

CURRICULUM VITAE

Dr. P. JEEVANANDAM

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EDUCATION:

Ph. D. *Indian Institute of Science*, Bangalore, India (1998)

M. Sc. Chemistry (First Class) from *Bharathidasan University*, Tiruchirapalli, India (1989).

B. Ed. (First Class) from *Bharathidasan University*, Tiruchirapalli, India (1990).

B. Sc. Chemistry (First Class) from *Bharathidasan University*, Tiruchirapalli, India (1987).

POST-DOCTORAL RESEARCH:

- Post-Doctoral Fellow at Department of Chemistry, *Bar-Ilan University*, ISRAEL with Prof. Aharon Gedanken (Aug.1998 to March 2001)
- Research Associate at Department of Chemistry, Kansas State University, USA with Prof. Ken Klabunde (March 2001 to May 2006).

AWARDS AND CERTIFICATES:

- College first rank in B. Sc. examinations.
- University first rank in M. Sc. examinations.
- Passed CSIR/UGC National Examination for Junior Research Fellowship (1989).
- Vasudevamurthy-Sundarajan Award from the Department of Inorganic and Physical Chemistry, IISc, for standing first in the Ph.D course work program (1990-91).
- Dr. J.C.Ghosh Medal from IISc in recognition of the best Ph.D thesis in the Department of Inorganic and Physical Chemistry (1997-98).

LIST OF PEER REVIEWED PUBLICATIONS:

1. **P. Jeevanandam** and S. Vasudevan

Preparation and characterization of $\text{Cd}_{0.75}\text{PS}_3\text{A}_{0.5}(\text{H}_2\text{O})_y$ [A = Na, K and Cs]. *Solid State Ionics* **104**, 45-55 (1997) (IF: 2.112)

2. **P. Jeevanandam** and S. Vasudevan

Anomalous low frequency dispersion and dielectric relaxation in the

layered $\text{Cd}_{0.75}\text{PS}_3\text{A}_{0.5}(\text{H}_2\text{O})$ [A = K, Cs].
Journal of Chemical Physics **108**, 1206-1215 (1998) (IF: 3.122)

3. **P. Jeevanandam** and S. Vasudevan
Conductivity and dielectric response in the ion-exchange intercalated mono- and double-layer hydrates, $\text{Cd}_{0.75}\text{PS}_3\text{Na}_{0.5}(\text{H}_2\text{O})_y$, $y = 1, 2$.
Journal of Physical Chemistry B **102**, 3082-3089 (1998) (IF: 3.377)

4. **P. Jeevanandam** and S. Vasudevan
Intercalation of alkali metal - polyethylene oxide polymer electrolytes in layered CdPS_3 . *Chemistry of Materials* **10**, 1276-1285 (1998) (IF:8.535)

5. **P. Jeevanandam** and S. Vasudevan
Conductivity of a confined polymer electrolyte: Lithium-Polypropylene glycol intercalated in layered CdPS_3 . *Journal of Physical Chemistry B* **102**, 4753-4758 (1998) (IF: 3.377).

6. **P. Jeevanandam** and S. Vasudevan
AC conductivity and electrical conductivity relaxation in an intercalated polymer electrolyte. *Journal of Chemical Physics* **109**, 8102-8108 (1998) (IF: 3.122)

7. **P. Jeevanandam** and S. Vasudevan
Arrhenius and non-Arrhenius conductivities in intercalated polymer electrolytes. *Journal of Chemical Physics* **109**, 8109-8117 (1998) (IF: 3.122)

8. **P. Jeevanandam** and S. Vasudevan
Magnetism in MnPSe_3 : a layered $3d^5$ antiferromagnet with unusually large X-Y anisotropy. *Journal of Physics:Condensed Matter* **11**, 3563-3570 (1999) (IF: 2.223)

9. N. Arun, **P. Jeevanandam**, S. Vasudevan and K. V. Ramanathan
Motion of interlamellar hydrated ions in layered $\text{Cd}_{0.75}\text{PS}_3\text{Na}_{0.5}(\text{H}_2\text{O})_2$.
Journal of Chemical Physics **111**, 1231-1239 (1999) (IF: 3.122)

