

DECLARATION

I hereby declare that the entire work incorporated in the present thesis titled “Studies on bioaccumulation of heavy metals by earthworm *Eisenia foetida* in different wastes and field soils” is my own work and is original. This work (in part or in full) has not been submitted to any university for the award of a degree or a Diploma.

(Deepak Kumar Bhartiya)

Dated : July , 2013

Place : Gorakhpur

ACKNOWLEDGMENTS

I express my deep sense of gratitude to Dr. Keshav Singh, Lecturer, Department of Zoology, D.D.U. Gorakhpur University Gorakhpur for constant supervision, encouragement, various supports during the entire course of present study and critical perusal of the manuscript.

I am grateful to Prof. V. B. Upadhyay, Head, Department of Zoology, D.D.U. Gorakhpur University Gorakhpur for providing necessary laboratory facilities, help and constructive suggestions.

I especially thank to Prof. C.P.M. Tripathi, and Prof. Rajendra Singh, Department of Zoology, D.D.U. Gorakhpur University Gorakhpur for their help and constructive suggestion during this period.

I am heartily thankful to Prof. Vinod Kumar Garg, Department of Environmental Science and Engineering, Guru Jambheshwar University, Hissar, Haryana and Dr. Adarsh Pal Vig, Head, Department of Botanical and Environmental Sciences, Guru Nanak Dev University, Amritsar, Punjab for their help and various supports during the entire course of present study.

I am thankful to Prof. D.K. Singh, Department of Zoology, D.D.U. Gorakhpur University, Gorakhpur and Dr. Gorakh Nath for their help and suggestions.

I am specially thankful to University Grants Commission (UGC), Government of India, New Delhi (Rajiv Gandhi National Research Fellowship Scheme), Award letter No: No. F. 14-2 (SC)/2010 (SA-III) for financial support during entire course of study.

I am highly obliged to my colleagues Mr. Harendra Kumar Chauhan, Mr. Yogendra Kumar, Mr. Rahul Rai and Miss. Kanchan Mishra whose active co-operation helped me in various ways.

I would like to express my deep sense of gratitude to my parents and uncle whose blessing and inspirations have always been providing me strength to overcome any difficulty in my ways.

I do owe my indebtedness to my brother, sisters, cousins, wife and my dear children who have happily stood with me at every hour of need.

(Deepak Kumar Bhartiya)