



Name Dr.Hemant Khanolkar

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Contact Details

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## Academics

	Degree	College/ University with other details
1.	B.Sc.	<i>Chemistry from Bombay University AY 1990-91 with First Class.</i>
2.	M. Sc.	<i>Physical chemistry from University Department of Chemistry, University of Mumbai, 1991-93 with First Class.</i>
3.	Ph.D.	<i>Physical chemistry, with thesis entitled - 'Studies of some metal-N- benzoylaminobenzoates' 1995 to 2001 from University Department of Chemistry' University of Mumbai.</i>
4.	Diploma	<i>German, University Department of German, University of Mumbai in 1997-99 with First Class.</i>

## Professional Experience

	Duration	Designation	College with details
1.	2000- till date	Assistant Professor in Chemistry	Engineering Chemistry- course for Semester-I and II to Engineering students <i>Fr. Conceicao Rodrigues College of Engineering, Bandra (W), Mumbai-4000 050</i>
2.	1995- 1996	Lecturer in Chemistry	Physical Chemistry- for B. Sc. Students at <i>St. Xavier's college of Arts and Science, CST</i>
3.	1993- 1995	Lecturer in Chemistry	Physical Chemistry to B. Sc. Students at <i>Vartak College of arts, science and commerce.</i>

## Institutional Responsibilities

	Duration	Post/Details
1.	2023	Member, CDC-CRCE
2.	2019 -2022	HOD, Department of Science and Humanities
3.	2018	Sports In charge Fr CRCE
4.	2017-2019	I/C HOD, Department of Science and Humanities
5.	2017-2018	Member of Governing Council, FrCRCE.
6.	2012-2019	Member of Woman Development Cell.
7.	2016-2019	Member of Staff grievance Cell
8.	2010-2014	Member ISTE-CRCE chapter
9.	2009- 2012	Exam In Charge and CAP coordinator
10.	2006-2010	College Magazine, Introduced – Frmag -Marathi Section (2006)
11.	2004-2014	Founder Coordinator & Program Officer NSS-CRCE Chapter (2004)

## Academic Interactions

	Duration	Details
		<i>Academics</i>
1.	2018- 19	Mentor for Indian Junior Science Olympiad (JSO) camp, TIFR
2.	2014-17	Mentor for Indian National Chemistry Olympiad (INChO) camp, TIFR
3.	2016	Member, Syllabus Framing Committee for the subject of 'Applied Chemistry, University of Mumbai.
4.	2012	Member, Syllabus Framing Committee for the subject of 'Applied Chemistry, University of Mumbai.
5.	2012	Member, Syllabus Framing Committee for the subject of 'Environmental Studies, University of Mumbai.

		Guest Lectures/ Talks
	Year	Details
1.	2022	Lecture on 'Kinetics of Chemical reactions' for PDC-JSO, TIFR
2.	2022	Guest Lecture on 'Galvanic cells to Fuel Cells – An Electrochemical approach' to FE students at Xavier Institute of Technology, Mahim
3.	2020	Lecture on 'Applications of Nanoscience in technology' 'Advanced Technologies for employability in mechanical and manufacturing engineering' organized by Christiani Sharpline Technical Training and Mechanical Engg. Department -CRCE
4.	2019	Invited talk on 'Applications of Lasers in Chemistry' at Ruia college, Mumbai for M.Sc. students
5.	2018	Guest Lecture on 'Applied Electrochemistry' at Ruia college, Mumbai for M. Sc students.
6.	2018	Guest Lecture on 'Physical Chemistry for Pharmacy' at ICT, Mumbai for B. Pharm. students.
7.	2014	Guest Lecture on 'Green Chemistry' for M.Sc. students, University Department of Chemistry, University of Mumbai.
8.	2012	Guest Lecture on 'Phases in Equilibria – a thermodynamic perspective' UDCT, Mumbai for M.Sc. students.
9.	2011	Guest Lecture on 'Applied Electrochemistry' at ICT, Mumbai for M.Sc. students.

		Appreciation
	Duration	Details
1.	2022	Infosys -TIFR endowment award Certificate of appreciation presented in January 2022 at TIFR, Mumbai
2.	2010	Letter of appreciation for continued support for organizing blood donation drives with Tata Memorial Hospital and Cancer Research Centre, Mumbai By Dr. (Mrs.) P. A. Mangaonkar, Blood transfusion division, Tata Memorial Hospital dated 13/03/10
3.	2011	Letter of appreciation for organizing blood donation drives with Holy Family Hospital, Bandra, Mumbai By Dr. (Ms.) Joyce Regi, Blood transfusion division, Holy Family Hospital, Mumbai
4.	2011	Certificate of Appreciation by HiTECH Family, Mumbai Enrichment Program for differently abled people.

