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Certificate

This is to certify that the thesis entitled "Crystal Structures and Spectral Aspects of Mixed Ligand Transition Metal Chelates Derived from Aldehyde based ONS Donor Thiosemicarbazones" submitted by Ms. Jinsa Mary Jacob, in partial fulfillment of the requirements for the degree of Doctor of Philosophy, to the Cochin University of Science and Technology, Kochi-22, is an authentic record of the original research work carried out by her under my guidance and supervision. The results embodied in this thesis, in full or in part, have not been submitted for the award of any other degree.

M.R. Prathapachandra Kurup
(Supervisor)

Declaration

I hereby declare that the work presented in this thesis entitled **“Crystal Structures and Spectral Aspects of Mixed Ligand Transition Metal Chelates Derived from Aldehyde based ONS Donor Thiosemicarbazones”** is entirely original and was carried out independently under the supervision of **Prof. M.R. Prathapachandra Kurup**, 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.

24-09-2013

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