

STUDIES ON THE GROWTH OF MIXED RARE EARTH HYDROGEN SELENITE CRYSTALS AND ITS PROPERTIES

**THESIS SUBMITTED TO THE
MAHATMA GANDHI UNIVERSITY
IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR
THE AWARD OF THE DEGREE OF**

**DOCTOR OF PHILOSOPHY
IN PHYSICS
UNDER THE FACULTY OF SCIENCE**

By

P. P. PRADYUMNAN

**SCHOOL OF PURE AND APPLIED PHYSICS
MAHATMA GANDHI UNIVERSITY
KOTTAYAM, KERALA, INDIA. 686 560**

May 1999

Awarded on 30/11/2000

