

# ACKNOWLEDGEMENTS

---

## ACKNOWLEDGEMENTS

---

Undertaking this PhD has been a truly life-changing experience for me and it would not have been possible without the support and guidance that I received from many people. First and foremost, I would like to express my sincere gratitude to my guide Prof. (Dr.) Someshwar S.Bhattacharya for the continuous support during my Ph.D study and research, for his patience, motivation, enthusiasm, and immense knowledge. His guidance helped me in all the time of research and writing of this thesis. I could not have imagined having a better advisor and mentor for my Ph.D study.

Besides my guide, I would like to thank my Departmental course work Co-ordinator: Prof.(Dr.) M V.Koranne, Head, Textile Engineering Department for his encouragement, and insightful comments.

I would like to thank Management of Sarvajanic College of Engineering and Technology for giving me permission to commence this thesis, to do the necessary research work. I would like to thank Principal – Dr. Vaishali Mungurwadi for her kind support during my bad phase of health.

I express my sincere gratitude to Shri Sushil Hada, AVP – TRADC, Birla Cellulose, Grasim Industries Limited, for his guidance and generosity with which he provided excellent atmosphere for doing research. He has always been a tremendous help no matter the task or circumstance with a smiling face, a warm and friendly heart. I would like to thank Shri Vijay Ramkrishnan, Head-TRADC and Shri Kiran Pandya, G.M.- Business Development for their kind support during the work. I gladly acknowledge the contribution of Shri Alkesh Darji, Shri Ganesh Jadhav, and Ms.Ankita Kaushik. Other members of TRADC also deserve my sincerest thanks for their strong support during the work.

My sincere thanks goes to all the faculty members, teaching and non-teaching staff of the department for always being so helpful and friendly. Special thanks to Mr. Amrish for his services in connection to UV Transmittance tester and Moisture Management Tester.

I would like to take this opportunity to express my most heartfelt appreciation to Dr. Girish N. Vaishnav- Consulting Physician, Dr. V. C. Chauhan- Interventional Cardiologist, Dr. Chetan Trivedi- Neurologist, Dr. Deep R. Patel- Gastroenterologist, Dr. Sandhya Harpale – Consulting Gynaecologist, Dr. Sunil Pradhan- Skin & VD Specialist, Dr. A.K.Malavia- Consultant Physician, Dr. Sandip S. Bhagat- Consultant Physician for not only their skill but their compassion throughout the treatment. Having been in good health for most of my life finding out I had a Coronary Artery Disease was a very scary diagnosis for me and my family as well. Their skill, knowledge and positive outlook played a major role in my recovering so well and so quickly. I truly feel that I was blessed to find myself placed in their more than capable hands.

Words fail me to express my appreciation to my husband Prof.(Dr.) Jitendra R. Ajmeri who has been by my side throughout this work, living every single minute of it, and without whom, I would not have had the courage to embark on this journey in the first place.

I would like to dedicate this work to my father Late Dr. Narendra B. Joshi and mother Late Mrs. Prabha N. Joshi who stood by me through the good times and bad, cheering me up. I would like to thank my in- laws Shri Rameshbhai G. Ajmeri, Smt. Parvatiben R. Ajmeri and brother-in-law Dr. Sanjay R. Ajmeri, his wife Bhakti for supporting me.

It is a pleasure to express my gratitude wholeheartedly to my elder sister Jyoti Pitke, and her husband Dr.Pradeep Pitke, my younger sister Swati and her husband Shri Narendra Mujumdar, my elder brother Shri Hemant Joshi & his wife Mrs. Rohini, my younger brother Shri Aaditya Joshi and his wife Jayshree and my nephews and niece – Gauri & Vishal, Pancham & Poonam, Gurudatt & Sweta, Gopi, Jalpa, Priyank, Malhar and Ansh for the care and moral support. My very sincere thanks to the family members of my guide - Mrs. Dolon S. Bhattacharya and Ahana for their generous care and the home feeling whenever I was in need during my stay in Baroda. I would also like to thank Dr. Hajari uncle and Dr. Sudevi aunty for their love and affection.

Finally, I would like to thank my friends and everybody who was important to the successful realization of thesis, as well as expressing my apology that I could not mention personally one by one.

Above all, I owe it all to Almighty God for granting me the wisdom, health and strength to undertake this research work and enabling me to its completion.

***Vadodara***

***Joshi Chitra Narendra***

***August 06, 2016***