



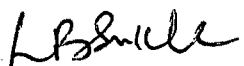
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## CERTIFICATE

This is to certify that the thesis entitled "**Microbial Desulphurisation of Coal and Biobleaching of Manganese Ore**" submitted to Utkal University, Bhubaneswar, for award of the degree in **DOCTOR OF PHILOSOPHY in Life Science** is the original research work carried out by **Ms. Celin Acharya** under our guidance and supervision. No part of this thesis has been submitted for any other degree or diploma to any other institution/university.

  
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