

## ACADEMIC PROFILE: Dr. R. M. Bhavsar

Dr. RakeshKumar Mahendrakumar Bhavsar

Assistant Professor,

Physics Department,

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Idar.

Distt. Sabarkantha

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Date of Joining (Adhoc): 20/02/1997

Date of Joining (GES II): 06/01/2003

Qualifications: M.Sc., Ph.D.



### AcademicDetails

Degree	Passing Year	Board/University	Percentage
S.S.C.	1988	GSEB, Gandhinagar	72.00
H.S.C.	1990	GHSEB, Gandhinagar	52.12
B.Sc.	1993	Hemchandracharya North Gujarat University, Patan	67.42
M.Sc.	1995	Hemchandracharya North Gujarat University, Patan	59.11
Ph.D.	2023	Kadi Sarva Vishvavidyalaya, Gandhinagar	
CCC+	2009	Sardar Patel Institute of Public Administration (SPIPA), Ahmedabad	83.00

### History of Service

Sr. No.	College Name	From Date to Date	Order No.	Order Date
1.	Sir P.T.Science College, Godhara	16/11/1995 to 12/04/1996	Nimnuk/999/95-96 Dt.16/10/1995	Part-time
2.	The H.N.S.Bank Ltd. Sanchalit Science college, Himmatnagar	01/03/1996 to 19/02/1997	266/95-96 Dt.20/02/1996	Part-time
3.	M. N. College, Visnagar	20/02/1997 to 08/09/2010	MNV/MKM/K-1/97/1558-70, Dt. 15/02/1997	Full time
4.	Shri R R Lalan College, Bhuj	09/09/2010 to 07/08/2014	MKM/KH.2/2010-11/4716-21, 03/09/2010	Dt. Full time

5	M.N.College, Visnagar	08/08/2014 to 26/06/2025	MKM/ESC 2/04/FE.BADLI/158/2014/5455-5568, Dt. 06/08/2014	Full time
6	Government Science College, Idar.	27/06/2025 to continue	CHE/PUR/e-file/103/2025/0153/Est./5158-5663, Dt. 17/06/2025	Full time

### **University Recognition**

<b>Degree</b>	<b>University</b>	<b>Recognition Letter No.</b>	<b>Recognition Date</b>
U.G.	Hemchandracharya North Gujarat University, Patan	AK/287/2585/1997	01/04/1997
U.G.	KSKV Kachchh University, Bhuj	KU/UG Teacher Manyata/2010-11/9857-58	22/11/2010
P.G.	Hemchandracharya North Gujarat University, Patan	PG/47/869/2004	21/01/2004

### **Member in Various Position**

<b>Sr. No.</b>	<b>University/Society</b>	<b>Position</b>	<b>Date</b>
1	Hemchandracharya North Gujarat University, Patan	Member in Board of Studies (BOS)	23/12/2008 to 22/12/2011
2	Hemchandracharya North Gujarat University, Patan	Member in Board of Studies (BOS)	23/12/2017 to 22/12/2020
3	Indian Association of Physics Teachers	Life Member	From 17/09/2010
4	Indian Society of Atomic and Molecular Physics	Life Member	From 05/01/2017

### **Orientation/Refresher/Training Programmes**

#### **Orientation Programmes**

<b>Sr. No.</b>	<b>Title of the Course</b>	<b>Name of Academic Staff College/Organization</b>	<b>Duration</b>
1	Orientation Programme	Academic Staff College, Saurashtra University, Rajkot-360005, Gujarat, India	28/02/2005 to 27/03/2005
2	One day Orientation Programme	Knowledge Consortium of Gujarat(KCG), Ahmedabad, Gujarat, India	12/02/2013

#### **Refresher Programmes**

1	Refresher Course "Environmental Science"	Academic Staff College, Gujarat University, Ahmedabad-380009 Gujarat, India	26/09/2006 to 16/10/2006
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2	Refresher Course “Environmental Studies”	Academic Staff College, Gujarat University, Ahmedabad-380009 Gujarat, India	04/02/2008 to 24/02/2008
3	Refresher Course “Environmental Science”	Academic Staff College, Gujarat University, Ahmedabad-380009 Gujarat, India	09/02/2009 to 01/03/2009

