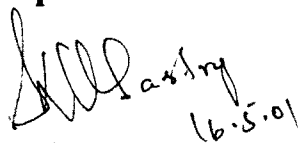


# MAHARSHI DAYANAND UNIVERSITY, ROHTAK

## CERTIFICATE

With regards to the thesis entitled “**Effect of Deltamethrin on Calcium Homeostasis and Ionic Balance in Teleost, *Heteropneustes fossilis***” submitted by Mr. Suresh Kumar for the Ph.D. Degree, we certify that he has carried out this research work under our direct supervision and guidance from October 1998 to May 2001 and that the manuscript of the thesis has been scrutinized by us. The entire thesis comprises the candidate’s own work and it is his own personal achievement. He has completed his research work to our entire satisfaction.

### Supervisor

  
Prof. K.V. Sastry  
16.5.01

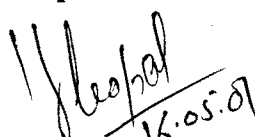
Head & Dean

Department of Biosciences

Maharshi Dayanand University

Rohtak-124001

### Co-Supervisor

  
Dr. Krishna Gopal  
16.05.01

Scientist & Head

Aquatic Toxicology Division

Industrial Toxicology Research

Centre, Lucknow-226001

*You see things, and say why ?*

*But I dream things that never were and I say, why not ?*

*- George Bernard Shaw*

*Life would become very dull and colourless, if we did not have these  
magnificent animals*

*-Pt. Jawahar Lal Nehru*