

DEDICATED TO MY  
FAMILY

## ACKNOWLEDGEMENT

Writing this thesis brings me to the end of my PhD, and I must say that it would not have been possible without the inspiration and support of many others. I dedicate this page to everyone who helped make this study and thesis a success.

To begin, I thank the Almighty for continually blessing me and providing opportunity as I follow my path. For giving me the strength and bravery to cross the stormy roads and emerge as a strong individual who believes in themselves. I pray that he will be with me forever, as he always has been.

First and foremost, I would like to express sincere gratitude to my guide Dr. Pradeep C Mankodi who has been wonderful man to work with. Being with him, I have learnt skills of management, planning, reading in-between the lines for both books and people, strategy making and of course enjoying the work. I immensely value the freedom he gave me for shaping up an idea and executing it, for the trust he showed in my work and for always being available when anything went south. The support and guidance you have offered throughout resulted in valuable accomplishments in my tenure. I shall always be thankful for that.

I would like to express my deepest appreciation to the Dean of the Faculty of Science, Prof. Haribhai Katariya. Your visionary leadership and unwavering commitment to academic excellence have provided a nurturing environment that has been instrumental in the successful completion of my research. Your support and encouragement have been invaluable, and I am profoundly grateful for your belief in my potential.

I am equally indebted to the Head of the Department of Zoology, Prof. B. Suresh. Your guidance, insightful feedback, and support have been crucial throughout my PhD journey. I would also like to extend my sincere thanks to the former Heads of the Department, Prof. Dolly Kumar, Prof. Pragna Parikh and Prof. Kauresh Vachhrajani for their continued support and encouragement.

I would like to extend my warm thanks to the teaching staff of the department, Dr. R. V. Devkar, Dr. Hetal Roy, Dr. Prakash Pillai, and Dr. Gowri Kumari, for their unwavering support.

I also extend my gratitude to the non-teaching staff of the department for their generous cooperation, which ensured the smooth functioning of administrative work. I would like to thank Mr. Shailesh Chikne, Mr. Hemant Parmar, Mr. Hitesh Suthar, Mr. Gulab Yadav, Mr. Rajesh Nayak, Rajubhai, Mukeshbhai, Najiribhai, Dilipbhai, and Shankarbhai for their invaluable support and assistance.

I am thankful to SHODH - Scheme of Developing High Quality Research fellowship, Government of Gujarat, for providing the financial support for my research work.

I am deeply grateful to my lab mates and colleagues, whose unwavering support and camaraderie have been instrumental throughout my PhD journey. I would like to extend my heartfelt thanks to Mr. Dhaval Bhatt for suggesting this fascinating research topic on Elasmobranchs and for his continuous support and care whenever needed. I am profoundly thankful to Ms. Gazala Sheikh, Ms. Pooja Agravat, Ms. Asmita Chavda, and Mr. Hardik Giri Gosai for creating such a positive and friendly atmosphere. Their constant encouragement and ability to lift my spirits during challenging times have made this journey much more enjoyable. Their willingness to entertain my frustrations and offer help whenever needed has been a source of immense comfort. I cherish the moments of laughter, the stimulating discussions, and the collaborative efforts that we have shared. Each one of you has contributed significantly not only to my academic growth but also to my personal well-being. Your support has been a pillar of strength, and I am honored to have such wonderful well-wishers and friends. Thank you all for being an integral part of this journey.

I extend my special thanks to Mrs. Niketa Mehta for her invaluable support in the compiling of this thesis. Her suggestions on the research topic and her assistance with formatting thesis have been indispensable. Thank you, Mrs. Mehta, for your dedication and for always being there to provide insightful advice and support.

I would like to express my heartfelt gratitude to Dr. Jalpa Jadeja and Ms. Foram Jadeja for their unwavering support and for providing me with a nurturing and homely environment throughout my PhD journey. Their unconditional love, care, and encouragement have been a constant source of strength and inspiration. They have stood by me through every challenge, offering not only their professional guidance but also their personal warmth and companionship. Their presence in my life has been

invaluable, and I am deeply thankful for their profound impact on both my personal and academic growth. They have been my pillars of support, always ready to lend a listening ear and offer wise counsel. Their kindness and generosity have made this arduous journey more manageable and have filled it with moments of joy and comfort. I am eternally grateful for their belief in me and their dedication to my success. Their influence extends far beyond the completion of this thesis; they have enriched my life in ways words cannot fully capture.

