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30th June, 2016

CERTIFICATE

This is to certify that Ms. Rupa V Kamath has carried out the project entitled "Three-Component Coupling Involving Arynes, Aromatic Tertiary Amines and N-Tosyl Imines via Nitrogen-Nitrogen Methyl Group Migration" at the Organic Chemistry Division, CSIR-National Chemical Laboratory, Pune, India, under my supervision from 1st April 2016 to 30st June 2016 for the partial fulfillment of the degree of Master of Science in Chemistry (Pharmaceutical) of Department of Chemistry, Sacred Heart College (Autonomous), Thevara.

Dr. A. T. Biju ID. No. 2450 Senior Scientist CSIR-NCL

Valued

1. D.R. Shiny Palatty Sylvery 2. Dr. SREESHA SASI Journal