

SOK - 5167 - 713741

**SYNTHESIS AND CHARACTERIZATION  
OF Ni-Mg-Zn-Co FERRITE**

A DISSERTATION SUBMITTED TO  
**SHIVAJI UNIVERSITY, KOLHAPUR**

FOR THE AWARD OF DEGREE OF  
**MASTER OF PHILOSOPHY**  
IN  
**PHYSICS**  
UNDER THE FACULTY OF SCIENCE

BY

**S. B. PATIL**

M.Sc.

KISAN SHIKSHAN SANSTHA'S  
KRANTISINH NANA PATIL COLLEGE, WALWE

UNDER THE GUIDANCE OF

**DR. B. K. CHOUGULE**

M. Sc., Ph. D.

READER IN MATERIALS SCIENCE

DEPARTMENT OF PHYSICS,  
SHIVAJI UNIVERSITY, KOLHAPUR-416004  
MAHARASHTRA, INDIA

**DECEMBER, 2000**