

MODIFIED IRON-BASED NANOPARTICLES FOR THE REMOVAL OF DYES AND HEXAVALENT CHROMIUM FROM WATER

*Thesis submitted to the University of Calicut
in partial fulfilment of the requirements
for the award of the Degree of*

**Doctor of Philosophy
in
Chemistry**

By

ANJU ROSE PUTHUKKARA P

Under the guidance of

Dr. Sunil Jose T



**RESEARCH AND POSTGRADUATE DEPARTMENT OF CHEMISTRY
ST. THOMAS COLLEGE (AUTONOMOUS)**

(UNIVERSITY OF CALICUT)

THRISSUR, KERALA – 680001

March 2022