10. R.A.Salkar, **P. Jeevanandam**, S.T.Aruna, Y.Koltypin and A.Gedanken
The sonochemical preparation of amorphous silver nanoparticles. *Journal of Materials Chemistry* **9**, 1333-1335 (1999) (IF:6.626)

11. R. A. Salkar, **P. Jeevanandam**, G. Kataby, S.T.Aruna, Y.Koltypin, O. Palchik and A. Gedanken.
Elongated copper nanoparticles coated with a zwitterionic surfactant. *Journal of Physical Chemistry B*. **104**, 893-897 (2000) (IF: 3.377)

12. **P. Jeevanandam**, Y. Koltypin, A. Gedanken and Y. Mastai
Synthesis of α -cobalt(II) hydroxide using ultrasound radiation. *Journal of Materials Chemistry* **10**, 511-514 (2000) (IF: 6.626)

13. **P. Jeevanandam**, Y. Koltypin, Y. Mastai and A. Gedanken
Sonochemical synthesis of lead hydroxy bromide needles. *Journal of Materials Chemistry* **10**, 2143-2146 (2000) (IF: 6.626).

14. **P. Jeevanandam**, Y. Koltypin, Y. Gofer, Y. Diamant and A. Gedanken
Sonochemical Synthesis of Nanocrystallites of Ruthenium Sulfide. *Journal of Materials Chemistry* **10**, 2769-2773 (2000) (IF: 6.626)
15. **P. Jeevanandam**, Y. Koltypin, O. Palchik and A. Gedanken
Synthesis of controlled morphological lanthanum carbonate particles using ultrasound irradiation. *Journal of Materials Chemistry* **11**, 869-873 (2001) (IF: 6.626)
16. **P. Jeevanandam**, Yu. Koltypin and A. Gedanken
Synthesis of nanosized alpha-nickel hydroxide by a sonochemical method. *Nano Letters* **1**, 263-266 (2001) (IF: 12.94)
17. **P. Jeevanandam**, Y. Diamant, M. Motiei and A. Gedanken
The effect of ultrasound irradiation on polycrystalline MoO₃. *Physical Chemistry and Chemical Physics* **3**, 4107-4112 (2001) (IF: 4.198)
18. **P. Jeevanandam**, Yu. Koltypin and A. Gedanken
Preparation of nanosized nickel aluminate spinel by a sonochemical method. *Materials Science and Engineering B* **90**, 125-132 (2002) (IF: 2.122)
19. **P. Jeevanandam**, and K. J. Klabunde
A Study on Adsorption of Surfactant Molecules on Magnesium Oxide Nanocrystal Prepared by an Aerogel Route. *Langmuir* **18**, 5309-5313 (2002) (IF: 4.384)
20. **P. Jeevanandam**, and K. J. Klabunde
Redispersion and Reactivity Studies on Surfactant Coated Magnesium Oxide Nanoparticles. *Langmuir* **19**, 5491-5495 (2003) (IF: 4.384)
21. **P. Jeevanandam**, K. J. Klabunde and S. H. Tetzler
Adsorption of thiophenes out of hydrocarbons using metal impregnated nanocrystalline aluminum oxide. *Microporous and Mesoporous Materials* **79**, 101-110 (2005) (IF: 3.209)
22. X. Yang, L. E. Erickson, K. L. Hohn, **P. Jeevanandam**, and K. J. Klabunde
Sol-gel Cu-Al₂O₃ adsorbents for selective adsorption of thiophene out of hydrocarbon. *Ind. Eng. Chem. Res.* **45**, 6169-6174 (2006) (IF: 2.235)
23. **P. Jeevanandam**, R. S. Mulukutla, M. Phillips, S. Chaudhuri, L. E. Erickson, and K. J. Klabunde
Near Infrared reflectance properties of nanoscale metal oxide nanoparticles, *Journal of Physical Chemistry C* **111**, 1912-1918 (2007) (IF: 4.835)
24. **P. Jeevanandam**, R.S. Mulukutla, Z. Yang, H. Kwen, and K. J. Klabunde
Nanocrystals to Nanorods: A Precursor Approach for the Synthesis of Magnesium Hydroxide Nanorods from Magnesium Oxide Nanorods Starting from Nanocrystalline Magnesium Oxide, *Chemistry of Materials* **19**, 5395-5403 (2007) (IF: 8.535)

