



Dr. Sibi K. S.
Assistant Professor and Head
Department of Physics

University of Kerala
Thiruvananthapuram-695034
sibi@keralauniversity.ac.in

Certificate

Certified that the work presented in the project work entitled "Pyrochlore Structured Lanthanum Zirconium Oxide for Intermediate Temperature Solid Oxide Fuel Cell Applications" is an authentic record of bonafide research work done by ASWATHY M, under my guidance and supervision in the Department of Physics, University of Kerala, Thiruvananthapuram 695581 and no part of it has been included in any other thesis submitted previously for the award of any degree. It is also certified that plagiarism checking has been effected using the URKUND software approved by the UGC/University and that no plagiarism has been found in this thesis.

Kariavattom

12/06/2021



Sibi K S
(Guide)



Dr. MALINI K.A., M.Sc, M.Phil, Ph.D
Head, Department of Physics
Vimala College, Thrissur-9