

Prof. K. G. Suresh

Name : Prof. K. G. Suresh
Current Affiliation : Department of Physics, Indian Institute of Technology Bombay
Ph.D. : University of Pune
Post-Doc : Tata Institute of Fundamental Research (TIFR), Mumbai
Research Interests :

- Magnetic Materials and Magnetocaloric Effects
- Heusler Alloys and Spintronics
- Spin Gapless Semiconductors
- Magnetic Shape Memory Alloys
- Exchange Bias and Metamagnetism

Website : [https://www\[dot\]phy\[dot\]iitb\[dot\]ac\[dot\]in/en/employee-profile/k-g-suresh](https://www[dot]phy[dot]iitb[dot]ac[dot]in/en/employee-profile/k-g-suresh)
Brief CV :

Prof. K. G. Suresh completed his Ph.D. in Physics from the University of Pune and pursued postdoctoral research at TIFR, Mumbai. He joined IIT Bombay as a faculty member in the Department of Physics, where he currently serves as Professor. His research focuses on magnetic materials with multifunctional properties, including magnetocaloric and spintronic applications. He has made significant contributions to the study of Heusler alloys and spin gapless semiconductors. Prof. Suresh has mentored numerous Ph.D. students and collaborates widely with national and international research groups. He is a Fellow of the Indian Academy of Sciences and has received multiple awards for his contributions to condensed matter physics.

- L. Bainsla, K. G. Suresh, "Equiatomic quaternary Heusler alloys: A material perspective for spintronic applications," *Applied Physics Reviews*, 2016
- S. Gupta, K. G. Suresh, "Review on magnetic and related properties of RTX compounds," *Journal of Alloys and Compounds*, 2015
- A.K. Nayak, K. G. Suresh, "Giant inverse magnetocaloric effect near room temperature in Co substituted NiMnSb Heusler alloys," *J. Phys. D: Appl. Phys.*, 2009
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