25. Ranga Rao Pulimi, V., **Jeevanandam, P.**, The effect of anion on the magnetic properties of nanocrystalline NiO synthesized by homogeneous precipitation *Journal of Magnetism and Magnetic Materials*, 321 (2009) 2556–2562 (IF: 2.002)
26. Srikanth, C. K., **Jeevanandam, P.**, Electroless Deposition of Silver on Synthesized Calcite via Surface Modification, *Applied Surface Science*, 255 (2009) 7153–7157 (2009) (IF: 2.538)
27. Dixit, S., **Jeevanandam, P.**, Synthesis of iron oxide nanoparticles by thermal decomposition approach, *Advanced Materials Research*, 67 (2009) 221-226.
28. Srikanth, C. K., **Jeevanandam, P.**, Effect of Anion on the Homogeneous Precipitation of Precursors and their Thermal Decomposition to Zinc Oxide, *Journal of Alloys and Compounds* 486 (2009) 677-684 (IF: 2.726)
29. **P. Jeevanandam**, C. K. Srikanth, S. Dixit, Synthesis of monodisperse silver nanoparticles and their self-assembly through simple thermal decomposition approach, *Materials Chemistry and Physics*, 122 (2010) 402-407 (IF: 2.129)
30. Pooja Devi, S. Badilescu, M. Packirisamy, **P. Jeevanandam**, Synthesis of gold-poly(dimethyl siloxane) nanocomposite through a polymer-mediated silver/gold galvanic replacement reaction, *Gold Bulletin*, 43 (2010) 307-315 (IF: 1.84)
31. P. N. R. Kishore, **P. Jeevanandam**, Synthesis of Silver-Iron oxide Nanocomposites by Thermal Decomposition, *Journal of Nanoscience and Nanotechnology*, 11 (2011) 3445-3453 (IF: 1.339)
32. S. Panday, B. S. S. Daniel, **P. Jeevanandam**, Synthesis of Nanocrystalline Co-Ni Alloys by Precursor Approach and Studies on their Magnetic Properties, *Journal of Magnetism and Magnetic Materials*, 323 (2011) 2271-2280 (IF: 2.002)
33. Manu Sharma, **P. Jeevanandam**, Synthesis of Magnesium Oxide Particles with Stacks of Plates Morphology, *Journal of Alloys and Compounds*, 509 (2011) 7881-7885 (IF: 2.726)
34. Nisha Bayal and **P. Jeevanandam**, Synthesis of Metal Aluminate Nanoparticles by Sol-gel Method and Studies on Their Reactivity, *Journal of Alloys and Compounds* 516 (2012) 27-32 (IF: 2.726)
35. Geetu Sharma and **P. Jeevanandam**, Single step thermal decomposition approach to prepare supported γ -Fe₂O₃ nanoparticles, *Applied Surface Science* 258 (2012) 3679-3688 (IF: 2.538)
36. **P. Jeevanandam** and V. Ranga Rao Pulimi, Synthesis of nanocrystalline NiO by sol-gel and homogeneous precipitation methods, *Indian Journal of Chemistry A* 51A (2012) 586-590 (IF: 0.628)

