



St. JOSEPH'S COLLEGE (Autonomous)

Established in 1844

Special Heritage Status awarded by UGC

Reaccredited with A⁺ Grade by NAAC & College with Potential for Excellence

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DOCTORAL DEGREE (Ph.D.) AWARDED

DEPARTMENT : PHYSICS

| Name of the PhD scholar | Name of the guide | Title of the Thesis | Registration Detail | Year of award of PhD |
|-------------------------|-------------------|--|---|----------------------|
| R.Ramamoorthy | R VICTOR WILLIAMS | Synthesis Characterisation and fabrication of photoanode thin film for dye-sensitized solar cell | 7657/PhD1/Physics/FT /Re.Regn./April 2016 | 2018 |
| J. Charles | N LAWRENCE | Nanostructured mixed metal oxide thin films for gas sensing applications | 27288/PhD1/Physics/FT/Jan 2015 | 2018 |
| Indumathi | S ALFRED CECILRAJ | Investigation of second and third order non-linear optical response in certain aromatic nitro compound | 14044/PhD.K2/Physics / PT/July 2013 | 2018 |
| G. Samuel | I JOHNSON | Physico-chemical Properties of liquid mixtures and bio-liquids | 32736/PhD1/Physics/PT/October 2011 | 2018 |
| P. Rajendran | N LAWRENCE | Synthesis and Characterisation of polymer metaloxide nanocomposites for methanol sensor | 7823/PhD1/Physics/PT /April 2012 | 2017 |
| H. Joy Prabhu | I JOHNSON | Synthesis and Characterisation of industrially and medicinally important nanomaterials | 45349/PhD K2/Physics/FT/Jan. 2014 | 2017 |
| B. Kanickairaj | I JOHNSON | Synthesis and Characterisation of nanomaterials and crystals using automated instruments | 19765/PhD 1/Physics/PT/October 2007 | 2017 |
| R. Hariprasath | A LEO RAJESH | Environmental Radiation in and around Trichy district | 7660/PhD.1/Physics/FT /April 2012 | 2017 |
| V. Eswaramoorthi | R VICTOR WILLIAMS | Effect of doping of sol-gel routed barium strontium titanate thin film on dielectric properties | 32411/PhD1/Physics/FT/October 2011 | 2016 |

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|---------------------|-------------------------------|---|---|------|
| N. Ravi | N LAWRENCE | Laser surface alloying of aluminium alloy Al-12si and steel with preplaced metal powder coatings. | 3697/PhD1/Physics/PT /Re.Regn./Jan 2005 | 2016 |
| A. Josephine Prabha | I JOHNSON AND M VIJAYALAKSHMI | Calorimetric characterisation of phase transformations in Ti and Ti-Nb alloys and kinetics of lattice softening in 90% cold-rolled Titanium | 24242/PhD 1/ Physics /PT/Oct. 2009 | 2016 |
| P. Kalaiselvi | S ALFRED CECILRAJ | Investigation on the growth and characterisation of Amino Acid based nonlinear optical single crystals | 40698/PhD/Physics / FT/July 2010 | 2016 |
| M. Antony | N LAWRENCE | Diffusion study on hydrogen storage in AB alloys | 43618/PhD1/Physics/F T/January 2010 | 2015 |
| S. Thiruvenkadam | A LEO RAJESH | Studies on spray deposited Cu ₂ ZnSnS ₄ and CuSbS ₂ thin films for photovoltaic application | 32413/PhD.1/Physics/ FT/Oct. 2011 | 2015 |
| S. Gowri | N LAWRENCE | Growth and characterisation of some NLO materials | 34613/PhD1/Physics/P T/Jan2009 | 2014 |
| A. Sinthiya | S ALFRED CECILRAJ | Structural investigation of some heterocyclic complexes and metal complexes using single crystal x-ray diffraction | 25370/PhD 1/Physics / FT/Jan 2009 | 2013 |
| A. Ruby | S ALFRED CECILRAJ | Investigation on the growth and properties of some organic and semiorganic non-linear optical single crystal | 10464/PhD 1/Physics / PT/Oct. 2011 | 2013 |



Principal