

भारतीय रासायनिक प्रौद्योगिकी संस्थान

(वैज्ञानिक तथा औघोगिक अनुसंधान परिषद)

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CERTIFICATE

This is to certify that the work incorporated in this Ph.D. thesis entitled "Total synthesis of Achaetolide, Pectinolide-A and Pectinolide-H and asymmetric Michael reactions using carbohydrate-pyrrolidine based organocatalyst" is a bonafide research work, carried out by Mr.S.V.Balaji, Research scholar, registered with Acharya Nagarjuna University under my supervision.

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