DECLARATION

I, hereby declare that the work embodied in this thesis entitled **"To understand the mechanism of *Enicostemma littorale* Blume bioactive ingredient in insulin sensitive peripheral tissues: *in vitro* and *in vivo* study."** for the degree of "Doctor of Philosophy", is an authentic work accomplished under the supervision of **Prof. Sarita Gupta,** Department of Biochemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara -390002, India.

I also declare that the contents in the thesis have not been previously produced in any form for the award of any degree, diploma, fellowship, associateship or any other similar title or recognition.

Date: 16th August, 2014

Place: Vadodara

(Tusharkumar P. Patel)