

Faculty Profile

Name: Dr.Dharmendra Vasantbhai Tawde
Designation: Assistant Professor
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Contact No.: 0265-2303991 Ext: (950)
Total Experience: 6 Year 6 Months

Industry- In Years and Months NA

Professional Summary: (Educational and Profession Summary of Faculty)

- **Assistant Professor** of Physics (Regular) at Babaria Institute of Technology, BITS edu campus, Varnama, Vadodara from 10/03/15 to till date.
- **Assistant Professor** of Physics (Ad hoc.) at Government Engineering College, Gandhinagar Sector – 28 during 08/03/13 to 09/03/15.
- **Temporary Teaching Assistant** in Physics Department at M. S. University of Baroda during 11/09/12 to 07/03/13.

Educational summary

- Ph.D. – M.S.University – 2012- Luminescent Nano-materials
- M.Sc.- M.S.University – 2005 - Electronics & Radio Physics(Specialization)
- B.Sc. – M. S. University – 2003- Physics

Current Activities:

- Currently working as Assistant Professor of Physics at Babaria Institute of Technology, BITS edu campus, Varnama, Vadodara,Gujarat.

Specialization Areas: Physics

Subject Taught (UG): Physics

Qualification:

- Ph.D. – M. S. University – 2012
- M.Sc. – M. S. University – 2005
- B.Sc. – M. S. University – 2003

Skills: NA

Achievements: (Any Achievements/Awards/Grants obtained by faculty in his or her field)

- Won the prize for **best poster presentation** for the paper “*Photoluminescence of PbWO₄ Nanocrystallites Using Hydrothermal Preparation*” in the National Conference on Luminescence and its Application at Kolkata in 2009.
- Research fellowship for meritorious student in sciences by university grant commission (UGC) of India (2008-2013).

Research Project: NA

Publications:

In Journals:

1. *Effect of Lead source and Cerium(III) doping on structural and photoluminescence properties of PbWO₄ microcrystallites synthesized by hydrothermal method*, **D. Tawde**, M. Srinivas and K. V. R. Murthy, Phys. Status Solidi A, Vol. 208, Issue 4, Pages 803-807, April 2011.
2. *Effect of Temperature and Doping of Cerium on PbWO₄ nano Phosphor*, **D.Tawde**, M.Srinivas, Dhaval Modi and K.V.R. Murthy, International Journal of Luminescence and Applications (IJLA), Article ID: 50, Volume 2(I), Pages 9-11, ISSN 2277– 6362, August, 2012.
3. *Photoluminescence Investigation of CdWO₄:Ce, Er doped nano phosphor*, Dhaval Modi, M.Srinivas, **D.Tawde**, Shashi Garg, Verma Vishwnath, Dhaval Khatri, Nimesh Patel, K. V. R. Murthy, International Journal of Luminescence and Applications (IJLA), Article ID : 55, Volume 2(I), Pages 27-29, ISSN 2277– 6362, August, 2012.
4. *Effect of Reaction Parameters on Structural and Photoluminescence properties of Cerium Doped PbWO₄ Nanophosphor*, **D.Tawde**, M.Srinivas, Dhaval Modi, Nimesh Patel, Verma Vishwanath and K.V.R. Murthy, International Journal of Luminescence and Applications (IJLA), Article ID :98 Volume 3 (I) , Pages 79-82, ISSN 2277– 6362, Jan 2013.
5. *Characterization of Newly Synthesized Strontium Cerium Niobate Nanophosphor* M.Srinivas, Verma Vishwanath, Nimesh Patel, Dhaval Modi, **D.Tawde** and K.V.R. Murthy , Journal of Luminescence Vol. 147, Pages 324-327, March 2014.

6. *Hydrothermal synthesis and photoluminescence properties of cerium-doped cadmium tungstate nanophosphor*. Dhaval Modi, M.Srinivas, **D.Tawde**, K.V.R. Murthy, V. Vishwanath and Nimesh Patel , Journal of Experimental Nanoscience , April 2014 , <http://dx.doi.org/10.1080/17458080.2014.899714> . Volume 10, Issue 10, July 2015, pages 777-786
7. *Luminescence in Lead Tungstate Hollow Nano Tubes*. M.Srinivas, **D.Tawde**, Verma Vishwnath, Nimesh Patel and K.V.R.Murthy , Advance Physics Letters , ISSN (Print) : 2349-1094, ISSN (Online) : 2349-1108, Vol 1, Issue 1, 2014.

