## Radiation Effects in Nuclear Ceramics for the Immobilization of Radioactive Waste

A THESIS SUBMITTED TO

## THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA



FOR THE DEGREE OF

DOCTOR OF PHILOSOPHY

IN PHYSICS

BY

Asha

UNDER THE GUIDANCE OF **Prof. N. L. SINGH** 

DEPARTMENT OF PHYSICS, FACULTY OF SCIENCE, THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA, VADODARA-390002, GUJARAT, INDIA NOVEMBER-2021