

## ACKNOWLEDGEMENT

Here, at this juncture, I would like to express my gratefulness to the lord almighty, who has given me the strength and wisdom to complete this work successfully.

First and foremost, I would like to thank my honorable supervisor **Prof. G.P.Dubey**, Professor of Eminence, cum Study Director and Coordinator IIISM, SRM University for his guidance, constant encouragement and patience during the period of research work, I am very fortunate to work under a guide like him.

It is my pleasure to express my sincere gratitude to **Prof. PrabirK.Bagchi**, Vice-Chancellor, Pro Vice-Chancellor **Dr. T.P.Ganesan**, **Dr. P.Thangaraju**, former Pro Vice-Chancellor (Medical), **Dr. N.Sethuraman**, Registrar, **Dr. C.Muthamizhchelvan** Director (Faculty of Engineering), **Dr. D.Narayana Rao**, Director (Research), **Dr. S.V.KasmirRaja**, Dean, (Research) of SRM University, Kattankulathur, for their permission to conduct my research work which has enabled me to enhance my knowledge and skills.

I would extend my heart-filled acknowledgement to **Dr. Aruna Agrawal**, (Professor, Department of Kriya Sharir, Faculty of Ayurveda, IMS, BHU) for her support in completion of the work. She has been very encouraging and supportive during this research period and also she has spent her valuable time in sharing her knowledge.

I would like share my sincere gratitude to **Dr. K. Ilango** (Dean, IIISM, SRM University) for his endless support in completion of the research work. I would also like to extend my thanks to **Dr. M.Vairamani** (Dean, School of Bioengineering, SRM University) and **Dr. S.Thyagarajan**, (HoD, Department of Biotechnology) for their support.

I would like to sincerely thank my doctoral committee members: **Dr. S.L.Maheshwari**, (Professor, Department of Pharmacology and Experimental Toxicology, Madras University, Chennai) and **Dr. K.S.Lakshmi** (Dean, School of Pharmacy, SRM

University) for their continuous support and critical evaluation throughout my research work.

I would like to thank all the faculty members of IISM, SRM University, Especially **Dr. R.Mohan Kumar, Dr. RC.Satish Kumar, Dr. MR.Ganesh, Dr. M.Muthutamil**, for their valuable support during my research work and also my other co-staffs **Mr. K.Ananth Kumar, Mrs. I.Jothi, Mr. Manikandan, Mrs. P.Mannammal, Mrs. V.Sudha, Mrs. T.Sudha, Mr. Sugan** for their support during their support.

I would like to thank all the staffs of Banaras Hindu University, Varanasi and Adesh University, Punjab who were involved in this multicenter trial project. Especially **Dr. GPI.Singh**, (Vice chancellor, Adesh University, Punjab) and **Dr. Sushma Tiwari, Mr. Sunil Dubey, Mrs. Chanda** and **Mr. Manoj** of Department of Kriya Sharir, IMS, BHU for their providing various facility support in order to commence this research work. Most importantly I take this opportunity to thank the Department of Science and Technology for funding this valuable project to the IISM.

Last but not least I would like to thank my dear friends **Mrs. S.Sandhiya** and **Mrs. N.Subhasree** for their continuous support which made my research path a feasible one.

It is not possible for me to reach this phase of life without the support of my parents **Dr. M.N.Sivadevkumar** and **Mrs. S.Nagammal** hence I would like to thank them with all my sincerity. Finally my heart filled regards to my sister cum well wisher **Miss. Lekshmipriya HR**, who stood by me as my backbone throughout the course of my research work, without her this venture would be impossible.

SHIVAPRIYA SHIVAKUMAR.