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## **Personal profile**

**Name:** Dr. Veena L. Khilnani

**Address:** Flat no.10, Seven Stars, Plot No  
495, Khar, Mumbai-400052, India.

**E-mail:** veenakhilnani@rediffmail.com

**Tel:** 9821249492

**Birth date:** 14<sup>th</sup> July 1966.

### **Educational Qualifications:**

Degree	Year	University	Subjects	Class obtained
B.Sc.	1986	Poona	Chemistry	First
M.Sc.	1988	Poona	Chemistry	First
M.Sc.	2015	YCMOU	Chemistry Communication	First
Ph.D.	1995	Mumbai	Chemistry	
NET	1988		Chemistry	

### **Professional experience**

1.	Technical Officer	Somaiya Organo Chemicals, Mumbai	Oct'94-Sept'95
2.	Lecturer	K.C. College, Churchgate, Mumbai	Feb'96-April'96 June'96-Sept'96
3.	Lecturer	R.D. National College, Bandra, Mumbai	Nov'99 to Feb'2000
4.	Lecturer under Faculty Improvement Programme	K.J. Somaiya Science and Commerce College, Vidyavihar, Mumbai.	August 2000 to March 2002
5.	Lecturer	K.C. College, Churchgate, Mumbai	July 2002 to September 2002.
6.	Lecturer.	K. J. Somaiya Information Technology and Engineering College, Sion, Mumbai	from September 2002 to November 2002

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### Teaching experience

Date of joining the college: 11<sup>th</sup> November 2002

Total Teaching Experience – UG 18 years PG 15 years

Classes Taught

Classes taught	Subjects
FY,SY, TY MSc	Organic Chemistry, Drugs and Dyes Industrial Chemistry

### M.Sc./ Ph.D, Recognition:

Recognised teacher for M.Sc. by papers since 06 November 2003

Recognised teacher for M.Sc. by research since 06 November 2003

Recognised teacher for Ph.D., since November 2011

### Orientation courses attended

Theme of the course	Dates	Venue
Orientation Programme	1 <sup>st</sup> Sept'03 to 30 <sup>th</sup> Sept'03	University of Mumbai, Kalina

### Refreshes courses attended

No	Theme of the course	Dates	Venue
1	Recent trends in Chemistry	6 <sup>th</sup> – 25 <sup>th</sup> Oct'08	Mithibai College
2	Recent trends in Chemistry	4 <sup>th</sup> -23 <sup>rd</sup> Oct' 10.	University of Mumbai, Kalina

### Short term course attended

1	Research Methodology	16 <sup>th</sup> - 21 <sup>st</sup> Oct' 14.	R.J. Jhunjhunwala college, Ghatkopar
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**Work done as University examiner/paper setter/moderator**

Sr no	Exam (theory & practicals)	Year
1.	TYBSc (theory and practicals)	Since 2008
2.	MSc (theory and practicals)	Since 2012-13

**Workshops attended:**

No	Title	Date	Venue	L/S/N/IN
1	Spectroscopy	26 <sup>th</sup> - 31 <sup>st</sup> Dec' 2002	K. J. Somaiya College of Science & Commerce, Vidyavihar.	L
2	Hazardous Waste Management	21 <sup>st</sup> Feb' 2003	Garware Institute of Career Education & Development	N
3	S.Y.B.Sc. Revised Syllabus in Chemistry	6 <sup>th</sup> July 2003.	V.G. Vaze College, Mumbai	L
4	Vedic Mathematics	09 <sup>th</sup> - 20 <sup>th</sup> April'04	K.J.Somaiya College of Arts & Comm.	L
5	Spectroscopy	5 <sup>th</sup> - 8 <sup>th</sup> Jan'05	K.J. Somaiya College of Science & Commerce, Vidyavihar	L
6	Challenges of Modern Synthetic Chemistry and Reactivity	29 <sup>th</sup> - 30 <sup>th</sup> Sept'08	Wilson College	N
7	Jeevan Vidya (Madhyasth Darshan ) conducted by Jeevan Vidya Study Centre	7 <sup>th</sup> June to 12 <sup>th</sup> June'2010	K. J. Somaiya College of Science & Commerce.	L
8	Workshop on Revised Syllabus in Applied Chemistry- Drugs &	28 <sup>th</sup> June 2010.	R.K.Talreja College of Arts, Science & Commerce, Mumbai	L

