

ACKNOWLEDGEMENTS

I express my sincere gratitude to my research Guide, Dr. S.D. Bonde, M.Sc., Ph.D., F. B. S., F.Pb.S., Scientist 'F'(Retired), Department of Palaeobiology who believed that I had the potential to do research. Without his encouragement and help, it would not have been possible for me to carry out the present work to completion. I consider myself very fortunate to work under his guidance at the well known and well established Maharashtra Association for the Cultivation of Science - Agharkar Research Institute, Pune.

I am thankful to Dr.D.R. Ranade, Acting Director and Dr. V.S. Rao, Former Director, Agharkar Research Institute, Pune for extending research facilities and freedom for participating in the scientific activities during my research tenure.

I am extremely thankful to Dr. N.V. Biradar, Former Professor & Head, Department of Botany, University of Pune; Dr. A.R. Kulkarni, Former Professor & Head, Department of Life Sciences, University of Mumbai; Dr. (Mrs.) Shyamala Chitale, Curator & Head, Palaeobotany Section, Cleveland Museum of Natural History, University of Cleveland, Ohio, U.S.A.; Dr. Manju Banerjee, Former Professor & Head, Department of Botany, University of Kolkata and to Dr. B.A. Vagyani, Former Reader, Shivaji University, Kolhapur for their suggestions and encouragement from time to time.

It is my pleasant duty to thank sincerely to my colleagues in the Palaeobotany unit, Mr. Pradeep Gamre and Dr. Sudhakar Chate who have helped me in many ways in compiling this work. I am thankful to Dr. K.P.N. Kumaran, Dr. Rajshekhar, Dr.V.D. Borkar, Dr. K.G. Kulkarni, Mr.C.M. Awere, Mr. S.S. Deshmukh and Mr. B.A. Kawthekar of the Palaeobiology Group for their help and encouragements. I am also thankful to Dr. D.K. Kulkarni and Mr. M.D. Chavan of the Botany Group for their help in the field work and in the comparison of fossils with extant floral elements.

I express my sincere thanks to Dr. (Mrs.) Kanchanganga Gandhe and Dr. R .V. Gandhe for constructive suggestions, help and moral support during the course of present research work.

It is my sincere duty to thank Dr. Naresh Chandra Mehrotra, Director, Birbal Sahni Institute of Palaeobotany, Lucknow, for the library facilities and accommodation during my stay at the Birbal Sahni Institute of Palaeobotany, Lucknow. I would also like to thank Dr. J.S. Guleria, Dr. R.C. Mehrotra, Dr. A.K.Srivastava and Dr. (Mrs.) Rashmi Srivastava, who helped me in the procurement of the literature and for fruitful discussions.

I am thankful to Dr. S. N. Kulkarni, Librarian, Agharkar Research Institute for his help in the procurement of some of the literature.

I have to acknowledge with respect and regards the help of Mrs. Hemlata S. Bonde in the procurement of literature from the Jayakar Library, University of Pune and also for constant encouragement and good wishes.

I am highly obliged to Dr. K.S. Mohite, Principal, K.M.C. College Khopoli, District Raigad, Maharashtra, for constant encouragement and allowing me to continue my research work. I would like to express my sincere thanks to Dr. K.G. Karandikar, Head Department of Botany, K.M.C. College, Khopoli and my colleagues in the College, Dr.A.S.Kandhare, Prof. D.P. Haridas, Mr. G.N. Dabhade and Mr. D. M. Devkate who have supported me and encouraged me to continue and complete the research work.

I am extremely thankful to Mr. Amol Kulkarni for his help in the preparation of photographic plates.

My acknowledgements would remain incomplete if I do not express my deep sense of gratitude towards my family members and relatives. It is their love, blessings, continuous encouragement and support that enabled me to complete this research work. I really admire and appreciate the moral support given by my father Mr. Sharadchandra Nipunage and my mother, Mrs. Shalini Nipunage. I am also thankful to my wife, Mrs. Dipali Nipunage, son, Sanket and daughter, Sanchita for their help and cooperation during the entire period of my research work.



A handwritten signature in black ink, appearing to read "Dinesh Nipunage".

Dinesh Sharadchandra Nipunage
(Research Student)