

CURRICULUM VITAE

Name: Dr. Pranab Jyoti Dihingia

Designation: Assistant Professor

Date of joining: 05/10/2016

Father's Name: Mr. Ranjit Kumar Dihingia

Mother's Name: Mrs. Santana Dihingia

Qualification: M. Sc. (Physics), M. Phil. (Physics), Ph.D. (Physics)

NET/SLET Qualification: SLET

University: Dibrugarh University, Dibrugarh, Assam

Specialization in M.Sc.: Electronics and Condensed Matter
Physics

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Other Personal Details:

Gender: Male

Date of Birth: 24/07/1982

Nationality: Indian

Marital Status: Married

Permanent Address:

Vill: 108 No. Khowang Grant (Opp. Tilo Gramya Bazar),

P.O: Dikhari Moran Gaon,

PIN: 785675,

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Dist: Dibrugarh (Assam).

M. Phil.: From Department of Physics, Dibrugarh University (2009)

Dissertation Title: "Conversion of GPS slant TEC to VTEC using a computerized tomographic method for Indian zone ionosphere."

Ph. D.: From Department of Physics, Dibrugarh University (2014)

Thesis Title: "Synthesis, Characterization, Optoelectronic Studies of Some Rare-Earth and Transition Metal-Doped Semiconductor Nanomaterials."

Other Qualifications: 6MCCCA (Six Months Certificate Course in Computer Application) from Centre for Computer Studies, Dibrugarh University, Dibrugarh (Assam).

Computer Programming Knowledge: Programming in FORTRAN/C/MATLAB, etc.

Research Activities:

Papers Published:

1. "Synthesis of TiO₂ nanoparticles and spectroscopic upconversion luminescence of Nd³⁺-doped TiO₂-SiO₂ composite glass", **P. J. Dihingia**, S. Rai*, *Journal of Luminescence 132 (2012) 1243-1251*.

2. "Effect of CdS nanoparticles on fluorescence from Sm³⁺ doped SiO₂ glass", S. Rai*, L. Bokatial, **P. J. Dihingia**, *Journal of Luminescence 131 (2011) 978-983*.

3. "Photoluminescence of Eu³⁺-doped TiO₂-SiO₂ glass derived by sol-gel method", **P. J. Dihingia**, S. Rai*, *Asian Journal of Spectroscopy Special Issue (2012) 253-257*.

4. "Optoelectronics of Cu²⁺-doped TiO₂ films prepared by sol-gel method", S. Rai and **Pranab J. Dihingia**, Chapter 72; **Advances in Optical Science and Engineering Springer Proceedings in Physics**, volume: 166, 2015, pp581- 589, DOI: 10.1007/978-81-322-2367-2_

Print ISBN: 978-81-322-2366-5,
Online ISBN: 978-81-322-2367-2,
Series ISSN: 0930-8989,
Publisher: Springer.

Book Chapter:

"Application of TiO₂ and Dye Coated TiO₂ Thin Films for Solar Energy Conversion for Sustainable Alternative Energy Source", S. Rai and **P. J. Dihingia**, Chapter 36; **Book: Management of Natural Resources for Sustainable Development**, ISBN: 978-93-82880-95-0, Excel India Publishers, New Delhi, India.

Other Research Highlights:

1. One of our research articles (*Journal of Luminescence 132 (2012) 1243-1251*) has the distinction of being included in the **top 25 hottest** articles of Science Direct between April to June 2012.

2. The important findings of the research work in the paper *Journal of Luminescence 132 (2012) 1243-1251* have also been included in the **book ADVANCES IN NANOTECHNOLOGY (2012 Edition)**. **Now, available in Google Books.**

TEACHING EXPERIENCE:

- 1.** As **Assistant Professor** of Physics (**Permanent**) from 05/10/2016 onwards at Dibru College, Dibrugarh, Assam.
- 2.** Three (3) year contractual teaching as a lecturer in the Dept. of Physics, Moran College, Moranhat, Assam (16th July, 2013 to 5th August, 2016).
- 3.** Assistant Professor on contract basis from February, 2012 to December, 2012 in the Dept. of Physics, Dibrugarh University, Dibrugarh, Assam.