

# Curriculum Vitae



**Name** : Prof. ShaileshR.Dave

**Date of Birth** : 19/03/1953

**Address (Work)** : Department of Microbiology and Biotechnology,  
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**ACADEMIC QUALIFICATIONS:**

EXAM	DIVISION	UNIVERSITY	YEAR	SUBJECT	MARKS(%)
B.Sc	First	Gujarat	1973	Microbiology	63.5
M.Sc.	Second	Gujarat	1976	Microbiology	55.0*
Ph.D	-	Mysore	1981	Microbiology	-

\*: First in University

**Ph.D Thesis**, “Microbiological and bioleaching studies on metallurgical bacteria cultured from Indian sulphidic mine waters.”

**(1<sup>st</sup> Ph.D., awarded in India in the field of Bioleaching)**

**Ph.D. Guide** : Late Prof. J.V.Bhatt

**APPOINTMENTS HELD:**

	Position	Institute	From	To
	Student Teacher Gujarat University	J& J College, Nadiad,	01.08.1975	15.03.76
	Material Supervisor Himmatnagar	N.M.E.P. Unit,	25.08.1976	05.10.76
	Senior Research Assistant	Gujarat Agriculture University	06.10.1976	31.05.77
	Senior Research Fellow	K.R.E.C., Mangalore	01.06.1977	20.02.80
	Lecturer University, Rajkot	M.V.M.College,Saurashtra	28.08.1980	14.06.82
	Lecturer Ahmedabad	Gujarat University,	15.06.1982	12.07.89
	Reader Ahmedabad	Gujarat University,	13.07.1989	29.03.96
	Reader and Head Ahmedabad	Gujarat University,	30.03.1996	06.10.98

Professor and Head Ahmedabad	Gujarat University, Ahmedabad	07.10.1998	Till date
Co-ordinator, Biotechnology	JNU	26.01.2005	14.06.07
Co-ordinator, Bio-technology	Gujarat University, Ahmedabad	15.06.2005	Till date
Co-ordinator, Clinical Research	Gujarat University, Ahmedabad	15.06.2010	Till date
Director, School of Science	Gujarat University, Ahmedabad	22.08.2013	Till date

### **PROFESSIONAL AFFILIATION:-**

#### **1. Fellow member-**

- A) The Academy of Environmental Biology(no.254, 8.11.1993), India(FAEB)
- B) Gujarat Science Academy(FGSA)
- C) Bio-tech Research Society of India(FBRSI)
- D) International Society of Bio-technology(F.I.S.B.T.)
- E) Society for Applied Biotechnology(FSAB)
- F) Indian Academy of Microbiological Sciences of India(FIAMS)

#### **2. Life member-**

- A) Association of Microbiologists of India(AMI Life Member no.482)
- B) Indian Association of Water Pollution Control
- C) Society for Science and Environment Academy of Ayurveda Development and
- D) Research(AADAR)
- E) Biotech Research Society of India  
Society for Applied Biotechnology

### **3. Member-**

New York Academy of Science , U.S.A. International Accreditation Organization,  
U.S.A.

### **4. Member of Editorial Board-**

- a) Indian Journal of Microbiology
- b) Journal of Environmental Biology
- c) Journal of Microbial World
- d) J. Pollution Research
- e) Research Journal of Biotechnology
- f) International Journal of Nonferrous Metallurgy
- g) Material Science and Engineering Progress(MSEP), Engineers press since 2013

### **5. Council Member-**

Association of Microbiologists' of India, 2006-2011

### **6. Senate Member-**

Gujarat University, 2006-2011

### **7. Syndicate Member-**

Gujarat University, 2010-2012

### **8. Academic Council Member-**

Gujarat University (4 times), Gujarat  
Forensic Sciences University(2012-15)

### **9. Chairman-Board of Studies-**

Microbiology, Gujarat University, since  
2001(5 times)

### **10. Reviewer in International**

**Journals:**

15

## 11. Co-ordinator-

For Life Sciences(B.Sc. 1<sup>st</sup> year,  
Phase-II for Countrywide Classroom UGC/CEC ETV Project, EMRC,  
Ahmedabad from Feb.2013

### ACADEMIC ACTIVITIES:-

#### 1. M.Phil Students :

48 (degree in Microbiology awarded)  
05 (degree in Bioinformatics awarded)  
03(working)

#### 2. Ph.D Students :

26(degree awarded)  
02(submitted Thesis)  
11 working for Ph.D.

