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Carolus Linnaeus (1707-1778) once said that **"A professor can never better distinguish himself in his work than by encouraging a _____ pupil for the true discoverers are among them, as comets among the stars"**. This statement is no small measure, it highlights the stimulus provided to me by the insistent but friendly guidance and advice of My supervisor, **Dr. C.R. Jejurkar**, Reader, Applied Chemistry Department, who at every stage of my work made it possible for the research to be completed.

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