

Acknowledgement

ACKNOWLEDGEMENT

God is great to gift me with ever supporting parents who have always boosted up my confidence during hardships.

*I take this opportunity to express my profound gratitude and indebtedness to **Shri Ram Kumar Bhakat, Associate Professor, Ecology and Taxonomy Laboratory, Vidyasagar University, Midnapore** for his inspiring guidance, constant encouragement and untiring supervision throughout my research work. Without his involvement and supervision I could not be able to complete this project.*

*With a great pleasure I would like to express my deep sense of gratitude to my co-guide, **Dr. Rita Saha, Scientist D, Central Pollution Control Board, Eastern Regional Directorate, Kolkata.***

I am indebted to the faculty members of Department of Botany and Forestry, Vidyasagar University, for the necessary infrastructure and academic guidance, illuminating criticism, constant encouragement and untiring supervision throughout my project. I would like to acknowledge my gratitude to them for discussing and helping me to solve my queries. The contribution of Central Pollution Control Board, Zonal Office Kolkata, my host organization, to the completion of this thesis, is beyond words.

Contribution of The Bharat Coking Coal Limited (BCCL) in providing the study area and necessary assistance is deeply acknowledged.

Information gathered from the Department of Environmental Science and Engineering, Indian School of Mines - IIT, Dhanbad, has been of immense help in this research. Special thanks are conveyed to Miss. Dolly Bhattacharya of ISM-IIT, for administrative help.

*Technical guidance provided by KCP Sugar and Industries, Vuyyuru, Andhra Pradesh, is very much appreciated. I wish to offer my sincere thanks to all my well wishers, specifically, **Dr. Subrata Das, Mr. Krishnarka Ghosh, Dr. Ramanuj Banerjee and Dr. Subrata Nag**, who have encouraged me to complete this study by constant positive spiritualism.*

*Last but not the least, the person with whose contribution the academic formalities regarding thesis were completed during my ill health, is my husband **Mr. Sanjoy Mukherjee**. I have no words to thank him.*

Chitralkha Sengupta