RESUME

Name of the Faculty : Dr. M. LEENA

Department : PHYSICS

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CAREER OBJECTIVES:

Aiming at excellence in the working field through hard work, dedication, honesty at challenging environment.

TEACHING EXPERIENCE: 8Yrs. & 10 months

Name of the post	Name of the department	Name of the Institution	Year of experience
Assistant Professor	Physics & ECS	Shree Chandraprabhu Jain College, Minjur, Chennai - 601203	**6 yrs.** (Sep 2007 to Aug 2013)
Head and Assistant Professor	Humanity and Science	Kumaran Institute of Engineering College, Nanthiyambakkam, Chennai - 601203	**9 months** (Aug 2018 to April 2019)
Assistant Professor	Physics	Thiruthangal Nadar College, Selavayal, Chennai- 600051.	**1 yr. 11 months** **(May 2019 to till date)**

EDUCATIONAL QUALIFICATION:

Degree/Course Studied	***College / University Studied***	***Year of Passing***	***Class***
Ph.D. Physics (Full Time.) Physics	Presidency College (Autonomous) Chennai	2018	Completed
M.Phil., Physics	Annamalai University Chithambaram	2010	I
M.Scl., Physics	Annamalai University Chithambaram	2006	I
B.Sc., Physics	Bharathi Women's Arts and Science College (Autonomous) Chennai	1999	II

Research Publications:

1. **M. Leena,** S. Srinivasan, Synthesis and ultrasonic investigations of TiO_2 nanofluids, *Molecular Liquids*, Elsevier Publication, Impact factor : 3.5, 206 (2015) 103–109

2. **M. Leena,** S. Srinivasan and M. Prabhaharan, Evaluation of acoustical parameters and thermal conductivity of TiO_2-ethylene glycol nanofluid using ultrasonic velocity measurements, *Nanotechnology Review*, De Gruyter Publication, Impact factor:1.5, 4(5) (2015) 449- 456.

3. **M. Leena,** S. Srinivasan, A comparative study on thermal conductivity of TiO_2/ethylene glycol–water and TiO_2/propylene glycol–water nanofluids, *Thermal Analysis and Calorimetry*, Springer Publication, Impact factor : 2.4, 131(2) (2017) 1987-1998.

4. **M. Leena,** S. Srinivasan, Effects of rare earth doped on thermal conductivity of ZnO -water nanofluid by ultrasonic velocity measurements, *Materials Letters*, Elsevier Publication, Impact factor : 2.5, 219 (2018) 220–224.

5. **M. Leena,** S. Srinivasan, Experimental investigation into thermal physical properties of propylene glycol and water mixture TiO_2 nanofluids for heat transfer applications**,** *Engineering Physics and Thermophysics*, Springer Publication, Impact factor : 1, 91 (2), 525-533.

6. **M. Leena,** S. Srinivasan, Thermal conductivity and acoustical investigation of SnO_2 nanofluids using ultrasonic velocity measurements, *Int. Journal of Materials Electronics and Materials Science,* https://doi.org/10.1007/s10854-019-01141-2 Springer Publication, Impact factor : 2.4

Paper Presented / Participated:

1. International Conference on Recent Advances in Physics 2013 at Vidhya Mandhir Arts and Science College, Department of Physics, Uthangarai, during 12^{th} – 13^{th} August 2013.

2. Investigation on Ultrasonic velocity of TiO_2 Based Nanofluids, National Seminar on New Materials Research and Nanotechnology, Governments Arts College, Department of Physics, Udhagamandalam, The Nilgiris, during 25^{th} – 27^{th} September 2013.

3. National Seminar on Recent Advances in Physics, Presidency College, Department of Physics, Chennai, during 7^{th} – 8^{th} March 2014.

4. Evaluation of Acoustical Parameters of TiO_2 – Ethylene glycol Nanofluid using Ultrasonic Velocity Measurements, Finsta'14 International Conference on Frontiers in Nano Science, Technology and Applications, Sri SathyaSai Institute of Higher Learning, Department of Physics, Prashanthinilayam, A.P., India, during 20^{th} – 22^{th} December 2014. [***Best Poster Presentation award received]***

5. International Conference on Recent Trends in Analytical Chemistry, Department of Analytical Chemistry, University of Madras, Guindy campus, Chennai, during 28^{th} – 30^{th}, December 2015. [***Best Poster Presentation award received]***

6. Effect of Temperature and Concentration on the Particle – Fluid Interactions of SnO_2 nanofluids using Ultrasonic Technique, International Conference on Nanoscience and Nanotechnology, Department of Physics, SRM University, Kattankulathur, during 9^{th} – 11^{th}, August 2017.

7. International Conference on Physics of Advanced Materials and Molecules (ICPAMM), Department of Physics, Dr. Ambedkar government Arts College, vyarsarpadi, Chennai, during 30 & 31 , January 2020.

8. National Level Sir C.V. Raman lecture series on "Advanced Materials Science" organised by the Department of Physics, Ethiraj College for Women (Autonomous), Chennai on 5th March 2021.

Workshop Attended:

1. Workshop Workshop on Nanomaterials Characterization at National Centre for Nanoscience and Nanotechnology, University of Madras, Guindy Campus, Chennai, during 5^{th} – 6^{th} November 2013.

2. Science Acadamies Lecture Workshop on Topics in Theoretical Physics, Presidency College , Department of Physics, Chennai, during 10th -11th March 2014.

FDP Attended:

1. NAAC The New Format: A Paradigm Shift, Thiruthangal Nadar College, Selavayal, Chennai, during 14th September 2019.

Awards:

1. Evaluation of Acoustical Parameters of TiO_2 – Ethylene glycol Nanofluid using Ultrasonic Velocity Measurements, Finsta'14 International Conference on Frontiers in Nano Science, Technology and Applications, Sri SathyaSai Institute of Higher Learning, Department of Physics, Prashanthinilayam, A.P., India, during 20th – 22th December 2014. [***Best Poster Presentation award received]***

2. International Conference on Recent Trends in Analytical Chemistry, Department of Analytical Chemistry, University of Madras, Guindy campus, Chennai, during 28th – 30th, December 2015. [***Best Poster Presentation award received]***

Additional Activities:

- Conducted Science day Function in 2010-2013 & 2020
- Handled as an Asst. Chief Examiner for University Examination during 2010-2012.

DECLARATION

I hereby declare that the above mentioned particulars are true of the best of my knowledge and I assure you that I will work in the right earnestness and fulfill the expectations of my superiors.

Place: Chennai.

Date: Signature

(Dr. M. LEENA)