

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: 21 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 “DC Electrical Conduction in $\text{Bi}_4\text{Sr}_3\text{Ca}_3\text{Cu}_y\text{O}_x$ ($3 \leq y \leq 6$) Glasses” Solid State Communications Vol. 93 No.2 1995 pp.135-138.
2. 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 1995 pp. 221-230.
3. 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 $\text{Bi}_4\text{Sr}_3\text{Ca}_3\text{Cu}_{4-x}\text{M}_x\text{O}_z$ (M= Fe, Cr and Mn) Glass Ceramics” International Journal of Modern Physics B, Vol. 9 No.4 & 5 1995 pp. 549-561.
4. R. Singh and Elizabeth Zacharias “Studies on Bi-Sr-Ca-Cu-O glasses and superconducting glass ceramics” Bulletin of Material Science Vol 14, No 2. 1991 pp 343-350.
5. R. Singh and Elizabeth Zacharias “Systematic Studies on Bi-Sr-Ca-Cu-O glasses and superconducting glass ceramics” Journal of Physics D: Applied Physics Vol 23, 1990 pp:199-204