### **Training Programmes**

1	“Training for quality Improvement in Higher Education	Sardar Patel Institute of Public Administration, SPIPA Campus, Ahmedabad & Commissioner of Higher Education, Gandhinagar, Gujarat, India	28/05/2009 to 30/05/2009
2	“Knowledge Management Programme”	SRK Institute of Management & Computer Education , Sapeda, Kachchh, Gujarat, India	01/03/2011 to 02/03/2011
3	“Training and Capacity Building Programme in Physics”	Knowledge Consortium of Gujarat(KCG) at Ahmedabad Management Association(AMA) Ahmedabad, Gujarat, India	31/10/2011 to 05/11/2011
4	“Short Term Training Programme(STTP) on Engineering Physics	Indian Institute of Technology, Bombay under the National Mission on Education through ICT(MHRD) at Sankalchand Patel College of Engineering, Visnagar (RCID-1276), Gujarat, India	08/12/2015 to 18/12/20215

### **Participation in Seminars/Workshops/ Conferences**

#### **Seminars**

<b>Sr. No.</b>	<b>Title/Subject</b>	<b>Organizer/Sponsor</b>	<b>Status (State/National / International)</b>	<b>Date</b>
1	“Upgrading Physics Education & Research”	R.R.Mehta College of Science and C.L.Parikh college of Commerce , Palanpur, Gujarat, GUJCOST, Gandhinagr, Gujarat and Indian Association of Physics Teachers (RC-4B), India	State	November19, 2006
2	“User Awareness Programme on E- resources (UGC-Infonet)	Shivabhai Umedbhai Library, HNGU, Patan	State	November 26, 2009
3	“State of Environment and Climate Change in Gujarat	Krantiguru Shyamji Krishna Verma(KSKV) Kachchh University, Bhuj-370001, Kachchh, Gujarat, India	State	September 24, 2010

4	“Physics Education & Research”	Pramukh Swami Science & H.D. Patel Arts College, Kadi, Gujarat, India	State	October 9, 2010
5	“Cryptography @ Computer & Safety”	C.U.Shah Science College, Ahmedabad-14, Gujarat, India	State	January 25, 2011
6	“Nanotechnology: Today and Tomorrow”	Department of Chemistry, Krantiguru Shyamji Krishna Verma(KSKV) Kachchh University, Bhuj-37001, Kachchh, Gujarat, India	State	February 26, 2011
7	“Electron Scattering Processes with Atoms and Molecules”	V.P & R.P.T.P Science College, Vallabh Vidyanagar, Gujarat, India	State	February 12, 2017

### Workshops

1	National Workshop on “Light Scattering: Its Applications in Astrophysics and Other Fields”	Inter University Centre for Astronomy and Astrophysics, Pune & Gujarat Council on Science & Technology (GUJCOST), Gandhinagar at Gujarat Arts and Science College, Ahmedabad-380006	National	November 7-8, 2008
2	“Prof. Babulal Saraf Memorial All India Laboratory Workshop For P.G.Teachers	Sponsored by MPCOST, IAPT & UGC-DAE-CSR at IPS Academy, Indore	National	December 14-18, 2010
3	“Capacity Building Programme for the Science Teachers of Higher Education, Gujarat	Knowledge Consortium of Gujarat and Gujarat Council of Science City, Gujarat, India	State	March 8-10, 2011
4	“State level Executive Training Workshop”	Shri U.P.Arts, Smt.M.G. Panchal Science and Shri V.L.Shah Commerce College, Pilvai, & Gujarat State College Principal Association (GSCPA), Gujarat, India	State	March 30, 2019
5	“Work-shop on B.Sc.(Physics) syllabus design”	HNGU, Patan and M. N. College, Visnagar, Gujarat, India	State	February 26, 2022

