

Brief Profile

Name: Dr. Anjalu Ramchiary

Designation: Assistant Professor

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Department: Physics

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Academic:

Ph. D. (Tezpur University), 2017.

M. Sc. (Tezpur University); 2012.

Awards/Achievements:

UGC Rajiv Gandhi National JRF/SRF (2012-2013).

Publication:

Journal Papers:

1. **Anjalu Ramchiary**, S.K. Samdarshi, T. Sripathi, Hydrogenated mixed phase Ag/TiO₂ nanoparticle – A super-active photocatalyst under visible radiation with multi-cyclic stability, Solar Energy Materials & Solar Cells 155 (2016) 117–127.
2. **Anjalu Ramchiary** and S. K. Samdarshi, Hydrogenation based disorder-engineered visible active N-doped mixed phase titania, Solar Energy Materials and Solar Cells (2015) 134, 381-388.
3. **Anjalu Ramchiary** and S. K. Samdarshi, High Visible Light Activity of Hydrogenated Structure-Engineered Mixed Phase Titania Photocatalyst, Chemical physics letters, 597 (2014) 63-68.
4. **Anjalu Ramchiary** and S. K. Samdarshi, Ag deposited mixed phase titania visible light photocatalyst– Superiority of Ag-titania and mixed phase titania co-junction, Applied Surface Science, 305 (2014) 33-39.

5. Biju Mani Rajbongshi, **Anjalu Ramchiary**, S K Samdarshi , Influence of N-doping on photocatalytic activity of ZnO nanoparticles under visible light irradiation, *Materials Letters* **134** (2014) 111–114.
6. Biju Mani Rajbongshi, **Anjalu Ramchiary**, and S K Samdarshi, Investigation of visible light active Ag sensitized mixed phase TiO₂ photocatalyst for solar energy application, *J Sol-Gel SciTechnol* **72** (2014) 114–121.
7. B.M. Rajbongshi, **Anjalu Ramchiary**, B.M. Jha and S.K. Samdarshi, Synthesis and characterization of plasmonic visible active Ag/ZnO photocatalyst, *Journal of Materials Science: Materials in Electronics*, **25** (2014) 1-5.
8. Bibha Boro B. Gogoi, B.M. Rajbongshi, A. Ramchiary, Nano-structured TiO₂/ZnO nanocomposite for dye-sensitized solar cells application: A review, *Renewable and Sustainable Energy Reviews*, 2017.

Conference/Symposium/ Workshop

1. **Anjalu Ramchiary** and S.K. Samdarshi, Synthesis and investigation of visible active Ag sensitized TiO₂ photocatalyst for solar energy utilization, *International Conference on Nanotechnology* 2013, Kolkata.
2. **Anjalu Ramchiary**, Biju Mani Rajbongshi and S.K. Samdarshi, Enhanced Visible Light Active Silver Sensitized Nitrogen-Doped Titania for Photocatalytic Applications. *ICORE* 2013, KIT University, Bhubaneswar
3. **Anjalu Ramchiary**, Biju Mani Rajbongshi and S.K. Samdarshi, Investigation of the photocatalytic performance of Fe-doped TiO₂ photocatalyst under visible light for solar energy utilization, *International Conference on Green Energy and Smart Materials through Science and Management 2014* (GSEM'14), Guwahati.
4. **Anjalu Ramchiary** and S.K. Samdarshi Synthesis, characterization and study the electrochemical behaviour of Ag/TiO₂ thin film. *International Conference on Recent Innovations in Science, Education and Technology* (2016).
5. Workshop on Spectroscopic Tools and their Applications. Conducted by Dept. of Chemical Science, Tezpur University. Date: 06/04/2013.
6. Indo-Finish Symposium on Role of catalysis on production of green fuel. Dept. of Energy, Tezpur University, Date: 01/02/2013.

7. Functioning and maintenance of solar radiation resource assessment station, Dept. of Energy, Tezpur University, Date: 03/07/2014.
8. Indo-finish workshop on green chemistry, Organized by dept. of Energy, Tezpur University, December 13-14, 2013.

Teaching Experience:

From December 2017-Continuing: Assistant Professor in the department of Physics at Bodoland University.

August 2017 to December 2017: Worked asAssistant Professor in the department of Physics at PanditDeendayalUpadhyayaAdarshaMahavidyalaya, Amjonga, Goalpara.

August 2016 to July 2017: Worked asFull-Time Guest faculty in the in the department of Physics at Bodoland University, Kokrajhar.

September 2015 to August 2016: Worked asPart-time guest faulty in the department of Physics at Bodoland University, Kokrajhar.

August 2015 to July 2016: Worked as contractual Assistant Professorin the department of Physics at Bineswar Brahma Engineering College, Kokrajhar.