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**THE RUBBER BOARD**  
(Ministry of Commerce, Government of India)  
रबड प्रसंस्करण विभाग

DEPARTMENT OF PROCESSING & PRODUCT DEVELOPMENT

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Certificate

This is to certify that the thesis entitled *Oil palm fibres : A potential reinforcement in phenolic resins* is an authentic record of the research work carried out by Ms. Sreekala M. S under the joint supervision and guidance of myself and Dr. Sabu Thomas, Reader, School of Chemical Sciences, Mahatma Gandhi University, in partial fulfilment of the requirements for the award of the degree of Doctor of Philosophy in chemistry under the Faculty of Science of the Mahatma Gandhi University, Kottayam. The work presented in this thesis has not been submitted for any other degree or diploma earlier. It is also certified that Ms. Sreekala M. S has fulfilled all the course requirements for the Ph. D. degree of the university.

  
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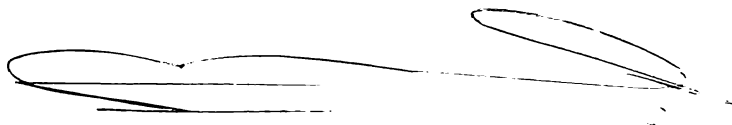
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This is to certify that the thesis entitled *Oil palm fibres : A potential reinforcement in phenolic resins* is an authentic record of the research work carried out by Ms. Sreekala M. S under the joint supervision and guidance of myself and Dr. M. G. Kumaran, Joint Director, Rubber Board, in partial fulfilment of the requirements for the award of the degree of Doctor of Philosophy in chemistry under the Faculty of Science of the Mahatma Gandhi University, Kottayam. The work presented in this thesis has not been submitted for any other degree or diploma earlier. It is also certified that Ms. Sreekala M. S has fulfilled all the course requirements for the Ph. D. degree of the university.



(Sabu Thomas)