



Curriculum Vitae

Dr. Chintankumar Mukundray Trivedi

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❖ SUMMARY

- Master of Science in **Physics** having Specialization in **Solid State Electronics** from Sardar Patel University, V.V. Nagar.
- **M.Phil** in Microwave Dielectrics(**Experimental Physics**) from Physics Department, School Of Sciences, Gujarat University, Ahmedabad, Gujarat, India.
- **Ph.D.** in Microwave Dielectrics (**Experimental Physics**) from Physics Department, School Of Sciences, Gujarat University, Ahmedabad, Gujarat.
- Passed **CCC+ Exam** with first class which is held by SPIPA, AHMEDABAD on 8th MARCH, 2013.
- Life time member of **IAPT (Indian Association of Physics Teachers)**.

Skills like:

- Ability to communicate effectively.
- Capacity to work in team or individually and take up responsibility.

❖ EDUCATIONAL QUALIFICATION:

Degree/ Class	Institute	University/ Board	Percentage Marks	Year
Ph.D. PHYSICS	Department Of Physics, School Of Sciences	Gujarat University, Ahmedabad	Notification No. PG- PhD/31684/2016	
M.Phil PHYSICS	Department Of Physics, School Of Sciences	Gujarat University, Ahmedabad	63.5%	2008
M.Sc. Physics	Department of Physics	Sardar Patel University, V.V. Nagar	59.69%	2006
B.Sc. Physics	C.U. Shah Science College	Gujarat University, Ahmedabad	56.81%	2003
H.S.C.	Muktjivan Higher Secondary School	Gujarat Board	59.54%	2000
S.S.C.	Shree V.V. Patel High School	Gujarat Board	85.29%	1998

❖ **PERSONAL PROFILE:**

Date of Birth: 13th April, 1983

Mobile No. : 9925260536

Marital Status: Married

Nationality: Indian

Languages: Gujarati, Hindi and English

Hobbies: Reading, playing Cricket

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❖ **Teaching Experience: 11 Years**

❖ **Currently Working as an Assistant Professor of Physics at IITE, Gandhinagar as well as I am also doing coaching for 11th and 12th Science Physics with NEET/JEE exam preparation since last 8 years.**

Organisation Name	From	To	Experience	Post
M.G. Science college	1/07/2007	29/02/2008	7 Month	Adhoc Lecturer
Universal college of Engineering	4/08/2008	30/10/2009	1 Year 3 Month	Lecturer
Government Science college, Gandhinagar	5/11/2009	17/04/2010	5 Month	Adhoc Lecturer
Government Science college, Gandhinagar	15/06/2010	13/04/2011	10 Month	Adhoc Lecturer
Hasmukh Goswami College of Engineering, Vahelal	7/7/2011	17/06/2016	4 Year 11 Month	Assistant Professor
Jeel Goswami College of Science and Research	1/06/2017	30/06/2019	2 Year 1 month	Principal Incharge and Assistant Professor
Kameshwar Science College, Gandhinagar	15/7/2019	30/9/2020	1 Year 2 month	Principal Incharge and Assistant Professor
Indian Institute of Teachers Education, Gandhinagar	5/10/2020	Cont.	-	Contractual Assistant Professor

