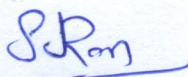


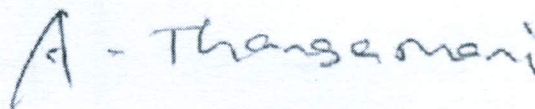
### CERTIFICATE

This is to certify that the dissertation entitled "**synthesis and spectral studies of novel spiroquinoxaline pyrrolidine derivatives**" submitted to the Karpagam Academy of Higher Education in partial fulfilment of the requirements for the award of the degree of **Bachelor of Science in Chemistry** is a bonafide record of original research work done by **Kaja Maideen B, Pooja Rani M and Resaba V S** during the period 2019-20 of their study in the Department of Chemistry at Karpagam Academy of Higher Education, Coimbatore, under my supervision and guidance and the dissertation has not formed the basis for the award of any Degree/Diploma/Associate/Fellowship or similar title to any candidate of any University.



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