

Faculty Profile

Name: **Dr. Elizabeth Zacharias**
Designation: Associate Professor
Teaching Areas: Mechanics & Optics, EM Theory & Material Science
Research Interests: Experimental Solid State Physics
Education: PhD: Experimental Solid State Physics University of Hyderabad, 1995
M.Phil: Experimental Solid State Physics University of Hyderabad, 1989
M.Sc.Ed: Regional College of Education, Mysore University, 1987
B.Sc. Ed: Regional College of Education, Mysore University, 1985



Professional Experience (Total: 24 years)

1. 2014-present: Assoc. professor and ICFAI Foundation for Higher Education, Hyderabad.
2. 2010-2010: Asst. professor and ICFAI Foundation for Higher Education, Hyderabad.
3. 2002 – 2010: Assistant Professor, ICFAI Institute of Science and Technology, Hyderabad
4. 2001-2002: Assistant Professor, Sri Indu College of Engineering and Technology, Hyderabad.
5. 1997-2001: Lecturer, Shadan Institute of Post Graduate Studies, Hyderabad.
6. 1996-1997: CSIR Post-Doc, University of Hyderabad, Hyderabad

Research / Selected Publications:

1. Elizabeth Zacharias and R.Singh "Crystallization and resistivity studies on $\text{Bi}_4\text{Sr}_3\text{Ca}_3\text{Cu}_y\text{O}_x$ Glasses" Physica C Vol. 247, pp. 221-230, 1995.
2. Elizabeth Zacharias and R.Singh "Structural and Superconducting Properties of $\text{Bi}_4\text{Sr}_3\text{Ca}_3\text{Cu}_y\text{O}_z$ and $\text{Bi}_4\text{Sr}_3\text{Ca}_3\text{Cu}_{4-x}\text{M}_x\text{O}_z$ ($\text{M} = \text{Fe}, \text{Cr}$ and Mn) Glass Ceramics" International Journal of Modern Physics B, Vol. 9 No.4 & 5, pp. 549-561, 1995
3. U.Ravikiran, Elizabeth Zacharias, G.Rajashekhar and P.Sarah "Impedance spectroscopy studies on samarium and sodium substituted strontium bismuth titanate" Ceramics International, Vol. 45, No. 12, 15 pp. 15188-15198, (2019)
4. U. Ravikiran, P. Sarah, M. Buchi Suresh, and Elizabeth Zacharias "Effect of Sm and Na substitution on dielectric properties of $\text{SrBi}_4\text{Ti}_4\text{O}_{15}$ " Ferroelectrics, Vol. 537, pp. 237–245, (2019)
5. U.Ravikiran, P. Sarah, GaganAnand, Elizabeth Zacharias "Influence of Na, Sm substitution on dielectric properties of SBT ceramics" Ceramics International, Vol. 45, pp. 19242-19246, (2019)