#### 3. Specialized research area :

Bioleaching , Bioremediation, Enzyme  
production , Acid mine drainage, Waste  
water treatment, Bio-gas production,  
Environmental microbiology ,  
Extremophiles with reference to  
Acidophiles, Thermophiles, Halophiles,  
Microbial diversity , Biofertilizer

#### 4. Research Projects Completed :

**Total cost Rs.239.862 lakhs**

No.	Funding Agency	Title	Cost (Rs. in lakhs)	From	Upto
1	U.G.C.	Bio hydrometallurgical application of sulfur bacteria cultured from thermal spring of Gujarat	<b>0.07</b>	25.6.86	24.6.88
2	U.G.C.	Biotechnology and decontaminating of metal containing stodge	<b>0.50</b>	8.8.91	7.8.92

3	U.G.C.	Processing of complex sulphidic minerals by bihydrotechnology	<b>1.80</b>	28.2.90	27.2.93
4	GMDC	Bioleaching of G.M.D.C. concentrate	<b>4.0</b>	22.12.93	21.12.93
5	GMDC	Scale-up of bioleaching process	<b>10.0</b>	22.12.96	21.12.
6	GMDC	Two stage bioleaching process for polymetallic concentrate	<b>10.0</b>	22.12.2000	21.12.04
7	SRISTI(L.L.M.)	Soil microbial diversity of Tharad region	<b>2.0</b>	17.11.97	16.11.99
8	SRISTIUNDP/GEF Project(I.I.M.)	Soil microbial diversity of Balaram and Jessore sanctuaries	<b>2.0</b>	22.6.99	21.6.2000
9	DBT	Inventory of microbial resources of India	<b>1.29</b>	6.2.02	31.3..03
10	DBT	Microbial diversity of Indian mines with reference to sulphur oxidizers	<b>20.85</b>	6.10.99	6.10.02
11	DBT	Biotransformation of arsenic and arsenopyrite and its application(BT/PR4595/BCE/08/323/2003)	<b>19.25</b>	5.10.94	30.4.08
12	GSBTM	Studies on biotechnology of heavy metals	<b>24.0</b>	1.4.05	30.9.09
13	DST	Microbiology of Rajpardi lignite mine of Gujarat and its environmental and commercial applications	<b>17.78</b>	20.12.05	19.12.10
14	GMDC	Bioleaching of base metal concentrate by <i>Laptospirillum ferrooxidans</i>	<b>20.0</b>	26.3.07	19.6.12
15	KrishiVikas Kendra	Development of Biofertilizer strains	<b>1.30</b>	1.7.06	31.3.07
16	GSBTM	Biotechnological recovery of metals from selected e-waste	<b>19.97</b>	6.4.11	5.4.14
17	DST(WOS) (Mentor)	Isolation and characterization of organic solvent tolerant lipolytic enzymes	<b>23.80</b>	9.3.11	8.3.14
18	DST(WOS) (Mentor)	Biodegradation of acidic azo dyes and their industrial waste	<b>14.76</b>	3.3.11	2.3.14
19	UGC PDF to SC/ST candidate (mentor)	Enhancement of biodegradation by molecular manipulation in dye degrading bacteria	<b>5.592</b>	1.7.11	30.6.13

20	DRT BioCARE (Mentor)	Biotransformation of castor oil into desired fatty acids for their uses and applications	<b>22.10</b>	23.7.12	22.7.15
21	GSBTM (Mentor)	Bacterial diversity study of thermal springs of Gujarat and screening of selected thermoses	<b>18.805</b>	4.3.13	3.3.16
22	DBT BioCARE (Mentor)	Microbial production of bioactive compound stilbenes:resveratrol, viniferin, picied and Ampelopsin	<b>29.997</b>	9.9.13	8.9.16
23	DST WoS	Bacterial degradation of selected metal complex acid dyes and its effluent	<b>9.20</b>	3.3.14	2.3.17
24	Ministry of Earth Sciences(ESSO)	Prokaryotic diversity and metal fluxes at selected site of Saurashtra and Gulf of Khambhat coastal ecosystem	<b>43.996</b>	3.3.14	2.3.17

## 5. Resource Person, Teacher and Expert in

Refresher courses	20
National and International Workshops	12
Sympositions	15

## 6. Awards –

Hari Om Ashram

Bioresource Technology Top Reviewer in 2008

Selected forRashtriyaGaurav Award, 2009

## 7. Best paper awards in conference: 15

**8. Organized Conference  
(Organizing secretary):**

1. National Symposium on Microbial Diversity in Sustainable Development , March 1-2, 2003
2. Regional Symposium on Microbial Biotechnology, January 22-23, 2005
3. Regional Conference in Microbial Technology for sustainable environment, March 2-3, 2009.
4. National Seminar on Bioinformatics in Microbiology Diversity, March 4, 2012

**9. Organized Refresher Course-**

1<sup>st</sup> Refresher Course in Microbiology, January 11-31,1999

**10. Ph.D thesis evaluated-**

16

**11. Research Papers evaluated-**

65

**12. Major Research projects  
Evaluated-**

12 (UGC, DST, DBT, CSIR)

