

CERTIFICATE FROM THE GUIDES

We certify that Mr. Manas Barai has prepared the thesis entitled “PHYSICOCHEMICAL STUDIES ON SURFACTANTS ASSEMBLIES WITH SPECIAL REFERENCE TO THE BIOSURFACTANTS”, for the award of Ph.D. degree from Vidyasagar University under our guidances in the Department of Chemistry, Vidyasagar University, Midanapore 721102, West Bengal, India.

Sudipta Dalai

Prof. Sudipta Dalai

Amiya Kumar Panda

Prof. Amiya Kumar Panda

Date: 06.01.2021

Date: 06.01.2021

Dedicated to my parents

Who have been caring for.....