DECLARATION

I hereby affirm that the work presented in this thesis is exclusively my own and there are no collaborators. It does not contain any work for which a degree/diploma has been awarded by any other University/Institution. A part of this work has already been published.

Ravinder Kumar
(Candidate)
06 06 2011
Day Month Year
Department of Biotechnology
Punjabi University, Patiala 147 002

Countersigned

Dr. R. S. Singh
(Supervisor)
06 06 2011
Day Month Year
Associate Professor and Head
Department of Biotechnology
Punjabi University, Patiala 147 002

Dr. B. R. Yadav
(Co-Supervisor)
06 06 2011
Day Month Year
Principal Scientist
National Dairy Research Institute
Karnal 132 001