

## 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 (1987-1989).

B. Ed. (First Class) from *Bharathidasan University*, Tiruchirapalli, India (1989-1990).

B. Sc. Chemistry (First Class) from *Bharathidasan University*, Tiruchirapalli, India (1984-1987).

### **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  $\text{CdPS}_3$ . *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  $\text{CdPS}_3$ . *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  $\text{MnPSe}_3$ : 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  $\alpha$ -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 MoO<sub>3</sub>.  
*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-Al<sub>2</sub>O<sub>3</sub> 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  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> 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 Co<sub>82</sub>Ni<sub>18</sub> 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  $\text{Co}_3\text{O}_4$  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- $\text{Co}_3\text{O}_4$  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  $\text{SnO}_2$ -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  $\text{SiO}_2$ @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<sub>2</sub>O<sub>3</sub> 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 SiO<sub>x</sub>@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 TiO<sub>2</sub>-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<sub>2</sub> 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 SiO<sub>2</sub>@Co<sub>3</sub>O<sub>4</sub> 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 PbS-Al<sub>2</sub>O<sub>3</sub> 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<sup>2+</sup> 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 Cd<sub>1-x</sub>Zn<sub>x</sub>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 Ag<sub>2</sub>S-TiO<sub>2</sub> 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  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub>-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 Cu<sub>2</sub>O@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<sub>1-x</sub>Zn<sub>x</sub>S (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@ $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> 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

### **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

## **SEMINAR AND CONFERENCE PROCEEDINGS:**

1. Sudheer Kumar Yadav and P. Jeevanandam, Oral presentation on Synthesis of  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub>-CdS nanocomposites by thermal decomposition method and their application in the photodegradation of congo red, International Conference on Advanced Materials for Energy, Environment and Health (ICAM-2016), March 4-7, 2016.
2. Uddipta Kundu and P. Jeevanandam, Poster presentation on 'Synthesis and characterization of ZnS/TiO<sub>2</sub> nanocomposites, International Conference on Advanced Materials for Energy, Environment and Health (ICAM-2016), March 4-7, 2016.
3. Rahul, P. Jeevanandam and Partha Roy, Poster presentation on 'Synthesis of silver coated zinc oxide nanoparticles and studies on their antibacterial activity', International Conference on Advanced Materials for Energy, Environment and Health (ICAM-2016), March 4-7, 2016.
4. Vanita Sharma and P. Jeevanandam, Poster presentation on 'Synthesis of CuS nanoparticles by a novel thermal decomposition method and its application in the removal of methylene blue, International Conference on Advanced Materials for Energy, Environment and Health (ICAM-2016), March 4-7, 2016.
5. Urvashi Sharma and P. Jeevanandam, Poster presentation on Synthesis of titanium doped MgO heteronanostructures with tunable optical band gap by a facile thermal decomposition approach, International Conference on Nanoscience and Technology (ICONSAT 2016), Pune, February 29 to 02 March 2016.
6. Syam Kandula and P. Jeevanandam, Thermal decomposition approach for the synthesis of ZnO/Ag heteronanostructures and their use as photocatalyst for the degradation of methylene blue, Fourth International Conference on Frontiers in Nanoscience and Technology, Cochin Nano-2016, February 20-23, 2016, Cochin, India.
7. Rama Gaur and P. Jeevanandam, Synthesis of CdS nanoparticles with different morphologies and their use as visible light photocatalysts for degradation of crystal violet, 18<sup>th</sup> CRSI National Symposium in Chemistry, Punjab University and Institute of Nano Science and Technology, Chandigarh, February 5-7, 2016
8. Urvashi Sharma and **P. Jeevanandam**, Synthesis of Zn<sup>2+</sup> doped MgO nanoparticles using layered Mg-Zn hydroxide precursors and studies on their optical properties, NANODAYS 2015, S.N.Bose National Centre for Basic Sciences, Kolkata, February 16-18, 2015.
9. Syam Kandula and **P. Jeevanandam**, ZnO@CdS core-shell heteronanostructures as photocatalyst for the degradation of methylene blue, 17<sup>th</sup> National Symposium in Chemistry, Chemical Research Society of India

- (CRSI-NSC-17), CSIR-National Chemical Laboratory, Pune, February 6-8, 2015.
10. Rama Gaur and **P. Jeevanandam**, Synthesis and characterization of ZnO-CdS core-shell nanohybrids by thermal decomposition method and studies on their charge transfer characteristics, 5<sup>th</sup> Interdisciplinary Symposium on Materials Chemistry, Bhabha Atomic Research Centre, Mumbai, December 9-13, 2014
  11. Rama Gaur and P. Jeevanandam, Thermal decomposition approach for the synthesis of ZnO-CdS nanocomposites and studies on their optical properties, 6<sup>th</sup> International Conference on Nanoscience and Technology (ICONSAT 2014), Institute of Nano Science and Technology (INST), Mohali, Punjab, March 02-05, 2014.
  12. Geetu Sharma and **P. Jeevanandam**, Synthesis of iron oxide nanoparticles with different morphologies by a novel thermal decomposition approach, Symposium on Modern Trends in Inorganic Chemistry (MTIC-XV), IIT Roorkee, December 13-16, 2013.
  13. Syam Kandula and **P. Jeevanandam**, Synthesis of silica@cadmium sulphide core-shell nanoparticles by simple thermal decomposition approach, An international conference on 'Directions in Materials Science', JNCASR, Bangalore, November 30-December 01, 2013
  14. Sudheer Kumar Yadav and **P. Jeevanandam**, Synthesis of CdS-TiO<sub>2</sub> nanocomposites by thermal decomposition approach, International Union of Materials Research Societies – International Conference in Asia – 2013 (IUMRS-ICA-2013), IISc Bangalore, December 16-20, 2013.
  15. Geetu Sharma and **P. Jeevanandam**, Novel thermal decomposition approach for the synthesis of iron oxide microspheres, 2013 MRS Spring Meeting & Exhibit, San Francisco, USA, April 1-5, 2013.
  16. Nisha Bayal and **P. Jeevanandam**, Synthesis of SnO<sub>2</sub>-MgO mixed metal oxide nanoparticles by simple sol-gel method, 15<sup>th</sup> CRSI National Symposium in Chemistry, Banaras Hindu University, Varanasi, February 1-3, 2013
  17. Sudheer Kumar Yadav and **P. Jeevanandam**, NiO-Al<sub>2</sub>O<sub>3</sub> nanocomposites by a simple sol-gel process, 1<sup>st</sup> Winter Workshop on Engineering at Nanoscale: From Materials to Bio-sensors, IIT Indore, Indore, December 10-12, 2012
  18. Geetika Sahni and **P. Jeevanandam**, Synthesis of hydroxyapatite-silver nanocomposite for bio-medical applications, 2<sup>nd</sup> International Conference on Nanotechnology at the Bio-Medical Interface (NanoBio 2012), Amrita Centre for Nanosciences and Molecular Medicine, Kochi, February 21-23, 2012
  19. P. N. R. Kishore and **P. Jeevanandam**, A novel method for the synthesis of magnetic silica microspheres with iron oxide nanoparticles, 3<sup>rd</sup> Asian conference on coordination chemistry (ACCC-3), IIT Kanpur and IIT Delhi, New Delhi, October 17-20, 2011
  20. P. N. R. Kishore and **P. Jeevanandam**, Synthesis and characterization of silver-cobalt oxide nanocomposites, Chemical Research Society of India, North Zone Meeting, 2011, University of Jammu, September 22-24, 2011

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