

CURRICULUM VITAE

Name : **Dr. TILAK NARAYAN GHOSH**
Designation : **Assistant Professor**
Department of Electronics
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Date of Birth : 26/04/1986

Education Qualification : **M.Sc., PhD (VU)**

Ph.D. Thesis title : **Experimental Investigation of non-Ohmic Electrical Transport in Polycrystalline Manganite System**

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❖ **Area of Teaching:**

- i) Basic Circuit Theory and Network Analysis
- ii) Semiconductor Devices
- iii) Basic Electronics
- iv) Digital Electronics
- v) Microprocessors and Microcontrollers
- vi) Electromagnetism
- vii) Communication Electronics

❖ **Associated with any other Organization:**

Life Member: Indian Association of Physics Teachers

List of research papers published:

1. Scaling description of non-Ohmic transport in manganites, T.N. Ghosh, U.N. Nandi, S. Chattopadhyay, D. Jana, S.C. Saha, *Solid State Commun*, **152**,1595 (2012).
2. Nonlinear alternating current conduction in polycrystalline manganites, T.N. Ghosh, U.N. Nandi, D. Jana, K. Dey, S. Giri, *J. Appl. Phys.***115**, 243707(2014).

3. Characterization of magnetic phase in yttrium-doped polycrystalline $\text{La}_{1-x-y}\text{Y}_y\text{Ca}_x\text{MnO}_3$ with $x=0.05$, 0.33 and $y=0.07$ using dielectric and optical parameters, T.N. Ghosh, U.N. Nandi, D. Jana and Tapas Pramanik, *Physica B* **507**,134(2017).

Presentation in National Symposium:

1. Scaling description of non-Ohmic Transport in $\text{La}_{0.60}\text{Y}_{0.07}\text{Ca}_{0.33}\text{MnO}_3$ manganites, T.N. Ghosh, S. Chattopadhyay, A. Sarkar, S.C. Saha, U.N. Nandi and D. Jana, Proceedings of National Conference on Condensed Matter Days 2011.

2. Scaling of Onset voltage in Polycrystalline Manganites, T.N. Ghosh, U.N. Nandi, D. Jana and S.C. Saha, Proceedings of National Conference on Condensed Matter Days 2013.

3. Nonlinearity Exponent for ac conduction: A useful probe of phases in Polycrystalline Manganites, T.N. Ghosh, U.N. Nandi, D. Jana, K. Dey and S. Giri Proceedings of National Conference on Condensed Matter Days 2014.

4. Dielectric response of Polycrystalline $\text{La}_{1-x-y}\text{Y}_y\text{Ca}_x\text{MnO}_3$ Manganite, T.N. Ghosh, U.N. Nandi, D. Jana, K. Dey and S. Giri, Proceedings of National Conference on Condensed Matter Days 2015.

5. Study of adsorption properties of Fe nanoparticles in graphene composites on organic dyes for environmental applications. T.N. Ghosh, S.S.Pradhan and S.K Sarkar Proceedings of National Conference on Condensed Matter Days 2019.

6. The Dielectric Properties of Graphene Oxide-Poly (Acrylic Acid) (PAA-GO) and Graphene Oxide-Poly(Vinyl Alcohol) (PVA-GO) Nanocomposites. S.S.Pradhan, T.N. Ghosh and S.K Sarkar, Proceedings of National Conference on Condensed Matter Days 2019.

7. The Optical Properties of Graphene Oxide- poly-acrylic acid (PAA-GO) and Reduced Graphene Oxide- poly-acrylic acid (PAA-RGO) Nanocomposites, T.N. Ghosh, S.S.Pradhan, S.K Sarkar and S.C. Saha, Proceedings of Young Scientists' Conference as a part of India International science Festival -2019.

Details of Seminars, Conference and Symposium organized/Attended:

1. Young Scientists' Conference as a part of 5th India International science Festival 2019 5-8th November 2019 held at Biswa Bangla Convention Centre Kolkata, West Bengal, India.
2. Trends in Surface and Related Areas– 12th September 2019, held at Vidyasagar University, West Bengal, India.
3. National Conference on Condensed Matter Days 2019” 29-31st August 2019, at Vidyasagar University, West Bengal, India.

4. Academic Coordinator of CKM Memorial Workshop for Experimental Physics: Phase II from 16th to 19th March 2019 at Midnapore College, West Bengal, India
5. 10th Vidyasagar-Satyendranath Bose National Workshop 2019 on Expanding Horizon in Physics (EHP-2019) 16-22nd January 2019 at Vidyasagar University, West Bengal, India,
6. 9th Vidyasagar-Satyendranath Bose National Workshop 2018 on Science of Materials: Challenges and Prospects(SMCP-2018) 17-19th January 2018 at Vidyasagar University, West Bengal, India.
7. CKM Memorial Workshop for Experimental Physics 2018 at Midnapore College, West Bengal, India
8. Recent Advances in Research of Statistical Physics 25 -28th July 2017 at Scottish Church College Kolkata, West Bengal, India.
9. 7th Vidyasagar–Satyendranath Bose National Workshop 2016 on Theory and Application of Advanced Materials (TAAM 2016) 15-17th March 2016 at Vidyasagar University, Midnapore, West Bengal, India.
10. National Conference on Condensed Matter Days 2015, 27-29th August 2015 at Shatiniketan Visva- Bharati, West Bengal, India.
11. National Conference on Condensed Matter Days 2014, 27-29th August 2014 at University of Calcutta, West Bengal, India.
12. National Conference on Condensed Matter Days 2013 29-31st August 2013 at NIT Rourkela, Odisha, India.
13. 3 Day National Workshop on General Theory of Relativity and Cosmology, 12-14th February 2013, at Midnapore College, West Bengal, India.
14. National Seminar on Laser Materials and its Applications, 2-3rd March, 2012 at Midnapore College, West Bengal, India.
15. National seminar on Education, Marriage and Bridal Industry, 19-20th January at Midnapore College, West Bengal, India.
16. National Conference on Condensed Matter Days 2011 24-26th August 2011 at Gauhati University, Guwahati, Assam, India.
17. National Workshop on Quantum Perspective of Advanced Materials, 23-25th March 2011, at Vidyasagar University, Midnapore, West Bengal, India.
18. State level Seminar on Electronics for the 21st century, 27th March 2009 at Vidyasagar University, Midnapore, West Bengal, India.