

Department of Applied Chemistry
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Certificate

This is to certify that the thesis entitled “Transition metal complexes of quinoxaline based Schiff base ligands: Synthesis, characterization and catalytic activity study” is an authentic record of research work carried out by Ms. Manju Sebastian under my supervision, in partial fulfillment of the requirements for the degree of Doctor of Philosophy of Cochin University of Science and Technology, and further that no part there of has been presented before for any other degree.

Kochi
16-07-2010

Dr. K.K.Mohammed Yusuff
(Supervisor)

Declaration

I hereby declare that the work presented in this thesis entitled "**Transition metal complexes of quinoxaline based Schiff base ligands: Synthesis, characterization and catalytic activity study**" is entirely original and was carried out by me independently under the supervision of Dr. K. K. Mohammed Yusuff (Former Professor of Catalysis, Department of Applied Chemistry, Cochin University of Science and Technology) and has not been included in any other thesis submitted previously for the award of any other degree.

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16-07-2010

Manju Sebastian