

HIGH TEMPERATURE SUPERCONDUCTORS: A REVIEW**R. VIJAYARAGHAVAN****TATA INSTITUTE OF FUNDAMENTAL RESEARCH
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The discovery of high temperature superconductors has opened up avenues for several interdisciplinary research efforts. The possible applications cover almost the entire technological spectrum. In this talk, the development of the subject will be presented. The Structural and substitutional studies will be highlighted. Local probes like Nuclear Magnetic Resonance (NMR), Electron Paramagnetic Resonance (EPR), Mossbauer effect and neutrons have been extensively used to understand the phenomenon. The results will be discussed in detail.