

Dr. K.S.K.R. Chandra Sekhar



Designation : Assistant Professor
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Velagapudi Ramakrishna Siddhartha Engineering College,
Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Physics)

2021, A.U.College of Engineering (A), Andhra University, Visakhapatnam, A.P., India.

M.Sc (Physics) in First Class

2008, Andhra University, Visakhapatnam, A.P., India.

B.Sc (Physics) in First Class

2006, Andhra University, Visakhapatnam, A.P., India.

Experience

Period	Designation	Institution / Organization
2023 – Till date	Assistant Professor	V. R. Siddhartha Engineering College (A), Vijayawada.
2022 – 2023	Assistant Professor	GIET (A), Rajahmundry.
2009-2011	Assistant Professor	V.S.M. College of Engineering, Ramachandrapuram.
2008-2009	Lecturer for UG level	V.S.M. Degree & PG College, Ramachandrapuram.

Research Interests

Lead free ferroelectrics, relaxor, antiferroelectric and piezoelectric systems.

High-k Dielectric, Energy harvesting, and Electrocaloric Materials.

Magneto Electric Multiferroics, and Nanomaterials.

Courses Taught

- **Applied Physics (JNTU – K syllabus R20)**
Wave Optics, Laser and Fibre optics, Dielectric and Magnetic Materials, Electron theory of Metals, Quantum Free electron theory, Band theory of solids, and Semiconductors.
- **Physics (For M.Sc Applied Chemistry, Integrated course, 1st – 3rd Semesters)**
Optics, and Thermodynamics, Semiconductors, Electrostatics, Magnetostatics, Types of electric Magnetic materials and Time varying fields, Nuclear Physics, Elements of Crystallography.
- **Materials Science (Andhra University Syllabus)**
Conducting Materials, Dielectric Materials, Magnetic Materials and Superconducting Materials.
- **Engineering Physics (Andhra University Syllabus)**
Thermodynamics, Electromagnetism, Optics, Ultrasonics, Lasers and Optical Fibre, Quantum Mechanics.
- **UG-B.Sc**
Optics & Thermodynamics, Electricity, Magnetism & Modern Physics

Research Profile

Publications : Total:16 (International :16 National : 00)

The recent publications and research contributions can be viewed from the following URLs

Google Scholar	https://scholar.google.com/citations?hl=en&user=ILV_ILcAAAAJ
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57217838851
ORCID	https://orcid.org/0000-0003-3608-1327
Research Gate	https://www.researchgate.net/profile/Chandra-K-S-K-R

Recognized Research Supervisor

S.No.	Department	University
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Funded Research Projects

Completed	00
On-going	00
Applied	00

Patents

Granted	NIL
Published	00
Applied	00

Invited Talks

No. of Invited Talks	00
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Professional Development Activities - Participations

Faculty Development and Training Programmes	06
International / National Level Seminars	25
International / National Level Conferences	04
Workshops	30
Instructor Led / Self-Paced Courses	--
Webinars	10

(Dr.K.S.K.R.Chandra Sekhar)