Courses, Conferences and Workshops

Year	Institution	Details of the Course
2022	IISER-Pune	One-week online FDP, MS-DEED-1
2022	MoE, Government of India	IA -IIC training
2020	IIT (Roorkee) as AICTE-ATAL programme	One-week online FDP on 'Energy Engineering'
2019	AICTE –APSIT	Seven Days AICTE-FDP-on Student Induction Program. <i>F.N AICTE/FDP-SI/WRO/58/3359</i>
2019	AICTE –APSIT	Three Days AICTE- FDP-on Student Induction Program. <i>F.N AICTE/FDP-SI/WRO/58/4158</i>
2019	IIT (B)	Two days' 'workshop on Applications of FTIR & Raman Imaging in Chemistry' at SAF,IIT(B).
2018	ICT -Dyestuff Division.	Two days' workshop on Statistical Design of Experiment, sponsored by ICT-TEQUIP-III.
2018	IIT(B)	Three weeks, AICTE Approved FDP-101x on 'Foundation Program in ICT for Education' organized by IIT(B).
2018	Online	NPTEL online Certification in the subject of
2018	UGC-HRD with UDC.	Three weeks UGC-HRDC sponsored' Refresher Course in Chemistry'
2017	ACT-TIFR	Three days 'Resource Generation Camp in Chemistry'', organized by HBCSE-TIFR, Government of India.
2017	DGT-ATI	One week training program on 'Analysis by HPLC' DGT-ATI, Government of India.
2017	FRCRCE and Thappar University	Two days' workshop 'Innovative Research in Pedagogy with mini –MOOC blended with instruction strategies to enhanced quality in higher education'.
2016	IIT(B)	INUP workshop under MeitY, Government of India, EE, IIT (B).
2015	Thakur College of Engg. RD-1068	Two weeks ISTE workshop on 'Engineering Physics' by IIT(B) Under National Mission on Education, ICT, MHRD, Government of India.
2015	Thakur College of Engg. RD-1068	Two weeks ISTE workshop on 'Environmental Studies' by IIT(B) Under National Mission on Education, ICT, MHRD, Government of India.
2014	ACT-HBSCE(TIFR)	Two days International Conference in Chemistry Education (ICEC-2014)
2012	Department of Civil Engineering, Agnel Polytechnic College, Vashi	One week ISTE approved STTP, Global Warming and Carbon Credits. <i>ISTE/Proceedings/STTP-SF/2009-10 dated 16/03/2010</i>
2012	ISTE-FRCRCE	Resource Person for ISTE approved STTP on 'Four Pillars of Engineering' at FRCRCE, Bandra, Mumbai.
2005	D. J. Sanghavi College Of	ISTE Approved Summer School on 'Advanced Separation Processes'

		Engineering, Vile-Parle (W)	
	2007	Maharashtra Academy Of Engineering, Pune	ISTE approved course on 'Current Advances and Trends in Physics and Chemistry'
	2005	Tata Institute of Social Science	Three weeks Orientation Course for PO –NSS, National Centre TISS.

### Courses organized

	Year	Institute	Title of the course
1.	2008	CRCE-ISTE Chapter	<i>Coordinator</i> , ISTE approved two weeks course on 'Instrumental Methods of Chemical Analysis'
2.	2014	Fr. CRCE-ISTE Chapter	<i>Coordinator</i> , ISTE-STTP approved two weeks course on 'Environmental Studies— A Multidisciplinary Approach' <i>ISTE/Proceedings/STTP-SF/2014-15</i> ISTE, February 27, 2014

### NPTEL

	Year	Organizing Institute	Title of the course
1.	2023	IISER, Mohali	Electrochemistry
2.	2022	IIT (KGP)	Polymer Science
3.	2018	IIT (K)	Analytical Chemistry

### Membership of Professional Bodies

	From (Year)	Institute	Name of Professional Institute and nature of membership
1.	2018	VIBHA	Vidnyan Bharati –Life Member
2.	2005	ISTE	Indian Society for Technical Education—Life Member(LM-44584)
3.	2003	ITAS	Indian Thermal Analysis Society—Life Member (LM-334)
4.	2001	IACT	Indian Association of Chemistry Teachers—Life Member (LM-102)
5.	1998	ISCAS	Indian Association of Solid state Chemist and Allied Scientists—LifeMember

## Minor Research Proposals

	Duration	Amount Received	Title and Details of grant
1.	2014	15,000/-	‘Synthesis and Characterization of some transition metal compounds of (N-substituted) L-Aspartic acid as a precursor to prepare mixed metal oxides’. Submitted to University of Mumbai <i>Letter APD/ 237/791 of 2014 dated 17<sup>th</sup> October 2014.</i>
2.	2018	50,000/-	‘Synthesis and Characterization of transition metal compounds of N-benzoyl anthranilic acid’ Submitted to University of Mumbai <i>Letter APD/ 237/601 of 2019, dated 27<sup>th</sup> March 2019.</i>
3.	2019	15,000/-	‘Application of Game Theory to find Equilibrium Distribution of Carbon Credits to solve the problem of Carbon Dioxide Emission’ <i>co-investigaor with Prof. P. N. Lalit</i> , Submitted to University of Mumbai <i>Letter APD/ICD/2020-21/80, APD/ICD/2019-20/762</i>

## Research Papers in Conferences

	Year	Papers in the conferences
1.	2001	‘Synthesis, characterization and thermal decomposition of rare earth N-benzoyl-2aminobenzoates’  <i>V. R. Ajgaonkar &amp;H. M. Khanolkar presented at ‘National conference and symposium on Solid State Chemistry’ organized by Indian Association of Solid State Chemist and Allied Scientists and Department of chemistry, IIT(Kanpur) on 6<sup>th</sup> to 8<sup>th</sup> December 2001.</i>
2.	2001	‘Studies on rare earth-N-benzoyl-4-aminobenzoates’  <i>V. R. Ajgaonkar &amp;H. M. Khanolkar presented at ‘National conference organized by Indian Chemical Society (BARC) and ICT (formerly UDCT) on 2<sup>nd</sup> and 3<sup>rd</sup> February 2001.</i>