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Subjects	Materials Chemistry, Materials Physics, Physical Chemistry
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Education and experience	• PhD (IISc, Bangalore) • 20 years of research experience at NCL
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Achievements	• Associate Editor: Journal of American Ceramic Society • Editorial Board Member: Journal of Nanofluids
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Research Area	• Magnetic Materials • Nanomaterials and nanofluids • Functional Materials
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Recent publications	• Enhancement in the magnetostriction of sintered cobalt ferrite by making self-composites from nanocrystalline and bulk powders, K. K. Mohaideen and P. A. Joy, <i>ACS Applied Materials & Interfaces</i> 4, 6421 (2012) • High magnetostriction and coupling coefficient for sintered cobalt ferrite derived from superparamagnetic nanoparticles, K. K. Mohaideen and P. A. Joy, <i>Applied Physics Letters</i> 101, 072405 (2012) • Enhanced magnetic parameters in the morphotropic phase boundary region of nanocrystalline multiferroic $\text{Bi}_{1-x}\text{La}_x\text{FeO}_3$, P. Thakuria and P.A. Joy, <i>Solid State Communications</i> 152, 1609 (2012) • Effect of inter-particle interactions on the magnetic properties of magnetite nanoparticles after coating with dextran, V. Sreeja and P. A. Joy, <i>International Journal of Nanotechnology</i> 8, 907 (2011) • High room temperature ferromagnetic moment of Ho substituted nanocrystalline BiFeO_3, P. Thakuria and P. A. Joy, <i>Applied Physics Letters</i> 97, 162504 (2010)
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