ACKNOWLEDGEMENT

Foremost, I would like to express my sincere gratitude to my advisor Prof. D.M. Vyas, professor and head, Department of Processing and Food Engineering, College of Agricultural Engineering and Technology, Junagadh Agricultural University, Junagadh, for the continuous support of my M.Tech 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 M.Tech study.

I am obliged to the Co-guide of advisory committee Dr. P. J. Rathod, Assistant Professor, Department of Biochemistry, JAU, Junagadh and member of advisory committee Dr. M. N. Dabhi, Research Engineer, AICRP on PHET, CAET, P. Cholera, Assistant Professor and Prof. N. K. Mistry, Processing and food Engineering Department, College of Agricultural Engineering and Technology, Junagadh Agricultural University, Junagadh for their valuable & timely guidance & suggestions during the course of studies and keenly reviewing the manuscript of the thesis.

I acknowledge with thanks to Dr. A. R. Pathak, Honorable Vice-chancellor, Junagadh Agricultural University, Junagadh and Dr. V. P. Chovatiya, Director of Research & Dean P.G. Studies Junagadh Agricultural University, Junagadh for providing necessary facilities for conducting the research work.

I also express my sincere thanks and respect to Dr. N. K. Gontia, Principal and Dean, College of Agricultural Engineering and Technology, Junagadh Agricultural University, Junagadh and Dr. B. A. Golakiya, Professor and Head, Department of Biochemistry, College of Agriculture, Junagadh for their constructive suggestions..

I also express my sincere thanks to, Junagadh Agricultural University, Junagadh, Dr. V. K. Chandegra, Assistant Professor, Polytechnic in Agroprocessing Department, Prof. P. R. Davara, Assistant Professor, Assistant Professor, Dr. V.P Sangani, Processing and food Engineering Department, College of Agricultural Engineering and Technology, Junagadh, Prof. A. M. Joshi, Assistant Food
Acknowledgement

Microbiologist, Processing and food Engineering Department, College of Agricultural Engineering and Technology, Junagadh for their valuable suggestions.

I wish to express my deepest gratitude to all the staff members of the Department of Processing & Food Engineering, College of Agricultural Engineering and Technology, Junagadh and Department of Biochemistry, JAU, Junagadh, for their continuous help and constructive suggestions during the course of the study.

I wish to convey my special thanks to my friends Bharat bhai, kamlesh lal bhai, saurav dash, Kunal oza, karamchand, Sanjay krishanan, promod, Nikunj bhai, Abhisha, vaishali, neha jinal and all other for their co-operation and excellent company throughout my post graduate curriculum.

Diction is not enough to express my gratitude to my beloved family whose selfless love, filial affection, constant encouragement, obstinate sacrifices, sincere prayers, expectations and blessings have always been vital source of inspiration in my life. One last word; since it is practically impossible to list all the names who contributed contributions to my work, it seems proper to issue a blanket of thanks for those who helped me directly or indirectly during the course of study.

Finally, I thank God for bestowing me with divine spirit, essential strength and necessary support to find my way towards a glorious career amidst several hurdles and struggles.

Place: Junagadh
Date: 17/06/2017

(BHUKYA JITHENDER)