In Conferences:

1. *Photoluminescence Studies of Al₂O₃-CeO₂*
Verma Vishwnath, M.Srinivas, **D.Tawde**, Dhaval Modi, Shahi Garg and K.V.R. Murthy, Proceedings of the 4th International Conference on Luminescence and Its Applications (ICLA), 7-10 Feb, 257, 2012.
2. *Structural and Optical studies of ZnO-TiO₂*
Nimesh Patel, M.Srinivas, **D.Tawde**, Dhaval Modi, and K.V.R. Murthy, Proceedings of the 4th International Conference On Luminescence and Its Applications (ICLA), 7-10 Feb, 363, 2012.
3. *Structural and Photoluminescence properties of SrWO₄ microcrystallites prepared by hydrothermal method*, Dhaval Modi, **D.Tawde** and M.Srinivas, Proceedings of the National Conference on Luminescence and its Application (NCLA-2011), Raipur.
4. *Hydrothermal preparation and Photoluminescence of bundle-like structure of CdWO₄ nanorods*, Dhaval Modi, **D. Tawde** and M. Srinivas, UGC Sponsored Seminar on Current Trend in Physics and its Applications,5, Jan-2011, Dabhoi.
5. *Structural and Optical study of PbWO₄ nano crystals prepared by Micro-emulsion Hydrothermal method*, **D. Tawde** , M. Srinivas and Sunil Shah , 54rd Proceeding of DAE-SSPS, 337-338 (2009), The M.S.University of Baroda.
6. *Photoluminescence of PbWO₄ Nanocrystallites Using Hydrothermal Preparation*. **D. Tawde** and M. Srinivas, Proceedings of the National Conference on Luminescence and its Application, 24-25 (2009), Kolkata.
7. *Structural, Optical and Dielectric properties of (Pb,Sr)WO₃*, **D.Tawde** and M. Srinivas, 53rd Proceeding of DAE-SSPS, 211-212 (2008) at BARC.
8. *Photoluminescence study of Er³⁺ doped ZnO-B₂O₃-ZnF₂ glasses*, M.Srinivas, D.K.Kanchan, H.R. Panchal , Fouran Singh , **D.Tawde**, 51st Proceeding of DAE-SSPS (2006), 26-30 December, Bhopal

Activities and honors:

Sate Level/National /International Conferences attended

1. International conference at IICT, Hyderabad during 7-10, Feb,2012.
2. International conference at SVNIT, Surat during 22-24, Dec,2011.
3. National conference at LNCT, Indore during 18-20, August ,2011.
4. Sate Level conference at Shri C.N.P.F. Arts & D.N.Science Collage ,Dhabhoi , Gujarat on 5, August ,2011.
5. National conference at MSU, Baroda, Gujarat during 1-2, Feb ,2011.
6. National conference at MSU, Baroda, Gujarat during 14-18, Dec ,2009.
7. National conference at MSU, Baroda, Gujarat during 27, Feb ,2009.
8. National conference at CGCRI, Kolkatta during 18-20, Feb ,2009.
9. National conference at BARC & TIFR, Mumbai during 26-30, Dec,2008.
10. National conference at Barkatullah University, Bhopal during 26-30, Dec,2006.

Workshops attended

1. International symposium cum workshop on luminescence materials at MSU, Baroda, Gujarat during 18-20, Dec, 2015.
2. National workshop at IIT, Gandhinagar, Gujarat during 4-5, July, 2014.
3. National workshop at MSU, Baroda, Gujarat during 24-25, Jan, 2013.
4. National workshop at MSU, Baroda, Gujarat during 26-27, Nov, 2012.
5. National workshop at MSU, Baroda, Gujarat during 20-22, March, 2010.
6. National workshop at MSU, Baroda, Gujarat during 30, March, 2008

Training conducted

- Karmayogi Residential Training for Quality improvement Program in Technical education organized by CTE, Gandhinagar during 21-23,Nov, 2013.

Membership

- Life time member of **Luminescence society of India.**

Grant received: Nil