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	Dyes For Third Year B. Sc. (Chemistry) Course			
9	Pre conference workshop on Chemistry Education of the International Conference on Education in Chemistry (ICEC-2010)	11 <sup>th</sup> Nov'2010	Homi Bhabha Centre for Science Education (TIFR).	IN
10	Workshop on "Stereochemistry and Organic Reaction Mechanism"	15 <sup>th</sup> to 18 <sup>th</sup> Nov' 2010.	Guru Nanak Khalsa College of Arts, Science and Commerce f	L
11	Chemistry in 21 <sup>st</sup> Century Workshop	12 <sup>th</sup> Feb'2011	TIFR.	L
12	Green Chemistry- Training, Education and Networks	8 <sup>th</sup> Dec 2011	RD National College	N
13	Revised Syllabus in Organic Chemistry- MSc II.	April 2013	Vaze College	L
14	Workshop on POGIL( Process oriented guided inquiry learning) or	20 <sup>th</sup> August 2013	Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research (T.I.F.R.)	N
15	'Research Writing Skills-Publish or Perish	12 <sup>th</sup> and 13 <sup>th</sup> Nov'2013	ICT, Matunga	IN
16	An introduction to Chemical Education Research	5 <sup>th</sup> and 6 <sup>th</sup> April 2014.	Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research (T.I.F.R.)	L
17	Open Source Chemistry Software (GChemPaint, Jmol	29 <sup>th</sup> November 2014.	IIT Bombay	L

### Seminars attended:

No	Title	Date	Venue	L/S/N/IN
1	Computer Communications	19 <sup>th</sup> Oct' 2002.	K.J.Somaiya Institute of Engineering & Information Technology, Sion, Mumbai	L
2	Importance of Research at College Level	7 <sup>th</sup> Sept' 2002.	R.D.National College & W.A. Science College, Bandra on	L
3	Orientation to	22 <sup>nd</sup> Nov' 04.	K.J.Somaiya Comprehensive College of	L

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	Models of Teaching and Pedagogical Analysis		Education, Training & Research	
4	Green Chemistry – A Gateway to Sustainable Chemistry	25 <sup>th</sup> and 26 <sup>th</sup> Feb'09.	R. D. National College	L
5	Chemistry of Nanomaterials and their Applications	13 <sup>th</sup> and 14 <sup>th</sup> Nov'09,	Mithibai College.	L
6	Recent Trends in Catalysis	22 <sup>nd</sup> and 23 <sup>rd</sup> Feb' 2010	ICT, Matunga	N
7	Room Temperature Ionic Liquids	8 <sup>th</sup> Dec 2011	ICT, Matunga	N
8	Green Chemistry and Catalysis	3 <sup>rd</sup> & 4 <sup>th</sup> March 2011	ICT, Matunga	N
9	“New Methodologies in Chemistry Education	December 20 <sup>th</sup> , 2011	Royal College	N

#### Conferences attended:

No	Title	Date	Venue	L/S/N/IN
1.	Third International Symposium on Materials Chemistry	07 <sup>th</sup> Dec'to 11 <sup>th</sup> Dec'2010	Bhabha Atomic Research Centre, Trombay	IN
2.	Education in Chemistry (ICEC-2014)	December 12 to 14, 2014.	HSCSE (TIFR)	IN

#### Paper publications:

No	Authors	Title of the paper	Details of the journal	N/IN	Impact Factor
1	VLKhilnani & SBChandalia	“Selective hydrogenation of p-chloronitrobenzene to p-chloroaniline using Pt/C as catalyst”	Organic Process Research and Development (an international Journal by American Chemical Society and Royal Society	IN	