37. P. N. R. Kishore and **P. Jeevanandam**, A Novel Thermal Decomposition Approach for the Synthesis of Silica-Iron Oxide Core-shell Nanoparticles, *Journal of Alloys and Compounds* 522 (2012) 51-62 (IF: 2.726)
38. Manu Sharma and **P. Jeevanandam**, Synthesis, Characterization and Studies on Optical Properties of Hierarchical ZnO-CdS Nanocomposites, *Materials Research Bulletin* 47 (2012) 1755-1761 (IF: 1.968)
39. Chamarthi K Srikanth and **P. Jeevanandam**, Deposition of ZnO nanoparticles on calcite and studies on their optical properties and photocatalytic activity, *Journal of Nanoscience and Nanotechnology*, 12 (2012) 3135-3141 (IF: 1.339)
40. C. K. Srikanth, **P. Jeevanandam**, Comparison of Galvanic Displacement and Electroless Methods for the Deposition of Gold Nanoparticles on Synthetic Calcite, *Bulletin of Materials Science* 35 (2012) 939-946 (IF: 0.87)
41. Nisha Bayal and **P. Jeevanandam**, Synthesis of CuO@NiO Core-Shell Nanoparticles by Homogeneous Precipitation Method, *Journal of Alloys and Compounds*, 537 (2012) 232-241 (IF: 2.726)
42. S. Panday, B. S. S. Daniel and **P. Jeevanandam**, Nanocrystalline Co₈₂Ni₁₈ Alloy: Synthesis and Magnetic Properties, *Advanced Materials Research* 585 (2012) 100-104
43. Geetu Sharma and **P. Jeevanandam**, Synthesis of Transition Metal Oxide based MgO Nanocomposites by a Simple Precursor Approach, *Advanced Materials Research* 585 (2012) 169-173
44. Nisha Bayal and **P. Jeevanandam**, Synthesis of NiO Based Bimetallic Mixed Metal Oxide Nanoparticles by Sol-gel Method, *Advanced Materials Research* 585 (2012) 164-168
45. Manu Sharma and **P. Jeevanandam**, Magnesium Doping in Hierarchical ZnO Nanostructures and Studies on Optical Properties, *Superlattices and Microstructures*, 52 (2012) 1083-1092 (IF: 1.979)
46. Ravi Kant Sharma and **P. Jeevanandam**, Thermal decomposition approach for the synthesis of silver-alumina nanocomposite powders, *Ceramics International* 39 (2013) 3337-3344 (IF: 2.086)
47. Geetu Sharma and **P. Jeevanandam**, Synthesis of self-assembled prismatic iron oxide nanoparticles by a novel thermal decomposition approach, *RSC Advances* 3 (2013) 189-200 (IF: 3.708)
48. Geetika Sahni, P. Gopinath and **P. Jeevanandam**, A novel thermal decomposition approach to synthesize hydroxyapatite-silver nanocomposites and their antibacterial action against GFP-expressing antibiotic resistant E.coli, *Colloids and Surfaces B* 103 (2013) 441-447 (IF: 4.287)

49. Sudhakar Panday, B. S. S. Daniel and **P. Jeevanandam**, Synthesis and magnetic properties of nanocrystalline Co-Ni alloys: A review, *Materials Science Forum*, 736 (2013) 229-240
50. Geetu Sharma and **P. Jeevanandam**, Synthesis of MgO supported Co_3O_4 nanoparticles by a novel thermal decomposition approach and studies on their magnetic properties, *Microporous and Mesoporous Materials*, 165 (2013) 55-62 (IF: 3.209)
51. P. N. R. Kishore and **P. Jeevanandam**, Synthesis of Ag- Co_3O_4 and Ag-NiO nanocomposites by two different chemical methods, *Journal of Nanoscience and Nanotechnology* 13 (2013) 2795-2803 (IF: 1.339)
52. P. N. R. Kishore and **P. Jeevanandam**, Synthesis of cobalt oxide nanoparticles via homogeneous precipitation using different synthetic conditions, *Journal of Nanoscience and Nanotechnology* 13 (2013) 2908-2916 (IF: 1.339)
53. Geetu Sharma and **Jeevanandam Pethaiyan**, A thermal decomposition approach for the synthesis of iron oxide microspheres, *Materials Research Society Proceedings*, (2013). 1547, mrss13-1547-m07-04 doi:10.1557/opl.2013.541.
54. Nisha Bayal and **P. Jeevanandam**, Sol-gel synthesis of SnO_2 -MgO nanoparticles and their photocatalytic activity towards methylene blue degradation, *Materials Research Bulletin*, 48 (2013) 3790-3799 (IF: 1.968)
55. Geetu Sharma and **P. Jeevanandam**, A facile synthesis of multi-functional iron oxide@Ag core-shell nanoparticles and their catalytic applications, *European Journal of Inorganic Chemistry*, 6126-6136 (2013) (IF: 2.965)
56. Nisha Bayal and **P. Jeevanandam**, Synthesis of SiO_2 @NiO magnetic core-shell nanoparticles and their use as adsorbents for the removal of methylene blue, *Journal of Nanoparticle Research*, 15(2013) 2066/1-2066/15 (IF: 2.278)
57. P. Devi, S. D. Patil, **P. Jeevanandam**, Naveen K Navani and M. L. Singla, Synthesis, Characterization and Bactericidal Activity of Silica/Silver Core-Shell Nanoparticles, *Journal of Materials Science: Materials in Medicine* 25 (2014) 1267-1273 (IF: 2.379)
58. Manu Sharma and **P. Jeevanandam**, Synthesis, Characterization and Studies on Optical Properties of Indium Doped ZnO Nanoparticles, *Indian Journal of Chemistry A*, 53A (2014)561-565 (IF: 0.628)
59. Syam Kandula and **P. Jeevanandam**, Visible Light Induced Photodegradation of Methylene Blue Using ZnO/CdS Hetero Nanostructures Synthesized Through a Novel Thermal Decomposition Approach, *Journal of Nanoparticle Research* 16 (2014) 2452 (IF: 2.278)
60. Sudheer Kumar Yadav and **P. Jeevanandam**, Synthesis of NiO – Al_2O_3 Nanocomposites by Sol-gel Process and Their Use as Catalyst for the Oxidation of Styrene, *Journal of Alloys and Compounds* 610 (2014) 567-574. (IF: 2.726)

