Prof. A. Sundaresan

Name : Prof. A. Sundaresan
Current Affiliation : Chemistry & Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru
Ph.D. : Indian Institute of Technology Bombay
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Research Interests :

- Solid-State Chemistry and Physics
- Magnetism and Multiferroics
- Superconductivity
- Quantum Materials
- Photoluminescence and Ferroelectricity

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Brief CV :

Prof. A. Sundaresan earned his Ph.D. from IIT Bombay and pursued postdoctoral research across leading institutions in France and Japan. His work spans the synthesis and characterization of inorganic oxide materials with multifunctional properties. He joined JNCASR in 2004 and currently serves as Chair of the Chemistry & Physics of Materials Unit. His research focuses on designing materials that exhibit strong correlations between structural, magnetic, electrical, and optical properties. Prof. Sundaresan is a Fellow of the Indian Academy of Sciences and has contributed extensively to the field of multiferroics and magnetoelectric materials. His work is widely cited, and he collaborates with leading scientists globally.

- Sundaresan et al., "Ferromagnetism as a universal feature of nanoparticles of the otherwise nonmagnetic oxides," *Phys. Rev. B*, 2006.
- D. Choudhury et al., "Near-Room-Temperature Colossal Magnetodielectricity and Multiglass Properties," *Phys. Rev. Lett.*, 2012.
- R. Saha, A. Sundaresan, C.N.R. Rao, "Multiferroic and magnetoelectric ferrites and chromites," *Materials Horizons*, 2014.
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