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			of Chemistry) in 2001, 5 <sup>th</sup> Vol. 257-262.		
2	VLKhilnani & SBChandalia	“Selective hydrogenation of m-dinitrobenzene to m-nitroaniline using Pd/C as catalyst	Organic Process Research and Development in 2001, 5 <sup>th</sup> Vol. 263-266	IN	
3	VLKhilnani & JPPendharkar	“Acoustic parameters of Green Chemicals”	Indian Streams Research Journal, Oct.2012, Vol.2, Issue IX,60-62.	IN	0-1
4	VLKhilnani & JPPendharkar	“Development of Concept and Brain Hemisphericity amongst Undergraduate students of Chemistry	Indian Streams Research Journal, December 2012, Vol. 2, No. 11, 1-3.	IN	0-1
5	VLKhilnani & JPPendharkar	Acoustic Parameters of Green and Non Green Chemicals at variable Frequencies	Global research Analysis Vol.2, Issue 6, June 2013,	IN	0.2714
6	VLKhilnani & JPPendharkar	Acoustic Parameters of Polar and Non Polar Chemicals at variable Frequencies	Indian Journal of Applied Research Vol.3, Issue 7, July 2013	IN	0.8215
7	Yash Punjabi & VLKhilnani, P.N.Damle	Anti bacterial activities of the flower extracts of Nymphae Nouchali	Pharmacophore 2014, Vol.5(2), 352-357	IN	0-1
8	Yash Punjabi & VLKhilnani, P.N.Damle	Investigation of Antibacterial activity of Cestrum Nocturnum	Pharmacophore 2015, Vol.6(2), 81-87	IN	0-1
9	Preeti R. Dwivedi, J.K. Verma, and Veena Khilnani	Immobilization of a few enzymes on different chelating resins containing sulphur as donor atom(s)	Chem Sci. Rev. Lett 2015, 4(13), 320-326	IN	

### Papers presented:

No	Title of the paper	Theme of the conference	L/S/N/IN	Date	Venue
1	“Synthesis of Pentoxiphylline	Mumbai University Research Scholars Meet	L	Feb - 1993	Mithibai College, Mumbai
2	Undergraduate Chemistry Education- A renewed approach	World Education Conference	IN	10 <sup>th</sup> Dec 2011	Dayanand Institute of Education Management and Research Panvel, Mumbai
3	” Declining Enrollment In Chemistry – An Alarm Not To Be Missed”	International Conference on Redefining Education: Expanding	IN	12 <sup>th</sup> Jan, 2013.	Bombay Teachers’ Training College, Colaba

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		Horizons			
4	Thermo acoustic parameters of polar & non-polar chemical using phenomenon of Ultrasonic Interference”	Emerging Trends in Technology and its application	IN	6 <sup>th</sup> & 7 <sup>th</sup> March 2013.	Yadavrao Tasgaonkar Institute of Engg. & Technology, Panvel.
5	“Urease inhibiting activity of the flower extracts of Nymphae Nouchali ”	Innovations in Chemical Research and Applied Chemical Sciences”	IN	12 <sup>th</sup> -13 <sup>th</sup> January 2015	Smt. Chandibai Himathmal Mansukhani College, Ulhasnagar.
6	Acetylcholinesterase inhibiting activity of flowers of Nymphaea Nouchali	Recent Developments in Chemical Sciences	Nat	22 <sup>nd</sup> & 23 <sup>rd</sup> December 2015	Radhabai Kale Mahila Mahavidyalaya, Ahmednagar.

