Acknowledgement

A very special thanks to my mentor Dr. Amit Jugnu Bishwas, Assistant Professor, Department of Botany, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.) for bringing me and also making me fortunate enough to work under his guidance. He has and will always be a great inspiration for me.

I wish to express my heartfelt thanks to Prof. A. N. Rai, Head, Botany Department, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.) for providing facilities in the department and encouragement to undertake the present investigation.

I pay my sincere regards to member of Thesis Advisering Committee (TAC) Prof. P.K. Khare, expert of the department and DPGC convener, Prof. Varsha Sharma, Expert of out of the department (Head Department of Zoology), Dr. Harisingh Gour University Sagar (M.P.), Prof. P. Mehta (Former Head) for their precious guidance and useful suggestions that lead me to carry out my work properly.

I am obliged to express my great gratitude to Prof. Deepak Vyas, Department of Botany, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.) for their constant encouragement and suggestions.

I am highly thankful to Dr. Pradeep Kumar Tiwari, Herbarium Assistant, Department of Botany, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.), who allowed me to carry out the work with all his support.

I also pay my regards to all faculty and staff members of Department of Botany, Dr. Harisingh Gour University Sagar (M.P.), for their timely support in technical as well as non technical work.

I express my sincere thanks to Divisional forest officers (DFOs), north and south forest division Balaghat for providing and permit me to survey. Also
thanks all range officers, circle in-charge forester, forest guards who support me for their kind help during survey and photographing.
I am also thankful to all participants, local villagers, hakims, vaidhyas, of Balaghat district those given me valuable information related to my research work.
I am indebted to Prof. Bhupendra Kumar Bramhe, Department of Botany, Govt. J.S.T.P.G. College Balaghat, who encouraged me time to time by discussing the problem critically and provided valuable suggestions and moral support, without which it would have been impossible to bring this work in present form.
I am also thankful to Prof. S.P. Bajpai, Dean (Research) & Professor of Environmental Science, Amity University, Gwalior (M.P.) for his multifarious help at the time of the completion of present investigation. This work would not have come up so well if he has not helped me in the processing of the thesis.
Ongoing support has also been provided by my friends and research scholar of Dr. Harisingh Gour Vishwavidyalaya, Sagar, (M.P.) who directly or indirectly contributed to my work and for the wonderful times we had together. Dr. Ashok Shukla, Dr. Siddhartha Singh, Mr. Babulal Chadar, Mr. Prakash Kushwaha, Mr. Rafiq Ahmad Dar, Mr. Ramnarish Chandrapuriya, Ms. Neha Jain, Ms. Nivedita Uikey, Ms. Vandana Bharti, Ms. Keerti Dehariya, all the research scholar of the department.
It is my pleasure to record sincere thanks to my friends Dr. Onkar Salunkhe, Ms. Jaishri Suryawanshi, Mr. Vijay Dandre, Mr. Chhote Raja Patle, Ashok Dhurwey and Mr. Hari Shankar Yadav for pointing out small mistakes and sorting out the problems during the practical work and thesis
writing and also thanks to Ms. Surekha, Mr. Triratnesh, Mr Gopal, Mr Puskar, Mr. Makhan, Mr Mukesh and my hostel friend Bhabha Hostel, Dr. Harisingh Gour Vishvavidyalaya, Sagar (M.P.) and my all friends for the co-operation and help as and when needed by me.

Special thanks to UGC for providing financial support.

Heartiest thanks to my parents, Mr. Sarvan Lal Gwalwanshi, my mother Mrs. Champa Gwalwanshi who blessing me always, Mrs. Smriti Bishwas, my elder brother Mr. Nand Lal Gwalwanshi, Sister Ms. Kusum and Ms. Gayatri, nephew Karan Gwalwanshi and nieces Niharika and Lisa for their affectionate cooperation and blessing which always have been source of inspiration for me.

I feel deeply obliged and beholden to my beloved elder brother Mr. Jhanak Lal Gwalwanshi and brother’s wife Mrs Sarasvati Gwalwanshi, without their willing co-operation, help and affection, without whom it was impossible for me to complete my work.

Lastly, I would like to thank the almighty, for being with me and giving me the strength and confidence to present myself forward in a most persuasive and sensuous degree.

Place Sagar

Daulat Ram Gwalwanshi

Date