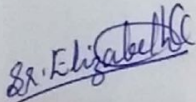


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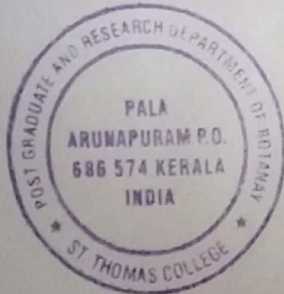
This is to certify that the dissertation entitled "*In vitro* propagation of *Vernonia cinerea* (L.) Less by nodal explants and callus organogenesis" submitted to Mahatma Gandhi University, Kottayam in partial fulfillment of the requirements for the award of degree of Master of Science in Botany is a record of original research done by **Anjaly Thankappan** during the period of her study in the department of Botany, St. Thomas College, Pala under my supervision and guidance and the dissertation has not formed on the basis for the award of any Degree/Diploma/Fellowship or similar title to candidate of any university.

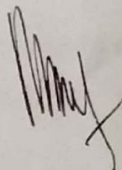


Sr. Elizabeth Kurian

Guest Lecturer

St. Thomas College, Pala



Forwarded: 

Dr. Jomy Augustine. M.Sc, PhD

Head of the Department of Botany

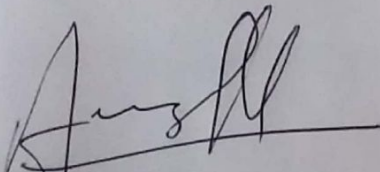
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Date: 26-07-2017

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This is certify that the dissertation entitled **A STUDY ON THE EFFECT OF DROUGHT STRESS, SALT STRESS AND HEAVY METALS STRESS ON VITAL METABOLIC ACTIVITIES FOUR VARIETIES OF *Lycopersicon esculentum*** is an authentic account of work carried by Miss.Anju Joseph under my supervision and guidance in this department during the academic year 2017 for practical fulfillment of the requirement of M.Sc. Degree in Botany of MG University.

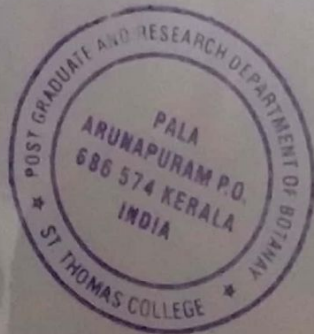


Dr.P.O.Augusthy

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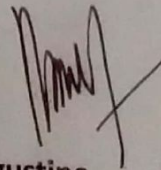
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Dr.Jomy Augustine

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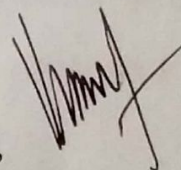
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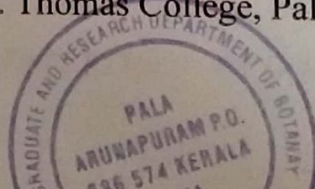
This is to certify that this dissertation entitled "**The genus *Thunbergia Retz* .in Western Ghats**" submitted to Mahatma Gandhi University ,Kottayam in partial fulfillment of the requirements for the award of the degree of Master of science in botany is a record of the original research done by Ms .GREESHMA SOMAN during the period of her study in the Department of Botany, St. Thomas college ,Palai under my supervision and guidance and the dissertation has not formed the basis for the award of any degree /Diploma/fellowship or similar title to any candidate of any university.

Dr. Jomy Augustine
Associate Professor
Botany Department

Forwarded by,



Dr. Jomy Augustine
Associate Professor
Head of Botany Department
St. Thomas College, Palai



CERTIFICATE

This is to certify that the dissertation entitled "*In vitro* propagation of *Emilia sonchifolia* (L.) DC. by nodal explant culture" submitted to Mahatma Gandhi University, Kottayam in partial fulfilment of requirements for the award of degree of Master of Science in Botany is a record of original research done by AMRUTHA R during the period of her study in the Department of Botany, St.Thomas College, Pala under my supervision and guidance and the dissertation has not formed the basis for the award of any Degree/Diploma/Fellowship or similar title to any candidate of any University.

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