

Bio-Data

- 1) Name (in Block Letters) :- Dr. KUNAL B. MODI
- 2) Current Designation :- Professor, 37400-67000+10000 Since (2014)
- 3) Date of Birth :- 20/08/1968
- 4) Permanent Address :- Shreeji Apartment, 2nd Floor, 1- Kishan Para
(with Pin Code) Opp. Divya Bhaskar Rajkot-360001
- 5) Office Address :- Department of Physics, Saurashtra University, Rajkot 360 005,
India
- Tel. No. / Mobile No. +9198245 36994
- Email Address kunalbmodi2003@yahoo.com

5) Academic Qualifications

Examinations	Name of the Board / University	Year of Passing	Percentage of marks obtained	Division / Class / Grade	Subject
(B.Sc)	Bhavnagar University, Bhavnagar	1989	62.66	First	Physics
(M.Sc.)	Bhavnagar University, Bhavnagar	1991	69.33	First	Physics
Ph. D.	Saurashtra University, Rajkot	1996	“Study of bulk and microscopic properties of oxide materials prepared by ceramic technique”		Physics

6) Teaching experience :

20 Years

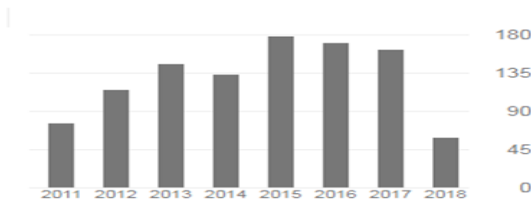
7) Research Experience :

27 Years

8) Citation indices

Cited by

	All	Since 2013
Citations	1341	849
h-index	21	17
i10-index	47	30



Few of best Published Papers in Journals

1. Study of substitution limit, structural, bulk magnetic and electrical properties of Ca^+ substituted magnesium ferrite, SD Chhaya, MP Pandya, MC Chhantbar, KB Modi, GJ Baldha, HH Joshi, Journal of Alloys and Compounds, 377 (1), 155-161(1997)
2. Study on the electrical and dielectric behaviour of Zn-substituted cobalt ferri aluminates, NH Vasoya, VK Lakhani, PU Sharma, KB Modi, R Kumar, HH Joshi, Journal of Physics: B Condensed Matter, 18 (34), 8063(2006)
3. Structural and elastic properties of Ca-substituted LaMnO_3 at 300K, JJU Buch, G Lalitha, TK Pathak, NH Vasoya, VK Lakhani, PV Reddy, R Kumar, KB Modi, Journal of Physics D: Applied Physics, 41 (2), 025406(2008)
4. High temperature thermoelectric power study on calcium substituted lanthanum manganites, JJU Buch, TK Pathak, VK Lakhani, NH Vasoya, KB Modi, Journal of Physics D: Applied Physics, 40 (17), 5306 (2007)
5. Negative magnetization, magnetic anisotropy and magnetic ordering studies on Al^{3+} -substituted copper ferrite, VK Lakhani, B Zhao, L Wang, UN Trivedi, KB Modi, Journal of Alloys and Compounds, 509 (14), 4861-4867(2011)
6. CCNR type high field instability in Ti^{4+} -substituted Mn–Zn ferrites, KG Saija, US Joshi, VK Lakhani, KB Modi, Journal of Physics D: Applied Physics, 42 (16), 165402(2009)
7. Localized canting of spins structure in the spinel oxide system: $\text{Zn}_z\text{Ti}_z\text{Fe}_{2-x-z}\text{Cr}_{x-z}\text{CoO}_4$, KH Jani, KB Modi, HH Joshi, PD Babu, SK Paranjpe, Journal of Magnetism and Magnetic Materials, 280 (2), 334-345(2004)
8. Cluster spin-glass-like ordering in $\text{Zn}_2\text{CoTi}_2\text{Fe}_{2-x-z}\text{Cr}_{x-z}\text{O}_4$, KB Modi, HH Joshi, P Kossacki, KV Rao, RG Kulkarni, Journal of Materials Science Letters, 14 (23), 1677-1680 (1995)
9. Effect of mechanical milling induced strain and particle size reduction on some physical properties of polycrystalline yttrium iron garnet, KB Modi, SN Dolia, PU Sharma, Indian Journal of Physics, 89 (5), 425-436 (2015)
10. Raman and mossbauer spectroscopy and x-ray diffractometry studies on quenched copper-ferri-aluminates, Kunal B Modi, Pooja Y Raval, Suraj J Shah, Chetan R Kathad, Sonal V Dulera, Mansi V Popat, Kiritsinh B Zankat, Kiran G Saija, Tushar K Pathak, Nimish H Vasoya, Vinay K Lakhani, Usha Chandra, Prafulla K Jha, Inorganic Chemistry, 54 (4), 1543-1555 (2015)
11. Lattice Energy Determination for Polycrystalline Oxide Ceramics and Single-Crystalline Counterparts, KB Modi, Journal of Superconductivity and Novel Magnetism 29 (9), 2287-2297 (2016)
12. Intriguing structural and magnetic properties correlation study on Fe^{3+} -substituted calcium-copper-titanate, P.R.Pansara, P.Y.Raval, N.H.Vasoya, S.N.Dolia and K.B.Modi, Physical Chemistry Chemical Physics, 20(3) 1914 (2018).
13. Effect of thermal history on structural, microstructural properties and $J - E$ characteristics of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ polycrystalline ceramic, P.Y. Raval, A.R. Makadiya, P.R. Pansara, P.U. Sharma, N.H. Vasoya, J.A. Bhalodia, Sudhish Kumar, S.N.Dolia and K.B. Modi, Materials Chemistry and Physics, 212, 343 (2018).

Book Published: **1 (Computational Physics) under UGC unassigned grant scheme (2007)**

Total Paper published National/International Journals : **90**

Total Research Projects Completed (Major + Minor) : **12**

Completed Research Projects: **01 (Spectroscopy studies on Fe³⁺ - substituted multiferroic spinel : CoCr₂O₄) sponsored by University Grants Commission, New Delhi, India under major research projects scheme (2015-2018)**

Research Guidance Ph.D. : Awarded → 08, working → 08

M.Phil. : Awarded → 25, Working → 01

Significant contributions, awards received

- 1 Shri N. M. Patel research award for best research paper in the subject of Materials Science and Nano Technology for the year 2006-2007.
- 2 Nominated for 'Young achiever Award' by Department of Atomic Energy – Solid State Physics Symposium Mumbai – 2005.
- 3 One of the figures from our article: Physica Scripta 88(2013) 025712, has been printed as the cover image of the journal
- 4 International Center for diffraction data, USA, has placed our x-ray powder diffraction data in library data file.
- 5 Hari-ohm ashram prerit Shri Bhaikaka Inter University Smark trust awarded a prize for best paper of the year 1995-1996, in the field of materials Science.
- 7 XIVth Gujarat Science Congress, Palitana, Gujarat, October 10-11, 1998 Awarded IIIrd Prize for best paper presentation.
- 8 IXth Gujarat Science Congress, Surat, Gujarat, April 9-10, 1994 Awarded IInd Prize for best paper presentation.
- 9 I have received felicitation Shield for the contribution in the field of Science and Technology from Shri O. V. Sheth, Regional Community Science Centre, Rajkot (January 1999)
- 10 Professor Dolarraji Mankad award for excellence in research (2009 – 2010) by IQAC, Saurashtra University, Rajkot.