61. Syam Kandula and **P. Jeevanandam**, Synthesis of $\text{SiO}_x\text{@CdS}$ Core–Shell Nanoparticles by Simple Thermal Decomposition Approach and Studies on Their Optical Properties, *Journal of Alloys and Compounds* 615 (2014) 167-176. (IF: 2.726)
62. Nisha Bayal and **P. Jeevanandam**, Synthesis of $\text{TiO}_2\text{-MgO}$ Mixed Metal Oxide Nanoparticles via Sol-gel Method and Studies on Their Optical Properties, *Ceramics International*, 40 (2014) 15463-15477 (IF: 2.086)
63. Sudheer Kumar Yadav and **P. Jeevanandam**, Thermal decomposition approach for the synthesis of CdS-TiO_2 nanocomposites and their catalytic activity towards degradation of Rhodamine B and reduction of Cr (VI), *Ceramics International*, 41 (2015) 2160-2179 (IF:2.086)
64. Syam Kandula and **P. Jeevanandam**, A facile synthetic approach for $\text{SiO}_2\text{@Co}_3\text{O}_4$ core–shell nanorattles with enhanced peroxidase–like activity, *RSC Advances*, 2015, **5**, 5295-5306 (IF: 3.708)
65. Rama Gaur and **P. Jeevanandam**, Evolution of different morphologies of CdS nanoparticles by thermal decomposition of bis(thiourea)cadmium chloride in various solvents, *Journal of Nanoparticle Research*, 17 (2015) 156/1-156 /13 (IF: 2.278)
66. Sudheer Kumar Yadav and **P. Jeevanandam**, Synthesis of $\text{PbS-Al}_2\text{O}_3$ nanocomposites by sol-gel process and studies on their optical properties, *Optical Materials* 46 (2015) 209-215 (I.F. 2.075)
67. Urvashi Sharma and **P. Jeevanandam**, Synthesis of Zn^{2+} doped MgO nanoparticles using substituted brucite precursors and studies on their optical properties, *Journal of Sol-Gel Science and Technology* 75 (2015) 635-648 (I.F. 1.547)
68. Rama Gaur and **P. Jeevanandam**, Synthesis of $\text{Cd}_{1-x}\text{Zn}_x\text{S}$ nanoparticles by a novel thermal decomposition approach and studies on their optical properties, *Journal of Materials Science: Materials in Electronics*, 26 (2015) 7223-7231.
69. Syam Kandula and **P. Jeevanandam**, Synthesis of silica@Ni-Co mixed metal oxide core-shell nanorattles and their potential use as effective adsorbents for waste water treatment, *European Journal of Inorganic Chemistry* (2015), 4260-4274.
70. Sudheer Kumar Yadav and **P. Jeevanandam**, Synthesis of $\text{Ag}_2\text{S-TiO}_2$ Nanocomposites and Their Catalytic Activity towards Rhodamine B Photodegradation, *Journal of Alloys and Compounds*, 649 (2015) 483-490.
71. Syam Kandula and **P. Jeevanandam**, Sun-light-driven Photocatalytic Activity by ZnO/Ag Heteronanostructures Synthesized via Facile Thermal Decomposition Approach, *RSC Advances* 5 (2015) 76150-76159.
72. Rama Gaur and **P. Jeevanandam**, Effect of anion on morphology of CdS nanoparticles prepared via thermal decomposition of different cadmium thiourea complexes in a solvent and solid state, *New Journal of Chemistry* 39 (2015) 9442-9453.