### Posters presented:

No	Title of the paper	Theme of the conference	L/S/N/IN	Date	Venue
1	Ethics in Clinical Trials	“XI All India Meeting of Women in Science- Science & Technology: Ethical Issues”	N	28 <sup>th</sup> -30 <sup>th</sup> January, 2011.	IWSA, New Mumbai
2	Chemistry of Smart Packaging	Global Challenges- The Role of Chemistry in giving their solutions	IN	11 <sup>th</sup> -15 <sup>th</sup> June 2011	Bangkok
3	Nanorobotics	Third Annual Conference of the Society of Nanoscience and Emerging Technologies	IN	7 <sup>th</sup> -10 <sup>th</sup> Nov 2011	Arizona, US
4	“ Thermo-acoustic parameters of green solutions and its comparison with non-green solvents”	Indo Japan conference on Catalysis: A Green Chemistry Approach	IN	13 <sup>th</sup> Feb, 2013	ICT, Matunga
5	“Anti microbial activities of the flower extracts of Nymphae Nouchali”	Innovations in Chemical Research and Applied Chemical Sciences”	IN	12 <sup>th</sup> -13 <sup>th</sup> January 2015	Smt. Chandibai Himathmal Mansukhani College, Ulhasnagar.
6	“Isolation and Identification of Phytochemicals from flowers of Nymphae Nouchali”	“Green Chemistry”	Nat	21 <sup>st</sup> January 2015	Elphinstone College, Fort, Mumbai.
7	“Isolation and Identification of Alkaloids from flowers of Nymphae Nouchali”	ICSMC	Int	27 <sup>th</sup> & 28 <sup>th</sup> Nov 2016	UDC Kalina
8	The investigation of antibacterial activity of stem extracts of Cestrum nocturnum	ICSMC	Int	27 <sup>th</sup> & 28 <sup>th</sup> Nov 2016	UDC Kalina

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**No of students guided till date: (completed)**

Sr. No	Name of the student	M.Sc/Ph.D.	Year of completion
1.	Yogesh Pradhan	M.Sc	2010

**Research projects completed till date : University: 05**

**UGC: 01**

No	Title of the project	Funding agency	Amount sanctioned	Year for which amount was sanctioned
1	Ionic Diels Alder Reactions	University of Mumbai	Rs.20,000/-	2004-05
2	Ionic Diels Alder Reactions	University of Mumbai	Rs.20,000/-	2006-07
3	Ionic Diels Alder Reactions	UGC	Rs.50,000/-	2007-09
4	Synthetic Approaches towards Neolignan Synthesis	University of Mumbai	Rs 33,750/-	2009-10
5	“Calibration of adulteration in fuels by Acoustic method”.	Mumbai University	Rs. 27,400/-	2012-13
6	Bioactivity studies of Nymphaea Nouchali	University of Mumbai	Rs. 25,000/-	2013-14

**Extra-curricular activities:**

- 1) Organizing Committee Member for the National Conference on “ Role of Governance, Leadership and Management in Institutional Quality Improvement on December , 22<sup>nd</sup>-23<sup>rd</sup>, 2014.
- 2) Organizing Committee member for the workshop on Peaceful Uses of Nuclear Energy on 24<sup>th</sup> June 2014.
- 3) Organizing Committee member for the workshop on Laboratory Safety for Chemistry Students on 9<sup>th</sup> August 2014.
- 4) Organized a workshop on Stereochemistry for MSc Part-I students on 06.09.2014.
- 5) Member of organizing committee of the International Conference on Interdisciplinary applications of Remote Sensing and Geographic Information Systems -2013 to be conducted from 25<sup>th</sup> to 27<sup>th</sup> April 2013 at K.J. Somaiya College of Science & Commerce.
- 6) Member of Organizing committee for workshop on Revised syllabus and implementation of Credit based grading system for MSc Part I in Inorganic Chemistry on 4<sup>th</sup> July 2012 at K.J. Somaiya College of Science and Commerce.
- 7) Member of organizing committee of the workshop on **Spectroscopy** conducted from 01<sup>st</sup> to 4<sup>th</sup> Dec 2010 at Chemistry Dept, K.J. Somaiya College of Science & Commerce.
- 8) Member of organizing committee of the workshop on “**Revised Syllabus of Inorganic Chemistry**” conducted at Chemistry Dept, K.J. Somaiya College of Science & Commerce in July 2010.
- 9) Member of the organizing committee of the **National Conference “Environment Management: Watch your Carbon Footprint”** conducted on 23<sup>rd</sup> & 24<sup>th</sup> Jan 2009 at K.J.Somaiya College of Science & Commerce.



