

Short CV of Bobby Joseph

Bobby Joseph graduated in Physics (Masters) at the [Cochin University of Science and Technology](#) (Cochin, India) in 2000. After graduation, for seven years he was at [Institute of Physics \(IoP\), Bhubaneswar](#), (an autonomous research institute under Department of Atomic Energy Govt. of India): One year of Diploma in Advanced Physics; three years of Junior Researcher Fellowship; two and half years of Senior Researcher Fellowship and six months of visiting scientist position. During 2007, he has been awarded **Ph.D. in physics** for the studies on **ion beam induced modifications of metal nanoclusters** (IoP/Utkal university Bhubaneswar).

2007-2008 he was a **Junior Researcher** at [istituto tecnologie avanzate Trapani](#) (a consortium involving three Italian universities and regional Italian government bodies). During this period he was actively involved in the **setting up of an advanced materials laboratory for the study of hydrogen storage materials**. 2008-2009 he was awarded a **postdoctoral fellowship** by the [MIUR-Italy](#) for pursuing the **structural, electronic and local structural studies of the iron based superconductors** at Physics department of Sapienza University of Rome ([group of A. Bianconi](#) and [N. L. Saini](#)).

2009-2010 he was awarded a **postdoctoral fellowship** by the [INSTM-Italy](#) under a project funded by the CARIPLO foundation for the **synthesis and local structural studies of the iron based superconductors** (group of [Lorenzo Malavasi](#)). First five months of 2011 he was at [National Institute of Materials Science, Tsukuba](#), Japan (Connected with a project on iron based superconducting wires).

August 2011 he started a one year **Researcher** position at physics department of Sapienza University of Rome for the **optical investigations of new superconductors** ([Research group of P. Postorino and P. Dore](#)). Results of the scientific activity of Bobby Joseph are reported in more than **60 publications** on international scientific journals. Presently he has an **Hirsch-index 12**. His scientific works were significant for several Ph.D. thesis.

For more information please consult : <https://sites.google.com/site/bobyjoseph/publications>

Selected four publications

Vibrational spectrum of solid picene (C₂₂H₁₄): B. Joseph, L. Boeri, L. Malavasi, ..., P. Postorino, P. Dore, fast track communication in *J. Phys. Condens. Matter* 24 (2012) 25203 [10.1088/0953-8984/24/25/252203](https://doi.org/10.1088/0953-8984/24/25/252203) (IOP Select 2012)

Local structural studies of Ba_{1-x}K_xFe₂As₂ using atomic pair distribution function analysis: B. Joseph, V. Zinth, M. Brunelli, D. Johrendt, L. Malavasi. fast track communication in *J. Phys. Condens. Matter* 23 (2011) 112202 [10.1088/0953-8984/23/11/112202](https://doi.org/10.1088/0953-8984/23/11/112202) (IOP Select 2011)

Evidence of local structural inhomogeneity in FeSe_{1-x}Te_x from extended x-ray absorption fine structures : B. Joseph, A. Iadecola, A. Puri, L. Simonelli, Y. Mizuguchi, Y. Takano, N.L. Saini, Rapid Communication in *Phys. Rev. B* 82 (2010) 020502 [10.1103/PhysRevB.82.020502](https://doi.org/10.1103/PhysRevB.82.020502)

RE L3 x-ray absorption study of REO_{1-x}F_xFeAs (RE=La,Pr,Nd,Sm) oxypnictides: B. Joseph, A. Iadecola, M. Fratini, A. Bianconi, A. Marcelli, N. L. Saini, fast track communication in *J. Phys. Condens. Matter* 21 (2009) 432201; [10.1088/0953-8984/21/43/432201](https://doi.org/10.1088/0953-8984/21/43/432201) (IOP Select 2009)

E-mail for communication: boby.joseph@gmail.com