ACKNOWLEDGEMENT

I am most fortunate person to get respectable Prof. Avinash B. Ade, Professor, Department of Botany, University of Pune, Pune as my research guide. It gives me a great pleasure to express my heartiest gratitude towards him. I could complete this piece of work only because of his highly capable and tireless guidance throughout the research period with parental care and affection. His constant encouragement and inspiration will always help me to withstand any adverse condition in the future. My all attempts have limitations to express my gratitude towards him.

I am grateful to respected Prof. V. S. Kothekar, Head, Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and Prof. Ashok Chavan, Department of Botany and C.O.E Dr. Babasaheb Ambedkar Marathwada University, Aurangabad for providing necessary facilities and valuable guidance.

I am also thankful to my teacher Prof. L.V. Gangawane (Emeritus Professor), Prof. D. S. Mukadam, Prof. D. S. Pokle, Dr. P.B. Papdiwal, Dr. Arvind Dhabe, Dr. Smt. S.S. Barve, Dr. Captan Bharti Jadhav, Dr. Milind Sardesai, Dr. Narayan Pandhure and all teaching and non-
teaching staff of Department of Botany Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

It is my duty to express thanks to my research colleagues Mr. Pawan Shingare, Dr. Shaikh Shafiq, Mrs. Sarika Ade, Ms. Sandhya Jaibhay, Mr. Sachin Chavan, Mr. Shankar Sanap, Mr. Babasaheb Kungar, Mr. Shaikh Shoyeb, Dr. Prashant Pangrikar, Mr. Shantanu Chavan Dr. Rajesh Gaikwad, Mr. Dhondiram Gadhile, Mr. Rajendra Kakde, Mr. Shrikant Mane, Ms. Sunita Bhosale, Ms. Akanksha Kedar, Mrs. Priyanka Ingle, Ms. Kavita Gaisamudre, Ms. Jennet Fransis, Ms. Manju Bhosale, Ms. Smitha Sebastian, Ms. Smita Kulkarni, Ms. Ketaki Khadilkar and Dr. Shilpa Deshpande.

I shall be failing in my duties if I do not mention my thanks to Dr. Selvam Daniel, Dr. Vaishali Inamdar, Dr. Pravin Khare for their valuable and continuous help in various ways.

Technical services provided by Mr. B. S. Dhokne and Mr. Sushil Pandhare are greatly acknowledge. I am thankful to Agharkars Analytical Laboratory, Pune and National Chemical Laboratory, Pune for providing necessary help.

I am very much thankful to my mother Late Mrs. Usha Aswale and my sister Ms. Prajakta Aswale gave me a warm welcome and no formalities creating a homely atmosphere. I have no words to
express my sincere gratitude to my Mother and father Late Mr. Nandkumar Aswale and my sister Ms. Prajakta Aswale, for their patience bearing throughout my education.

Lastly I express my thanks to my uncle and Aunt Mr. Joseph and Lalita Awhad, Mahi, Pandu, Manubhau, Ajay, Sameer, Sandy, Melody, Queenly and Jeejs for always being there for me.

Pranita N. Aswale