

Faculty Profile

Name of the Faculty : Dr N Abhiram
Designation : Assistant Professor
Email & Phone No. : abhiramphysics@gmail.com, 9492604363
Department : Physics
Educational Background: M.Sc. Ph. D



Ph.D. - Koneru Lakshmiiah Educational Foundation, Guntur.
M.Sc. in Physics from P B Siddhartha College.

Research Areas : Material Science, Nanotechnology
Experience : 7+ 5 (Research) = 12

Sl. No	Institute	Designation	Period
1	Lingayas Institute of Management and Technology	Assistant Professor	June 2016 – Dec 2017
2	Nimra Institute of Technology	Assistant Professor	Oct 2015 – May 2016
3	Andhra Loyola College	Lecturer	Dec 2014 – April 2015.
4	Sri Chaitanya Educational Institutions	JL	June 2011 – Nov 2014

List of Publications (National and International Journals):

- **Abhiram. N.**, Thangaraju.D., Marnadu.R. et al. Fabrication of NiS decorated hollow SnS nano-belts based photodiode for enhanced optoelectronic applications. Journal of Nanoparticle Research J Nanopart Res 23, 83 (2021). <https://doi.org/10.1007/s11051-021-05185-6>.(Impact Factor- 2.253)
- **Abhiram. N.**, Thangaraju.D., Marnadu.R. et al. Development of morphology tuned SnS hierarchical structures for enhanced photosensitive photodiode fabrication. Inorganic Chemistry Communications 129(2021)108623. DOI: 10.1016/j.inoche.2021.108623 (Impact Factor – 3.428).
- **Abhiram.N.**, Thangaraju, D., Marnadu, R. et al. Structural, vibrational, morphological, optical and electrical properties of NiS and fabrication of SnS/NiS nanocomposite for photodetector applications. Inorganic Chemical Communications 133(2021)108882 DOI: <https://doi.org/10.1016/j.inoche.2021.108882> (Impact Factor – 3.428).

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- Shanmugam Sengottain, T. Rajesh, G. Sunitha Sundari, N.S.M.P.Latha Devi, **N. Abhiram** Experimental investigation on The Performance of a Solar Still Using Sio2 Nanoparticles/Jatropha Carcass L., Jan 2022, DOI: 10.21203/rs.3.rs-166469/v1 (Impact Factor - 2.941)
- S. Shanmugan, P. Selvaraju, S. Sivakumar, J. Nagaraj, M.V.V.K. Srinivas Prasad, **N. Abhiram**, Solar cells absorption viewpoint of Mie theory: Experimental analysis of 3 TiO2 doping V/Ce. July 2021, <https://doi.org/10.1016/j.matpr.2021.07.110>. Materials Today Proceedings. (Impact Factor – 2.59)

National/International Conferences ((National and International):

- Attended two-day workshop on Malvern Panalytical Instrument Company in Associated with AC staff college and R&D, “Better XRD Research and Data Analysis “, 22nd - 23rd April 2021, KLEF.
- Paper presented and participated in conference on (IVSCAMSEA-2020) with the title “Methods of Physical Vapour Deposition Techniques for the Synthesis of Thin Film and their Applications” 5th December 2020 held at KLEF.
- Participated in a two-day UGC sponsored seminar on “Recent trends in Nano Science & Nanotechnology”, 30th -31st January 2020 held at ANU, Guntur.
- Participated in a three-day international conference on “ADVANCED FUNCTIONAL MATERIALS AND DEVICES” (ICAFMD), 26th -28th February 2019, held at NIT Warangal.
- Attended a workshop on “Need for Quality and Context in Engineering and Sciences Research”, 29th September 2018 held at KLEF.
- Paper presented in “NANOTECHNOLOGY FOR THE FUTURE ENERGY CHALLENGES (NFTFEC) – UGC sponsored, APAS, Amaravati, 18th Dec 2018, held at P.B. Siddhartha College of Arts & Science Vijayawada.
- Participated in a two-day UGC sponsored seminar on “Renewable resource and energy”, 27th - 28th February 2015, held at Andhra Loyola College.

Achievements / Awards etc:

- **NIL**

N Abhiram