**13. Formulation and revision of  
Syllabus-**

B.Sc, M.Sc., M.Phil for Guj.Uni., Hemchandracharya North Gujarat University, IGNOU, Saurashtra Uni., S.P.Uni., Nirma University, Gujarat. Vidyapith

**Specialized academic and research activity**

Member of UGC X Plan Committee for Bombay University

- DBT nominee Member in GMO Biosafety Committee for Industry and Academics, IBSCs, since 2009
- Expert for Bioleaching Consortium of Indi
- Chairman, Board of Studies, Microbiology, Gujarat University
- Member, Board of Research , Saurashtra University



- Advisory, Academics and Research, Gujarat Vidyapith
- Ph.D. Guide at Gujarat University, Saurashtra University, Gujarat Vidyapith, Swami RamanandTeerthMarathawada University
- Institutional Nodal Co-ordinator, BITvirtual M.Phil. Bioinformatics Programme, GSBTM, Gandhinagar
- M.Phil Guide for Bioinformatics, Saurashtra University
- UGC and INSA sponsored in winter school:18.10.82 to 6.11.82, Pune
- Visiting fellowship under UGC scheme at Saurashtra University:27.10.88 to 4.11.88
- UNESCO sponsored course, Pune:26.12.88 to 6.01.89
- Actively involved in Gujarat Biological Society's activities such as organizing seminars, quiz, essay writing for school and college students.
- Session Chairperson at Int.Conference on New horizons in Biotechnology and 8<sup>th</sup> Annual Convention of BRSI, Trivendrum, Nov. 21-24, 2011
- Advisory Committee Member of UGC-DSA Phase-II, 2008-09
- Member of Selection Committee, Biotech Industrial Training Programme(BITP), 2008-09
- Member of UGC/AICTE review Committee, Bhavnagar University, 2008
- V.C.nominee on the Selection Committee for the post of Professor, Reader, lecturer in Microbiology, S.P.University, 2008
- Member of expert Committee for Student Sci-Tech Projects, GUJCOST, 2009-10
- V.C. nominee member subject(Microbiology) expert P.G. Adhoc Board, Saurashtra University, 2009
- Member of Advisory Committee of Academic Staff College(ASC)Gujarat University, 2013-2015
- Member of Faculty Committee of Science , Ganpat University, 2012
- Member of Scientific Advisory Committee, Indo-Mauritius International Conference on Bio-technology for Better Tomorrow, BTBT-2013, Mauritius, Nov.11-12, 2013
- Member of Scientific Advisory Committee, Workshop on Intellectual Property Rights Awareness -2014(WIPRA-2014), Organized by GUJCOST IPR Cell and Gujarat University, Ahmedabad, Mar.6, 2014
- Member of National Scientific Advisory Committee, National Conference on Modern Analytical Techniques in Microbiology, MATM-2014, Pune, Jan. 17-18, 2014
- Visiting Faculty for Biotechnology, Microbiology and Bioinformatics, Mehsana Urban Institute of Sciences, Ganpat University, Mehsana, Gujarat
- Member of National Scientific Advisory Committee, National Symposium on Status, Challenges and Opportunities in Life-sciences, V.V.Nagar, Anand, Sep.10, 2011
- Member of Scientific Advisory Committee, UGC sponsored State Level Seminar on Innovative Approaches to Biological Sciences: Recent Perspectives, Nadiad, Jan.3, 2011
- Member of National Scientific Advisory Committee, National Conference on Pharmacogenomics, Revolutionizing Personalized Medicines, Katol, Dist., Nagpur, Sep.21-22, 2012.
- Guest of Honour, 25<sup>th</sup> State Level Intercollegiate Competitions 2014-'Bio Wave', Nadiad, Feb.2, 2014
- Member of Expert Committee, Interactive Sessions for Research Scholars and Young Teachers, Sai RAM Trust, Ahmedabad, Feb.2008.

**Ph.D awarded** 28

**M.Phil dissertations guided** 48

### **Publications and Presentations of Research Papers**

<b>Total Invited Lectures</b>	<b>39</b>
➤ <i>National Conferences</i>	15
➤ <i>International Conferences</i>	13
➤ <i>Workshop/Training programme/ Special invited talk</i>	11
<b>Total Presentations</b>	<b>312</b>
➤ <i>International Conferences</i>	73
➤ <i>National Conferences</i>	183
➤ <i>Regional /state level</i>	56
<b>Total Publications</b>	<b>121</b>
➤ <i>National (Journal &amp; proceedings)</i>	52(36+16)
➤ <i>International (Journal &amp; proceedings)</i>	49(30+19)
➤ <i>Book Chapter</i>	20