❖ **List of papers published in National/International journals**

1. Microwave Dielectric relaxation of some pharmaceutical polar molecules.
C.M.Trivedi, V.A.Rana, A.D.Vyas and K.H. Chikhliya
Journal of SCI-TECH Research, Vol.2, Jan-June 2011, pp.41-47.(ISSN 0974–9780)
2. Microwave Dielectric relaxation in Binary mixtures of Pyridine and 1-Propanol at different temperatures
C.M.Trivedi, V.A.Rana, H.A. Chaube
International journal of Solid state phenomena (Switzerland), Vol. 209(2014)86-89. (doi: 10.4028/www.scientific.net/ssp.209) (ISSN:1662–9779)
3. Static permittivity, refractive index, density and related properties of binary mixtures of pyridine and 1-propanol at different temperatures.
C.M.Trivedi, V.A.Rana
Indian Journal of Pure and Applied Physics, Vol. 52(2014)183-191.(ISSN 0975 – 1041)
4. Ultrasonic studies of molecular interactions in the mixture of pyridine with 1-propanol at different temperatures.
C.M.Trivedi, V.A.Rana
International Journal of Science and Research (IJSR), ISU (2015)48-53. (ISSN: 2319-7064).
5. Dielectric relaxation studies of binary mixture of α -picoline and methanol using Time Domain Reflectometry at different temperatures.
C.M.Trivedi, V.A.Rana, P.Hudge, A.C.Kumbharkhane
Journal of Chinese Chemical Society, Vol. 62(12)(2015)1137-1144.
DOI: 10.1002/jccs.201500396
6. Dielectric relaxation studies of binary mixture of β -picoline and methanol using Time Domain Reflectometry at different temperatures.
C.M.Trivedi, V.A.Rana, P.Hudge, A.C.Kumbharkhane
Journal of Advanced Dielectrics, Vol.6 (3)(2016)1-8. DOI: 10.1142/S2010135X16500223
7. Microwave dielectric absorption of amino substituted pyridines in dilute solutions of some non-polar solvents at different temperatures.
C.M. Trivedi, V.A. Rana
Indian Journal of Pure and Applied Physics, Vol.55 (2017)655-663. (ISSN 0975 – 1041)
8. Dielectric spectroscopy of solutions of amino silicone emulsion in distilled water.
K.N. Shah, V.A. Rana, **C.M. Trivedi** and H.P. Vankar
AIP Conference Proceedings 1728, 020473 (2016), DOI: 10.1063/1.4946524
9. Dielectric properties of binary mixtures of methyl iso butyl ketone and amino silicone oil.
K.N. Shah, V.A. Rana, **C.M. Trivedi** and H.P. Vankar
AIP Conference Proceedings 1837, 040026 (2017), DOI: 10.1063/1.4982110
10. Dielectric properties of binary mixtures of ethylene glycol monophenyl ether and methanol.
K.C. Vaghela, H.P. Vankar, **C.M. Trivedi** and V.A. Rana
AIP Conference Proceedings 1837, 040011 (2017), DOI: 10.1063/1.4982095
11. Orientational and dielectric behaviour of N, N-dimethylformamide in different non-polar solvents.
D.P. Shah, V.A. Rana, **C.M. Trivedi**
Indian Journal of Pure and Applied Physics, Vol.56 (2018)677-683. (ISSN 0975 – 1041)

12. Dielectric spectroscopic study of the binary mixtures of amino silicone oil and methyl ethyl ketone in the frequency range of 100 Hz to 2 MHz at 298.15 K temperature.

K.N. Shah, V.A. Rana, H.P. Vankar, **C.M. Trivedi**

Journal of Molecular Liquids, 271(2018)686-695

<https://doi.org/10.1016/j.molliq.2018.09.041>

❖ **List of papers presented (Oral/Poster presentation) in National/International conference**

1. Dielectric properties of mixtures of pyridine and 1-propanol at different temperatures. **(Oral presentation)**
C.M.Trivedi, V.A.Rana
14th International Conference CONIAPS-XIV on Physical Interface with Humanity at SVNIT, Surat (India) on Dec.22-24, 2011.
2. Microwave dielectric relaxation in Binary mixtures of pyridine and 1-propanol at different temperatures. **(Poster presentation)**
C.M.Trivedi, V.A.Rana, H. Chaube
National symposium on Advances in Material science and Technology (AMST-2012), held at Gujarat University, Ahmedabad (India) during 03-04th February, 2012.
3. Dielectric relaxation study of β -picoline and methanol using Time Domain Reflectometry. **(Oral presentation)**
C. M. Trivedi, V.A. Rana, H. Chaube
National conference on "Recent Trends in Microwave Techniques and Applications" (MICROWAVE-2012) held at University of Rajasthan, Jaipur during 30th July to 1st August, 2012.
4. Dielectric studies of binary mixtures of 2-aminopyridine in non-polar solvent benzene at 30 degree temperature. **(Poster presentation)**
C.M.Trivedi, V.A.Rana, H.A. Chaube
XXVII Gujarat Science Congress held at Charotar University of Science and Technology (CHARUSAT), CHANGA (India) during 24th February, 2013.
5. Dielectric relaxation study of α -picoline and methanol using Time Domain Reflectometry. **(Oral presentation)**
C.M.Trivedi, V.A.Rana, P.Hudge, A.C.Kumbharkhane
National Conference on Microwave techniques and its applications, during 29-30, Nov.2013 at Maulana Azad College, Aurangabad (India).
6. Dielectric relaxation of 2-aminopyridine in benzene, carbon tetrachloride and 1,4-dioxane from microwave absorption studies at 30⁰C. **(Poster presentation)**
C.M.Trivedi, V.A.Rana
National Symposium on High Power RF and Microwave (HPRFM-2013) held at Institute of plasma research (IPR), Bhat, Gandhinagar (India).
7. Microwave Dielectric Relaxation studies of 2-Amino pyridine in non polar solvent benzene at different temperatures.
C.M.Trivedi, V.A.Rana
National level conference on Recent Advanced Material Science and Technology (RAMST-2014) held at Department of Physics, M.L.V. Government College, Bhilwara on 22-23, Dec.2014.
8. Ultrasonic Studies of Molecular interactions in the mixture of Pyridine with 1-Propanol at different temperatures.

