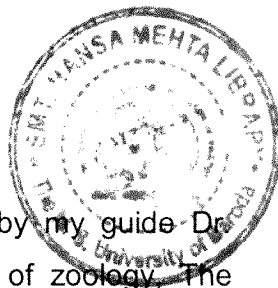


ACKNOWLEDGEMENTS



Fervently, I acknowledge the genuine inspiration offered by my guide - Dr. Kauresh D Vachhrajani, Associate professor, Department of zoology, The Maharaja Sayajirao University of Baroda. The present work bears at every stage the impression of his concrete suggestion, criticism and careful attention towards the details of the thesis. I will always admire his enthusiasm towards work.

I am thankful to Dr. Geeta Padate, In-Charge Head of the Department of Zoology, for providing me departmental facilities, constant support and encouragement. I am also thankful to Prof. A V Ramachandran, former Head of the Department of Zoology for his valuable support in providing the departmental facilities during his tenure as Head of the Department. I express my sincere thanks to Dr. P C Mankodi, Associate Professor, Department of Zoology, for his suggestions and encouragement during the course of my work. I am also indebted to place my thanks to Dr. B Suresh, Associate Professor, Department of Zoology, for allowing me to work on new microscope for microphotographic work.

I acknowledge the support provided by UGC Delhi, India who has funded my research work under the scheme of Research Fellowship in Science for Meritorious Student (RFSMS).

I express my thanks to Sun Pharma Advance Research Company Ltd., Vadodara for supplying the animals whenever required. I acknowledge SAIF, IIT Mumbai and SICART, Anand for their instrument facilities (ICP and GCMS respectively) which enriched the observations leading to better understanding of the toxic responses. I also acknowledge Dr. Tushar Toprani, Toprani Advance Lab Systems, Vadodara, for allowing me to utilize their resources for hormone estimation. I am very thankful to Mr. Bharatkumar, Shree Krishna Patholab, Dabhoi and Mr. Mukesh, Matru Histopathological work, Vadodara for helping me in blood indices studies and histological slides preparation, respectively.

Big thanks to all my Colleagues and friends, who have shown patience and dedication in assisting me in formatting the thesis references especially to Nirjara Gandhi, Swati Desai, Sandhya Godshe and Khushali Pandya.

My warmest thanks also extend to my other work mates and colleagues, for providing the right environment in the laboratory. In this context I thank, Chandni Patel, Ankita Parikh, Jaymesh Thadani, Bhavya Mathur, Deepak Patel, Dr Ravirajsinh Jadeja and Dr. Menka Thounaojam.

My thanks also go to all teaching and non teaching staff members in the Department of Zoology for their help and assistance in my studies. Thanks to my graduate and post-graduates fellows, Divya, Manisha, Bhairavi, Shagufta and Renuka. Thank you all for the wonderful company.

I thank Mrs. Dipti K Vachhrajani for all her blessings and words of encouragement during the course of my work.

My special thanks is due to my brother, for his inspiration and motivation, care and always believing in me. I also thank my sister-in-law for her support and love.

Finally, I want to thanks to my family for their unending support. My parents taught me discipline, the value of hard work and the importance of seizing opportunity and trying new things. Thank you for supporting me through my decisions and encouraging me in my entire Endeavour's.



KIRAN MORYA

Vadodara

19-04-2012