainably the endangered medicinal plant. The plant will conserved by tissue culture technique. By this technique not only we cultivate the good quality of plant but also enhance the valuable component of plant and reduce the over harvesting of plant. Plant biotechnology which has the potential to help build a sustainable economy based on primary plant production can also be applied to assist indigenous endangered plants. In particular, plant tissue culture technology including micropropagation has much potential in facilitating experimental studies to gain a better understanding of the biology of endangered plants. This will be of benefit to the development of appropriate management strategies to safeguard the sustainability of endangered plants.

**KEYWORDS:** *G. superba* linn., Endangered Medicinal Plant, Conservation, Medicinal Uses and Economic Uses