

Mr. Prahlad Chaudhary

Assistant Professor (Physics),
Government Science College,
Sector-15, Gandhinagar, Gujarat.
Mo. 9714581698
Email: prahaladchaudhary333@gmail.com



Objective

I would like to teach students using knowledge-transforming skills at my optimum level. I want to help them gain insight into Physics Subject. So, they can apply it when taking related tests and real-life situations and interested in empowering students to become socially aware world citizens.

Education

- **Ph.D. (Pursuing)**, Under the Guidance of Dr. D. H. Gadani at Department of Physics, School of Sciences, Gujarat University, Ahmedabad, Gujarat, India. Working on “Study of Effect Fertilizers and Pesticides on Dielectric Properties of Soils and Vegetations”.
- **M.Sc. (Physics)** with 69.5% from Department of Physics, School of Sciences, Gujarat University, Gujarat, India (April - 2017).
- **B.Sc. (Physics)** with 61.7% from C.U. Science College, Gujarat University, Gujarat, India (April -2015).

Experience

- Physics Teacher at Sadhana Vinay Mandir High School, Ahmedabad, from January to July 2021.
- Assistant Professor in Physics, Government Science College, Sector-15, Gandhinagar from 20th January 2022 to till date.

Profile

- **Areas of Interest**
Solid State Physics, Atomic and Molecular Physics, Quantum Physics, Electronics, Remote Sensing, Dielectric Material Studies.
- **Technical Skills**
C-Programming, Basic Python, Microprocessor 8085, QGIS Software, Microsoft Office.
- **Core Competencies**

Research Management, Research Data Compilation, Time management, communication skills, Ability to work as individual as well as in group, Ability to cope up with different situation.

Presentations

Poster Presentation on “**Measurement of Dielectric Properties of Moist and Fertilized Soil at Radio Frequencies**” at *R.K. University* Rajkot, Gujarat (Jan-2018).

Poster Presentation on “**Effect of Urea Fertilized on Dielectric properties soil**” at *Science Excellence 2018 (SCIEXL-2018)*, Department of Botany, Bioinformatics and Climate Change Impact Management, Gujarat University, Ahmedabad. (September-2018)

Poster Presentation on “**Effect of Fertilizers on Dielectric properties soils at Radio Frequency**” at *Knowledge Consortium of Gujarat (KCG-2019)*, Navarangpura, Ahmedabad. (Feb.-2019)

Poster Presentation on “**Microwave Frequency Measurement of Complex Permittivity of Soil Mixed with Fertilizer**” at *ICNHMSN 2022 (ICNHMSN-2022)*, Department of Physics, Yashwantrao Chavan College of Arts, Commers and Science, Sillod, Dist- Aurangabad, Maharashtra. (June-2022).

Poster Presentation on “**Laboratory Measurement of Complex Permittivity of Moist Soil at Microwave Frequency**” at *Condensed matter Physics and Materials Science (CMPMS-2023)*, Department of Physics, School of Sciences, Gujarat University, Ahmedabad. (March-2023)

Publications

Paper Published in *International Journal of Scientific Research and Reviews-2018* on “**Measurement of Dielectric Properties of Moist and Fertilized Soil at Radio Frequencies**”, IJSRR 7(1) Special Issue Jan-2018, pp, 358-373 Available Online www.ijsrr.org.

Paper Published in *Indian Journal Pure and Applied Physics* on Dielectric Spectroscopy “**Measurements on Soil Mixed with Synthetic Fertilizer at Low Frequency Range of 20Hz to 2MHz**”, Ref. IJPAP Vol. 58, June 2020, pp. 455-464. www.niscair.org.

Paper Published in *International Journal of Scientific Research and Reviews-2018* on “**Variation of Electrical Parameters of Soil with Moisture and Salinity over Frequency Range From 20 Hz to 2 MHz**”, IJSRR 7(1) Special Issue Jan-2018, pp, 457-471, Available Online www.ijsrr.org.

Training/Certificate

Workshop on Satellite based “**Hydrology and Modelling**” at *SAC-ISRO*, Ahmedabad-2018.

Workshop on “**Free and Open Source Geospatial (FOSS4G) Tools**” at *Saffrony Institute of Technology Campus*, Mehasana-2018.

Course of “**Remote Sensing Technology**”, Online webinar by *SERF* Ahmedabad, 2018.

One Day Workshop on “**Interactive Science programme**” at *Science City*, Ahmedabad-2017.

Seminar on “**Nuclear Magnetic Resonance (NMR) Spectroscopy: Concepts and Applications**” at *Gujarat University* -2018.

National Conference on “**Science Excellence 2018 at Department of Botany, Bioinformatics and Climate Change Impact Management**”, *Gujarat University*. (September-2018)

Conference on “**National Research Scholar Meet on Condensed Matter Physics and Materials Science (CMPMS-18)**” at *Department of Physics*, Gujarat University.

Student Conference on “**Optics and Photonics**” (SCOP-2018) at *Physical Research Laboratory*, Ahmedabad, Gujarat.

Workshop on “**QGIS Basic**” at Dept. of Earth Sciences, *Gujarat University*, From 24th -25th September 2019.

One Day Symposium on “**Nanostructured Materials for Energy Conversion, Storage and Sensor Applications**” at *PDP*, Gandhinagar, Gujarat on 14th October 2019.

31st One Week short term “**Research Methodology Workshop on Physics & Electronics**” at *Knowledge Consortium of Gujarat* on 18th – 24th November 2019.

National Workshop on “**Academic Integrity, Research Ethics and Prevention of Plagiarism**” at *Gujarat University*, Ahmedabad on 12th October 2019.

AWSAR (Augmenting Writing Skills for Articulating Research) webinar on “**Popular Science Writing**” organizing by *DST* Govt. of India and University of Jammu on 25th June 2020.

Online webinar on “**Popular Science Writing**” organizing by *DST* Govt. of India and Vigyan Prasar on 1st September 2020.

One day webinar on “**Visualizing Quantum Mechanics**” by *EDU-i-Academy* on 30th August 2020.

One day workshop on “**Structuring your article correctly**” (Research Article) by *Researcher Academy, Elsevier* on 3rd September 2020.

Student Conference on “**Optics and Photonics 2020**” (SCOP-2020) at *Physical Research Laboratory*, Ahmedabad on 23-25th September 2020.

Online Workshop on “**Geographical Information System**” by *IIRS-ISRO* on 28th Sept. to 15th October 2020.

One day International Conference on “**Resent Trends in Science and Technology**” at *Willington College*, Sangli, Maharashtra, on 29th June 2022.

Special Achievements

1. Qualified Gujarat State Eligibility Test (**GSET**) held on 27th August 2017.
2. Secured **1st Prize** in Poster Presentation at **Science Excellence 2018** (SCIEXL-2018), Department of Botany, Bioinformatics and Climate Change Impact Management, Gujarat University. (September-2018)
3. Won **3rd Prize** in Poster Presentation at **Knowledge Consortium of Gujarat** (KCG-2019), Navarangpura, Ahmedabad. (Feb.-2019).

Personal Details

Date of Birth: 1st June 1995.

Blood Group: B+

Marital Status: Unmarried

Languages known: English, Hindi, Gujarati.

References

- **Dr. D. H. Gadani** (Research Guide) Associate Professor, Department of Physics, School of Sciences, Gujarat University, Ahmedabad.

Declaration: I hereby declare that the details furnished above are true and correct to the best of my knowledge and brief.

-Mr. P. D. Chaudhary