### Conferences

1	“Condensed Matter and Materials Physics” (CMMP-2012)	Department of Physics, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India	National	March 3-5, 2012
2	International Topical Conference on Charged Particle Collisions and Electronic processes in Atoms, Molecules and Materials	Department of Applied Physics, India School of Mines. Dhanbad, Jharkand, India	International	January 9-11, 2016
3	21 <sup>st</sup> National Conference on Atomic and Molecular Physics (NCAMP- 2017)	Physical Research Laboratory, Ahmedabad, Gujarat, India	National	January 3-6, 2017
4	National Conference on “Novel Trends in Bioactive Heterocyclic Compounds...Recent Perspective”	Chemistry Department, M.N.College,Visnagar-384315, Gujarat, India	National	February 28, 2017
5	International Conference on “Recent Innovation in Science and Workshop on Spectroscopy and its Perspectives”	Physics Department, Municipal Arts and Urban Science College, Mehsana, Gujarat, India	International	September 15-16,2017
6.	7th Topical Conference of the Indian Society of Atomic and Molecular Physics (ISAMP-TC7)	Indian Institute of Science Education and Research(IISER)/India Institute of Technology (IIT) Tirupati, India	International	January 6-8, 2018
7	International Conferences on Atomic, Molecular, Optical & Nano Physics with Applications (CAMNP-2019)	Department of Applied Physics, Delhi Technological University, Delhi-110042, India	International	December 17-20,2019
8	8 <sup>th</sup> Topical Conference (TC-2020) on Atomic and Molecular Collisions for Plasma Applications	Department of Physcis, Indian Institute of Technology, Roorkee (IITR),India	International	March 3-5, 2020
9	International Conference on “Recent Progresses in Chemical Sciences”(RPCS-2022)	Chemistry Department, M.N.College,Visnagar-384315, Gujarat, India	International	November 22-23,2022
10	International Conference on Atomic, Molecular, Material, Nano and Optical Physics with Applications(ICAMNOP-2023)	Department of Applied Physics, Delhi Technological University, Delhi-110042 India	International	December 20-22,2023

### Faculty Development Programmes/Course

Sr. No.	Title of the Programme	Sponser/Organization	Duration
1	Faculty Develop Programme(FDP)	Knowledge Consortium of Gujarat(KCG), Ahmedabad, Education Department, Government of Gujarat	03/04/2017 to 08/04/2017

2	Advanced Course on Special theory of Relativity	Indian Institute of Technology, Kanpur	26/01/2020 to 19/05/2020
3	Online Course “Comprehensive Online Intellectual Property Rights (IPR) “	Gujarat Student Startup and Innovation Hub(i-Hub)	06/07/2020 to 14/09/2020
4	UDAYAM(Unlimited Digital Advance Yearlong Academic Method of Learning) E-Content Development Course	Knowledge Consortium of Gujarat(KCG) Ahmedabad, Education Department, Government of Gujarat	28/07/2020 to 18/08/2020
5	Online Faculty Development Programme	Knowledge Consortium of Gujarat(KCG) Ahmedabad, Education Department, Government of Gujarat	30/03/2021 to 09/04/2021

## Publications

### Books

Sr. No.	Title of the Book	Publisher	Month and Year of Publication	ISBN Number
1	Worked as co-author in Science and Technology Book Standard10 (Chapter 2 and 3)	<b>Publisher :</b> Gujarat State Board of School Text Books, (Government Publication) Department of Education, State Government of Gujarat, Gandhinagar, Gujarat		

### Research Articles/Papers

Sr. No.	Research Articles/Papers	Name of Journal	Month and Year of Publication	ISSN Number
1	Electron-driven processes for furan, tetrahydrofuran and 2, 5-dimethylfuran	Molecular Physics	May 2017	0026-8976
2	Electron interactions with astrochemical compounds	Planetary and Space Science	February 2019	0346-251X

3	Electron impact ionization and other molecular processes for organoplatinum compounds	Molecular Physics	April 2022	0026-8976
4	Electron interaction with NF <sub>x</sub> (x=1-3)	Molecular Physics	July 2024	0026-8976

### Research Projects

Sr. No.	Research Projects
1	Nil

### Academic Experience

Programme	Duration	Total Years
U.G.	20/02/1997 to Continue	27
P.G.	21/01/2004 to continue	20

### Key Resource Person

Sr. No.	Programme	Place	Date
1	Conducted the Science and Technology Training Programme	Secondary Teachers' Training Institute, Gandhinagar, Gujarat, India	July 3, 2012

### As an Subject Expert

Sr. No.	Programme	Place	Date
1	<b>Interview</b> Subject Expert on Selection Committee for the Teaching Staff in Physics	Sankalchand Patel College of Engineering, Visnagar, Gujarat	August 9, 2009
2	<b>Interview</b> Member of selection committee for Interview of the post of Professor, Associate Professor and Assistant Professor)	(1) Sardar Patel Institute of Technology, Piludara (2) Merchant Engineering College, Basna Gujarat.	August 21, 2010
3	<b>Interview</b> Member of selection committee for Interview of the post of HODs and Lecturers	(1) Merchant Polytechnic, Basna, Gujarat. (2) Narayanbhai Bhikhabhai Patel Polytechnic, Piludara. Gujarat (3) Savitaben Dahyabhai Patel, Gadha Gujarat.	August 28, 2010