

**Spectroscopic and Dielectric Investigations on  
ZnF<sub>2</sub>-As<sub>2</sub>O<sub>3</sub>-TeO<sub>2</sub>: V<sub>2</sub>O<sub>5</sub>/NiO Glass System and  
Fluorescence Features of Some Rare Earth ions in  
ZnF<sub>2</sub>-WO<sub>3</sub>-TeO<sub>2</sub> Glass System**



***Thesis***

***submitted to Acharya Nagarjuna University for the award of Degree of***

**DOCTOR OF PHILOSOPHY**

**in**

**PHYSICS**

**Y. Gandhi, M. Sc., M. Phil.,**

**(Under the guidance of Prof. N. Veeraiah)**

**DEPARTMENT OF PHYSICS**

**ACHARYA NAGARJUNA UNIVERSITY-Dr. M.R.A.R. CAMPUS**

**NUZVID-521 201, A.P., INDIA**

**AUGUST – 2010**