ACKNOWLEDGEMENT

I am deeply indebted to Dr. P. Rajaguru, Reader, Department of Environmental Science, P.S.G College of Arts and Science, Coimbatore, for his invaluable guidance, indefatigable effort and meticulous care taken in my work. I wish to express my sense of gratitude and profound thanks for his unstinted help and encouragement throughout this work.

I owe my sincere and wholehearted thanks to Dr. B. Sampathkumar, Secretary, P.S.G College of Arts and Science, Coimbatore, for his constant encouragement and making available all the facilities needed to carryout the work.

It’s my privilege to place my heartfelt thanks to Dr. (Mrs) Sheela Ramachandran, Principal, P.S.G College of Arts and Science, Coimbatore, for facilities provided and constant encouragement throughout the project.

I am thankful to Dr. S. Pattabhi, Head of the Department, Department of Environmental Science, P.S.G College of Arts and Science, Coimbatore, for his encouragement and facilities provided.

Words appear insufficient to reveal my sincere thanks to Dr. K. Kalaiselvi, Reader, Department of Environmental Science, P.S.G College of Arts and Science, Coimbatore, and Dr. M. Palanivel, Reader, Department of Environmental Science, P.S.G College of Arts and Science, Coimbatore, for their constant encouragement and caring throughout my study.

I express my sincere thanks to Dr. K. Shanthi, Reader, Department of Environmental Science, P.S.G College of Arts and Science, Coimbatore, and to Dr. K. Kadirvelu, Scientist-C, DRDO, New Delhi, India, for their encouragement throughout the study.

It deeply touched my heart and felt the sweetness in thinking and thanking my sweet friends Mrs. M. Geetha, Mrs. C. Karthika, Mrs. B. Angayarkanni, Mr. C. Nahendran, Mrs. M. Radhika, Mrs. Anuradha, Mrs. S.R. Sugunadevi, Mr. Rajeshkumar, Mr. Rishiram, Mr. Balasubramaniyan, Miss. Pushpa and Miss. Shanthi P.S.G College of Arts and Science, Coimbatore, for their prayers and care taken during the period of my study.

No words to express my gratitude to my juniors Miss. J. Fathima Jannathul Firdouze, and Miss. A. Vijayashanthi, Research Scholars of my department for their continuous help and care taken throughout my study without which this work would have not been completed.
I extend my deep sense of gratitude to my friends Mr. Rajakumar, Mr. Selvakumar, Research Scholars, Bharathiar University, Coimbatore, and Mr. Ramkumar, Research Scholar, Bharathidhasan University, Trichirappalli, for their timely help throughout the study.

I deeply immense with the sacrificing help of Dr. Sureshkanna, who had given me his supporting hand to complete my research work, and I thank for his kind help and advice throughout my work.

I searched for an opportunity and finds it now... it timely delivers with pleasure rather than pressure..... And I deeply convinced by thanking my dear and respected teaching staff Mr. R. Swaminathan, Department of Business Management, and Mrs. Bharathi, Lecturer, Department of English, P.S.G College of Arts and Science, Coimbatore, for their enough brotherly hood care taken to complete my research work in time.

Its time for me to express my sincere thanks to my juniors Miss. H. Kasthuri, Mrs. N. Manjula, Miss. B. Ranjini, Mr. Jagadeesvaran, Mr. K. Manikavasagam, Miss. G. Nithya, Mrs. V.K. Radhika, for their timely help during my project work.

I thank Mr. P. Manikandan, Microbial Lab In-charge, Aravind Eye Hospital, Coimbatore, for sacrificing his valuable time for me during my work.

I express my sincere thanks to my friends Mr. Dhananjayan, JRF, Mr. Jayakumar, CSIR-SRF, SACON, Coimbatore, and to my friend Mr. G. Vishnu, Research Scholar, School of Environmental Science, Anna University, Chennai. For there help and support during my study.

I thank my seniors cum brothers Mr. Krishnabarathi, Mr. V. Seenivasan, Mr. D. Rajaprabhu, for their co-operation through out the project.

I place on record my whole hearted thanks to Mr. Selvakumar, Head, and to my brother Mr. V. Chandrasekar, and also to my college mates Mr.S. Meenatchisundaram, Mr. E.M. Rajesh, Miss. Priya Grace, Mrs. Savitha, Mr. Udaykumar, Department of Microbiology, P.S.G College of Arts and Science, Coimbatore, for their constant co-operation through out the project.

I thank Mrs. M. Hemalatha, Lab Incharge, Central Research Lab, P.S.G College of Arts and Science, Coimbatore, for her timely help for the analysis of the samples

I express my heartfelt thanks to Mr. R. Yagonantham, Lab Incharge, for his patient throughout my study.
It is my duty to thank the **Non-teaching staffs** of P.S.G College of Arts and Science, Coimbatore, and **Workers** of the various metal related industries, who donated blood samples to carry out my project, without which my project work would be a question mark and I surrender my heart full of thanks to their valuable and sacrificing help.

I salute and express my gratitude to the **University Grants Commission - INDIA** for selecting me as **Junior Project Fellow (JPF)** and **Council of Scientific & Industrial Research - INDIA** for selecting me as **Senior Research Fellow (SRF)** and for their financial support throughout the study.

Special and deep thanks are to be extended to **my seniors and juniors** for their voluntary help in time of need.

---

*It is not the formality, but my feather heart still beats to deliver one more thing... that too at last... but not the least..., its gratitude to my*

**Beloved Parents**

and to my

**Sweet Brothers.**

- Elayaraja.T