I would like to extend my deepest gratitude to Ms. Swati Fumakiya for her unwavering support and companionship throughout my PhD journey. Swati, your presence has been a constant source of strength and comfort. You have shared in my joys and sorrows, patiently listening to my rants and providing a shoulder to lean on. I am immensely grateful for the countless times you stayed back on campus to keep me company while I worked late, even when your own tasks were complete. Your readiness to handle any work in my absence has been invaluable. Your encouragement, support, and love have been pivotal in my journey, and I cannot thank you enough for everything you have done. You have managed my anger and entertained my frustrations with grace and patience, making the difficult times more bearable. Your unwavering belief in me has been my greatest motivation, and for that, I am eternally grateful.

I extend my deepest gratitude to Agradeep Mohanta for his unwavering and unconditional support throughout my research journey. His introduction of new and compelling topics has significantly enhanced the scope and depth of my PhD work, making it far more comprehensive and impactful. Agradeep, your invaluable insights, innovative ideas, and continuous encouragement have been a cornerstone of my academic progress. You have played a pivotal role not only in shaping my research but also in boosting my confidence and perseverance. I am profoundly thankful for your guidance, mentorship, and friendship, which have been instrumental in my success. Your support has made a lasting impact on my PhD journey, and I am eternally grateful.

I would like to express my gratitude to my friends and fellow research scholars Mr. Parikshit Dhaduk, Mr. Narrotam Priyadarshi, Ms. Rifat Khira, Mr. Krupal Patel, and Mr. Rhythm Karnik, Mr. Biplab Banerjee for their unwavering support.

I acknowledge the invaluable support received from Mr. Mayurbhai Dhamecha from the Academic section. His readiness to assist and his ability to solve queries efficiently, always with a smiling face, have been immensely helpful.

I am deeply thankful to Dr. Hitesh Kardani, Research Officer Sikka, for his invaluable suggestions and guidance throughout my PhD research work. His expert advice and insightful feedback have been instrumental in refining my research and overcoming numerous challenges.

I would like to extend my sincere gratitude to the officials of the Fisheries Department, Mr. V. K. Gohil, Mr. Jaydeep Barad, Dr. Imtiyaz Belim; Mr. Kishan Lodhari, from NETFISH- MPEDA; Dr. A. J. Bhatt and Mr. Yagnesh Motivarash from Veraval Fisheries College, for their invaluable assistance during my initial field visits. Your support and cooperation were instrumental in facilitating my research activities and ensuring the smooth execution of fieldwork.

I would like to extend my heartfelt thanks to all the fishermen and traders from various coastal regions of Gujarat for providing me with invaluable information crucial to my research. Your willingness to share your knowledge and experiences has been essential to the completion of my research work. Without your support and cooperation, this research would not have been possible. I am deeply grateful for your contributions, which have significantly enriched the quality and depth of my study.

I would like to express my sincere gratitude to Mr. Kristan Dhodi for his assistance during the initial stages of my research. Also, I am deeply thankful to Mr. Chirag Maru for his unwavering support during the field visits.

If I have inadvertently forgotten to mention anyone by name, I sincerely apologize. I would like to extend my heartfelt thanks to all those individuals who have directly or indirectly contributed to my academic journey. Your support, encouragement, and assistance, whether large or small, have been invaluable in shaping my scholarly life. I am deeply grateful for your contributions. Thank you for being a part of this incredible journey.

I owe a debt of gratitude to The Department of Zoology and The Maharaja Sayajirao University of Baroda which is ceaseless companion of my higher education journey.

The lesson I learned in the past 10 years made me more confident and taught real world dealing. The journey I traversed had huge turmoil, but it eventually melded me into the best version of myself. The Maharaja Sayajirao University will always be an enduring period that will be treasured throughout my life.

Last but not least, express my heartfelt gratitude to my family for their unwavering support and encouragement throughout my PhD journey. My parents' unconditional love and belief in my abilities have been my greatest source of strength, providing the foundation for my academic pursuits. Your love and support have been the driving force behind my accomplishments, and I am eternally grateful for everything you have done for me.

**- AJAY BALDANIYA**