Characterization of Indigenous Sewage Microbial Communities of Kolkata and their Bioremediation Potentiality in Heavy Metal Contaminated Soil

Thesis submitted for the partial fulfillment of the requirements for the degree of Doctor of Philosophy in Science

By

Chitrita Chatterjee

Under the Supervision of

Dr. Shampa Sarkar (Biswas)

Department of Life Sciences

Faculty of Natural and Mathematical Sciences

Presidency University

Kolkata, India

2021

Thesis Title: Characterization of Indigenous Sewage Microbial Communities of Kolkata and their Bioremediation Potentiality in Heavy Metal Contaminated Soil

Name of Candidate: Chitrita Chatterjee

Registration Number with date: R-14RS18210015 (Date: 5th May, 2016)

Date of Registration: 5th May, 2016

Department: **Department of Life Sciences**

chimta chattije 27.5.2021

Signature of the Candidate with date