73. Sudheer Kumar Yadav and **P. Jeevanandam**, Synthesis of γ -Fe₂O₃-CdS nanocomposites with enhanced photocatalytic activity by thermal decomposition approach, *Journal of Nanoscience and Nanotechnology* 16 (2016) 9072-9084
74. Syam Kandula and **P. Jeevanandam**, Synthesis of Cu₂O@Ag polyhedral core-shell nanoparticles by a novel thermal decomposition approach for catalytic applications, *European Journal of Inorganic Chemistry*, (2016) 1548-1557
75. Rama Gaur and **P. Jeevanandam**, PbS Micro-nanostructures with Controlled Morphologies by a Novel Thermal Decomposition Approach, *Journal of Nanoparticle Research*, 18(3) (2016) 1-20
76. Urvashi Sharma and **P. Jeevanandam**, Synthesis of titanium doped MgO heteronanostructures with tunable band gap, *Journal of Nanoparticle Research*, 18(4) (2016) 1-20
77. Rama Gaur and **P. Jeevanandam**, Synthesis and characterization of Cd_{1-x}Zn_xS (x = 0-1) nanoparticles by thermal decomposition of bis(thiourea)cadmium-zinc acetate complexes, *ChemistrySelect* 1 (2016) 2687-2697
78. Sudheer Kumar Yadav and **P. Jeevanandam**, Synthesis of ZnO@ γ -Fe₂O₃ core-shell nanocomposites by a facile thermal decomposition approach and their application in photocatalytic degradation of congo red, *Journal of Nanoparticle Research*, 18(7), (2016) 1-25
79. Urvashi Sharma and **P. Jeevanandam**, Synthesis temperature dependent morphological evolution in zinc titanate heteronanostructures and their application in environmental remediation, *ChemistrySelect*, 1 (2016) 6382-6395
80. Urvashi Sharma and **P. Jeevanandam**, Layered double hydroxides as precursors to Ti⁴⁺ doped MgO nanoparticles with tunable band gap, *Journal of Nanoscience and Nanotechnology* 18 (2018) 264-278
81. Rama Gaur and P. Jeevanandam, Synthesis of SnS₂ nanoparticles and their application as photocatalysts for the reduction of Cr(VI), *Journal of Nanoscience and Nanotechnology* 18 (2018) 165-177
82. Jatin Mahajan and P. Jeevanandam, Synthesis of TiO₂@ α -Fe₂O₃ core-shell heteronanostructures by thermal decomposition approach and their application towards sunlight driven photodegradation of Rhodamine B, *New Journal of Chemistry*, **42** (2018) 2616-2626.
83. Urvashi Sharma and P. Jeevanandam, Sn⁴⁺ doping induced novel morphological evolution in zinc titanate heteronanostructures and studies on their optical properties, *New Journal of Chemistry*, **42** (2018) 7468-7479.
84. Jatin Mahajan and P. Jeevanandam, Novel thermal decomposition approach for the synthesis of TiO₂@Ag core-shell nanocomposites and their application for catalytic reduction of 4-nitrophenol, *Journal of Nanoparticle Research*, 2019, DOI:

10.1007/s11051-019-4500-y

BOOK CHAPTERS:

1. Koodali T. Ranjit, Gavin Medine, **P. Jeevanandam**, Igor N. Martyanov and Kenneth J. Klabunde, "Nanoparticles in environmental remediation", in *Environmental Catalysis*, Vicki. H. Grassian (Ed.) pp. 391-420, Marcel Dekker Inc., New York, U.S.A, (2005)
2. **P. Jeevanandam** and K. J. Klabunde, "Adsorbents", in *Synthesis, Properties, and Applications of Oxide Nanoparticles*, Editors: J. A. Rodriguez and M. Fernandez, pp. 381-410 (2007) John Wiley & Sons, Inc. New Jersey, USA. .
3. **P. Jeevanandam**, "Nanorods", in *Nanoscale Materials in Chemistry*, Editors: K. J. Klabunde and R. M. Richards, pp.155-206 (2009) Wiley-Interscience, NY, USA.

PATENT:

1. Kenneth Klabunde, Bill R. Sanford and **P. Jeevanandam**
Method of sorbing sulfur compounds using nanocrystalline mesoporous metal oxides,
US Patent 7341977, 2008

Research Guidance:

Doctoral Students who have been awarded Ph.D Degree:

1. Dr. Chamarthi K. Srikanth (2011)
2. Dr. Manu Sharma (2012)
3. Dr. Sudhakar Panday (Jointly with Prof. B.S.S. Daniel, Met. Mater. Eng.) (2013)
4. Dr. Naga Ratna Kishore Pudi (2013)
5. Dr. Geetu Sharma (2014)
6. Dr. Nisha Bayal (2014)
7. Dr. Sudheer Kumar Yadav (2016)
8. Dr. Syam Kandula (2016)
9. Dr. Rama Gaur (2017)
10. Dr. Urvashi Sharma (2018)

List of M.Tech students who carried out their Dissertation Work:

1. Ms. Shuchi Dixit (2008)
2. Ms. Shweta Malav (2010)
3. Ms. Pooja Devi (2010) (Co-supervisor: Prof. M. Packirisamy, Concordia University, Canada)
4. Mr. Jeyapandiarajan P (2010) (Co-supervisor: Prof. B.S.S. Daniel, Met. Mater. Eng. IITR)
5. Mr. Neeraj Panwar (2010) (Co-supervisor: Prof. K L Yadav, Physics, IITR)
6. Mr. Sitaramanjaneya Mouli T (2010) (Co-supervisor: Dr. N K Nawani, Biotechnology, IITR)
7. Ms. Vijay Lakshmi Mishra (2011) (Co-supervisor: Prof. H. Sakurai, Institute for

Molecular Science, Japan)

8. Mr. Himanshu Sekhar Maharana (2011)
9. Ms. Geetika Sahni (2012)
10. Mr. Ravi Kant Sharma (2012)
11. Ms. Pankaj Verma (2013)
12. Mr. Sourav Sarkar (2014)
13. Mr. Gananath R (2014)
14. Ms. Revathi Ramachandran (2015)
15. Mr. Abhishek Sachan (2015)
16. Mr. Uddipta Kundu (2016)
17. Ms. Megha Sharma (2017)
18. Ms. Palak Sondhi (2018) (Co-supervisor, Prof. Detlef Bahnemann, Leibniz University, Hannover)
19. Ms. Garima Jain (2018) (Co-supervisor, Prof. Partha Roy, Biotechnology, IITR)

List of M.Sc students who carried out their Dissertation Work:

1. Ms. Binita Dutta (2007)
2. Mr. Venkata Ranga Rao Pulimi (2008)
3. Mr. Vivek Vishal Sharma (2012)
4. Mr. Silambarasan (2013)
5. Mr. Sovick Biswas (2015)
6. Mr. Rajendra Vikram Singh (2016)
7. Mr. Pankaj Rana (2017)
8. Ms. Gurpreet Kaur (2018)

List of B.Tech Students who carried out their Dissertation Work:

1. Mr. Jwala Kumar
2. Mr. Amit Kulhria (Both jointly with Prof. B.S.S Daniel)