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- 10) Member of the organizing committee of the **National Conference on Gender Equity** conducted on 9-10<sup>th</sup> Jan 2009 at K.J.Somaiya College of Science & Commerce.
- 11) Member of the organizing committee of the **National Conference on Biochemistry** conducted in Dec 2008 at K.J.Somaiya College of Science & Commerce.
- 12) Member of the organizing committee of the **National Conference on Women Empowerment** sponsored by University of Mumbai conducted on 15<sup>th</sup> & 16<sup>th</sup> Jan' 2007 at K.J.Somaiya College of Science & Commerce.
- 13) Member of the organizing committee of the UGC sponsored seminar "**Nanotechnology: A Tiny Revolution**" conducted on 21<sup>st</sup> & 22<sup>nd</sup> Sept 2005 at K.J.Somaiya College of Science & Commerce.
- 14) Member of the organizing committee for the **Research Scholars Meet** conducted on 11<sup>th</sup> & 12<sup>th</sup> Feb' 2005 at K.J.Somaiya College of Science & Commerce.
- 15) Active member of the organising committee of the UGC sponsored seminar "**Honing of Excellence: Leadership and Communication Skills**" conducted on 28<sup>th</sup> & 29<sup>th</sup> January 2005 at K.J.Somaiya College of Science & Commerce.
- 16) Member of the organizing committee for **National Conference on Recent Advances in Methods of Synthesis in Chemistry** at K. J. Somaiya College of Science & Commerce on 7<sup>th</sup> & 8<sup>th</sup> Feb' 2003.

### Training programme attended

1. Participated in the Resource Generation Camp in Chemistry organized by Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research (T.I.F.R.) from September 14<sup>th</sup> - 18<sup>th</sup>, 2011.
2. Training programme for chemistry teachers from 10-11 Sept 2012 at BASF India Ltd, Chandivali

### College administration / committees

1. Member of Research, Consultancy and Extension Committee from 2000-2003
2. Convener of Placement Cell from March 2003 to 2011
3. Member of Cultural Forum Committee 2004-05.
4. Member of the Gymkhana Committee from 2004-05.
5. Member of Research Monitoring Committee in 2005-06.
6. Convener of Career Guidance Cell in 2008-09.
7. Member of Career Guidance Cell in 2009-10
8. Convener for the Certificate Course in Research Methodology and Computer Applications started in April 2013 till 2016.
9. Member of Sports Committee and Placement Cell in 2013-14.
10. Convenor of Honors Programme in 2014-15 to 2017-18
11. Convenor of Tutor Mentor Committee in 2017-18 and 2018-19

### Research Awards

Event	Date	Venue	Award details
Research Activities in the University Departments and Affiliated Colleges	28 <sup>th</sup> Sept'2006	University of Mumbai, Kalina Campus	Consolation prize for the best paper

**Social Contribution:** Informal contribution towards welfare of destitute children

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### **Membership of Associations:**

- 1) Life member of the *Indian Women's Science Association* from Jan'2011.
- 2) Life member of the *Society for Materials Chemistry* (Membership No. 414) from Nov'2010.
- 3) Executive Council Member of the *Catalysis Society of India* from Feb'2010.
- 4) Life member of *Association of Chemistry Teachers* (Membership No. 607) from Sept' 2008.
- 5) Life member of *Indian Council of Chemists* (Membership No. LF-933) from Oct'2005.

### **Sports:**

- 1) Represented school for Hockey, Throwball, Baseball, Table Tennis and Athletics from 1977-1981
- 2) Represented Maharastra for Hockey at State and International level tournaments from 1978 -1988.