C.M.Trivedi, V.A.Rana

International Symposium on Ultrasonic held at R.T.M. University, Nagpur
on 22-24, Jan.2015.

❖ **List of Conference/workshop attended**

1. Participated in one day seminar on **Microwave – 2007** Organized by Physics Department, Gujarat University, Ahmedabad on 21st January 2007.
2. Participated in State level Physics Teacher's Camp jointly organized by IAPT, RC-7, Gujarat and Gujarat Council of science city, Ahmedabad during 19-22 Nov.2007.
3. Participated in XXI Gujarat Science congress, jointly organized by GSA and Hemchandracharya North Gujarat University on Theme **"Science and the knowledge society"** on 11th March, 2007.
4. Participated in XXII Gujarat Science congress 2008 held at Bhavnagar university, Bhavnagar at 9th March, 2008.
5. Participated on **CAPACITY BUILDING PROGRAMME** for Principals and Faculties of Science colleges in Gujarat held at Gujarat Science city, Ahmedabad on 22nd October, 2010.
6. Participated in One day seminar on **"Current trends in Physics"**, Jointly Organized by Department of Physics, Gujarat University, Ahmedabad & Indian National Science Academy, Gujarat/Rajasthan Chapter & Physical Research Laboratory, Ahmedabad held on 14th March, 2010.
7. Technical Workshop on Semiconductor Measurement Challenges organized by Optimized solutions pvt. Limited in association with M/s. Tektronix & Dept. of Physics, Gujarat University, Ahmedabad on 1st March 2014.
8. Actively participated in Workshop on **"Innovative experiments in Physics"**, Organized by Indian Association of Physics Teachers (IAPT) at Department of Physics, St. Xavier's College, Ahmedabad on 9th March, 2014.
9. Attended National symposium on applied spectroscopy in science and technology, NSASST-2014, Organized by School of physical sciences, Swami Ramanand Tirth Marathawada University, Nanded, during March 21-22, 2014.
10. Participated in XXIX Gujarat Science congress 2015 Organized by Gujarat Science Academy held at Science City, Ahmedabad at Feb.28 and 1st March, 2015.
11. Attended One day seminar on **"Impact of effective teaching in higher education: A perspective"**, Organized by Shree Monark education trust, Vahelal, on 12th March, 2016.
12. Actively participated in workshop on **"Hands-on Training on Computational methods in Drug discovery"**, Organized by Department of chemistry, Gujarat University, Ahmedabad on 23-24, June 2016.
13. Participated in 31st Annual National Convention, Organized by IAPT, RC-7 at M.M. Patel Institute of Sciences and Research, Kadi Sarva Vishwavidyalaya, Sector-15, Gandhinagar on 20-22 Oct.2016.

14. Participated in staff development programme on “**Enhancing Core Teaching Skills**” organized by National Institute of Technical Teachers’ Training and Research, Bhopal at venue of Hasmukh Goswami College of Engineering, Vahelal, during 4-6 May, 2012.
15. Participated in Faculty Development Programme of new curriculum for degree engineering program organized by Gujarat Technological University, at GTU Campus, Chandkheda, Ahmedabad on 21st September, 2013.

❖ **REFERENCES:**

1. **Prof. V. A. Rana**, Professor, Department of Physics, School of Science, Gujarat University, Ahmedabad. Mobile no. 9825141144, Email : varana@gujaratuniversity.ac.in
2. **Dr. D.H. Gadani**, Associate Professor, Department of Physics, School of Science, Gujarat University, Ahmedabad. Mobile no. 9879005755, Email : dhgadani@yahoo.com
3. **Dr. N.J. Bhatt**, Associate Professor, Department of Physics, C.U. Shah Science College, Ahmedabad. Mobile no. 9427620923, Email : nijibhatt@hotmail.com



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