

Name of Faculty	Dr.M.CHANDRA SEKHAR
Designation	Assistant Professor
Nature of Job/Appointment	Contract
Date of Joining	24-3-2021
E-mail	chandrasekharm_physics@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctorate in Philosophy (PHYSICS)	Awarded
PG	M.Sc (PHYSICS)	Distinction
UG	B.Sc	Distinction
Others	M.Tech (Nanotechnology)	Distinction
	M.Sc (Psychology)	Distinction
	Post Graduate Diploma TeleCommunications (PGDTC)	Distinction
	Qualified State Eligibility Test(SET-2014)	Osmania Univ
	Qualified State Eligibility Test(SET-2012)	Osmania Univ
	Qualified Faculty Eligibility Test(FET-2010)	JNTUH

Received “*National Distinguished Teacher Award-2021*” by INSTITUTE of OR is Registered with Ministry of MSME, Govt. of India (UDYAM-PB-20-0002405).

Work Experience

Teaching	16
Research	6
Industry	-
Others	-

Area of Specialization Nanoscience and Nanotechnology

Professional Memberships Indian Association of Physics (IPA) Life Membership

Responsibilities held at Institution Level Member in STUDENT COUNSELING CELL.

Member in maintenance committee.

Responsibilities held at Department Level

Research Guidance As a co-guide for 2 scholars (VIGNAN University)

Courses Handled at Under Graduate / Post Graduate Level.

Electromagnetic Theory & Quantum Mechanics

No. of Papers Published

National Journals –

International Journals –6

National Conference – 04

International Conference – 4

Projects Carried out

-

Patents

-

Technology Transfer

Invited Speaker (Few Important/Prominent)

An Invited Speaker on “Role of Nanotechnology in communication systems“ in between 2nd November to 14th November 2021, in association with Electronics & ICT Academy, NITW.

No. of Books/Chapter Published with details

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Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (**Attended and/or Organized**).

1. Completed AICTE (ATAL) FDP on " Fundamentals and Applications of Photonic Crystals and Metamaterials " from 4/10/2021 to 8/10/2021 at IIIT Allahabad.
2. Completed successfully AICTE (ATAL) FDP on "Nanomaterials and Nanotechnology" from 20/09/2021 to 24/09/2021 at Defence Institute of Advanced Technology.
3. Completed successfully AICTE (ATAL) FDP on "Fabrication and Characterization of Thin Films for Future Technological Applications" from 16/08/2021 to 20/08/2021 at The National Institute of Engineering.
4. FDP from 2021-07-05 to 2021-07-10 on Android app using Kotlin organized by IIT Bombay.
5. One-Week Online Faculty Development Programme on “Mentoring Pedagogy and Online Teaching for Higher Education ” organized by E&ICT Academy IIT Guwahati held from 09 to 14 August, 2021.
6. One Day National Webinar on "Medical Physics in Cancer Care and Radiation Protection" organized by Department of Physics, Krishna University on 18th September 2021.
7. participated in the online National Level Faculty Development Program (FDP) on “Materials for Photonic Applications” conducted during 9th-13th August, 2021 in MGIT.
8. Participated in the Five Days e-Workshop on LaTeX, organized by the Department of Mathematics, School of Science, GITAM, Bengaluru, India, held from 5th to 9th July 2021.
9. webinar on “Role of Nanotechnology for Alternative Energy Sources” held on 09-08-2021, organised by the Department of Physics, University College of Science, Mahatma Gandhi University.
10. Presented a paper “synthesis of PMMA/ZnO nanocomposites” in 2nd International Conference on Nano Science & Engineering Applications on 4th – 6th Oct 2018.
11. Attended a National Conference on Materials for Energy, Environment & applications (NCMEE-2018) on 29th-30th April 2018.
12. Attended an International Conference on Science & Engineering of Materials for Future Needs (ICSEMF-2015) on 21st-22nd Dec 2015.
13. Presented a Paper Entitled “vitality of physics in Nanotechnology ” in National Conference on Emerging Trends of Advanced Functional Materials (NCAFAM-2015) on 3rd-4th Sep 2015.
14. Attended a 2-Day workshop on Recent Trends in Device Materials
15. Participated a National conference on Recent Trends in Nanoscience & Technology for Device Applications (RNTDA-2013) on 4th April 2013, KL University.

16. Attended a 2-Day Faculty Development Programme (FDP-IX) on Teaching & Research Methodologies in Technical Education on 9th-10th Mar 2013.
17. Attended a 2-Day workshop on National Programme on Technology Enhanced Learning (IIT Madras) on 31st Aug-1st Jul 2012, NIT Warangal.
18. Presented a Paper entitled "Improved Corrosion Resistance by Nano composite" in International Conference on Latest Trends Nanoscience and Nanotechnology (ICNSNT-2011), March 2011.
19. Participated in a National conference on Nanoscience & Technology for Device Applications (NSTDA-2011), KL University.
20. Attended a 1-Day workshop on "Teaching English & Communication Skills-Best Practices" on 1st Oct 2010.
21. Participated in a National conference on Nanomaterials in Engineering by AICTE on 13 Sep 2010.
22. Attended 2-Day workshop on Introduction to Nanoscience & technology Applications on 3rd-4th Sep 2010, JNTUH.

Details of Journal Publications/
Conferences (National and
International)

International Journal : Impact Factor: IF

1. 2nd International Conference on Advanced Materials Behaviour and Characterization: ICAMBC_2021.
MS ID: AIPCP21-AR-ICAMBC2021-00020.
Title: "*Synthesis of Iron Oxide Nanoparticles and Their Electrochemical Behavior*".
2. Published an journal "PMMA/ZnO Nanocomposite Synthesis by Microwave Radiation" International Journal of Current Advanced Research (IJCAR) (Scopus indexed) ISSN (P): 2319-6475; ISSN:P: 2319-6505, Vol. 7, Issue 12(D), Dec 2018, 16624-16628.
3. Published a paper in journal "Swift Synthesis of ZnO Nanorods by Microwave Hydrothermal Method" International Journal of Physics and Research (IJPR) ISSN(P): 2250-0030; ISSN(E): 2319-499 ,Vol. 7, Issue 3, Aug 2017, 1-6.
4. Published a paper in journal "Instant Synthesis of ZnO Nanoparticles by Microwave hydrothermal Method" International Journal of Nanoscience and Nanotechnology (IJNN) ISSN 0974-3081 Volume 8, Number 1 (june 2017), pp. 17-23.
5. Published a paper in journal "Vitality of Physics In Nanoscience and Nanotechnology" International Organization for Scientific Research (IOSR) with ISSN: 2278-4861, Volume 7, Issue 1 Vol. III (Jan.-Feb. 2015), PP 01- 05.
6. Published a paper in journal "Nanocomposite Coating for Improved Corrosion Resistance" International Journal of Engineering Science and Technology (IJEST) with ISSN: 0975-5462, Vol. 4 No.07 July 2012.