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CERTIFICATE

This is to certify that thesis entitled '**Studies for developing shoot cultures of *Leptadenia reticulata* (Retz.) Wight and Arn and *Tylophora indica* (Burm. F.) Merrill with phytochemical analysis**' submitted for award of degree of Doctor of Philosophy in Botany, The Maharaja Sayajirao University of Baroda is a research work carried out by **Ms. Swati R. Patel** under my guidance. This work is original and no part of this thesis was earlier submitted for award of any degree or diploma.

Prof. Aruna G. Joshi