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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 insistant 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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