



Matushri Virbaima Mahila Science & Home Science College

Kalawad Road, Near Under Bridge, RAJKOT

PHONE NO. +91-281-2452997 email ID : mvmsscience@yahoo.co.in &

(Re-Accredited 'A' Grade by NAAC, CGPA- 3.04)

Self Appraisal Form for Teachers

A. Personal Information :

1	Name	Chetana Mukundbhai Rajyaguru
2	Residential Address with Pin No.	"Chetana" H-225, Saritavihar Society, Love Temple Road, Mota Mauva, Rajkot-360005
3	Mobile No.	9712915419
4	Landline No. of Resident	2562147
5	Other alternative No.	9825215429
6	E-Mail ID	Chetanamrajyaguru1967@gmail.com ; chet_jatin@yahoo.co.uk
7	Date of Birth	17/10/1967

B. (a) General Information :

1	Designation	Associate Professor
2	Department	Microbiology
3	Specialization if any	Antimicrobial Activity, Environmental Biotechnology
4	Date of Appointment	
	(i) In the present institution	30/01/1992
	(ii) In the present post	-
5	Honours conferred	

B.(b) Academic Qualification :

Examination	Board/University	Subjects	Year	Division/Grade/Marks
New SSC	GSEB Gandhinagar	Science	1983	Distinction 72 %
HSC	GSHSEB Gandhinagar	Science	1985	Higher Second Class 58 %
B.Sc.	Saurashtra University	Microbiology	1988	First Class 60 %
M.Sc.	Gujarat University	Microbiology	1991	Higher Second Class 58 %

C.(a) Research Experience & Training :

Research Stage	Title of work/ Thesis	University where the work was carried out
M.Phil. or equivalent	-	-

	Synthetic & Biological Organic Compounds	University
Post-Doctoral	-	
Publication (give a list separately) (Annexure-I)	<u>Annexure-I</u>	Saurashtra University
Research Guidance (give names of Students guided successfully) (Annexure-II)	-	-

C.(b) Research Projects Carried out :

Title of the project	Name of the funding agency	Duration	Remarks
-	-	-	-

C.(c) Seminars, Conferences, Symposia, etc. Attended :

Name of the Seminars, Conferences, Symposia, etc.	Name of the sponsoring Agency	Place & Date	Title of the paper presented (if any)
Environmental Biology National	Biochemistry Dept, Saurashtra University	Rajkot 17/10/2002 &18/10/2002	Studies on Cyanopyridines: Synthesis and Antimicrobial Action of 2-Amino-3-Cyano-Aryl-6-(4'-Phenylsulphnamidophenyl) derivatives
Environmental Science and Technology National	Human Resources and Development and Pradeshik Lok Vignan kendra	Rajkot 6/01/2003 & 7/01/2003	-
15th State Level Seminar	Micro Study Circle	Rajkot 21/12/2003	-
State Level Science Symposium	Christ College	Rajkot 25/01/2004	-
Environmental Problems of Saurashtra and Kutchh : Challenges and Solutions state level	Yogidham Education Commune	Rajkot 01/02/2004	-
50 Years of DNA Double Helix-Retrospect and Prospects national level	M.& N. Virani Science College	Rajkot 11/10/2004	-
Recent Trends in Drug Discovery International level	ISCB and Chemistry Dept, Saurashtra University	Rajkot 08/01/2005	-
Microbiology National Conference	Microbiology Dept, Gujarat University	Ahmedabad 22/01/2005 to 23/01/2005	-
National Symposium	Yogidham Gurukul	Rajkot 01/12/2006 to 03/12/2006	-
Radiology in Service of Mankind National level	M.& N. Virani Science College	Rajkot 03/12/2006	-
50 Years of DS DNA	M.S. University	Baroda	-

National level		17/01/ 2006	
Bio reactive Heterocycles and Drug Discovery Paradigm National level	ISCB and Chemistry Dept, Saurashtra University	Rajkot 8/01/2005 to 10/01/2005	Preparation and Antimicrobial Activity of 2,5-Bis-(3'-Acetylphenylamino)-5-Triazines
Bioresources : Utilization and Conservation National level	Biosciences Dept, Saurashtra University	Rajkot 17/02/2006 and 18/02/2006	Antimicrobial study of some 1-substituted Phenyl(1,2,4)Triazolo(3',4',3,4)(1,2,4)Triazino(5,6-B)Indoles
International Conference on Advances in Drug Discovery Research	ISCB, CDRI, Lucknow and Dept of Chemistry ,Dr. Babasaheb Ambedkar Marathawada University	Aurangabad 24/02/2007 and 26/02/ 2007	Preparation And Antimicrobial Evaluation Of Cyclohexanones
National Symposium on Recent Trends in Cellular Research	Biochemistry Dept, Saurashtra University	Rajkot 09/03/2009	Antimicrobial Activity of Caumarin by Agar Dilution Method
Pharmaceutical conference	International Society of Chemists and Biologists, Pharmaceutical Dept, Saurashtra University, Rajkot	Rajkot 24/02/2009 to 26/02/2009	Newly Synthesized caumarin and its Antimicrobial Activity
Vidvat Gosthi state level	Vidyabharti Gujarat Pradesh and Saurashtra University, Rajkot	Rajkot 22/11/2009	Indian Educational Values and Globalization
Green Chemistry : challenges and Solutions State level	Shri M.& N. Virani Science College	Rajkot 19/12/2009	-
Nanotechnology : Challenges and Opportunities National level	Shri M.& N. Virani Science College	Rajkot 28/12/2009	-
Gujarati Diaspora Poets Meet National level	Sahitya Academy, Delhi and Gardi Research Institute for Diaspora Studies	Rajkot 03/01/2010	-
Biochemistry : A Global Approach From Molecules to Cell National level	UGC, Dept of Biochemistry, Saurashtra University	Rajkot 30/01/2010	-
National Seminar on Nanotechnology : How useful in Today and Tomorrows for Bio-organic And Natural Sources in Agriculture farming	Nano Agro Science Co-operative Society Ltd.(NASCO)	Rajkot 8/05/2010	-
National Conference on Environment and Climate with the Theme Impact Assessment of Environment and	Biology Department, M.V.M. Science & Home Science College ,Rajkot and International Society of Science and	Rajkot 13/02/2011	Algal Extracts as Antimicrobials Third Rank

Climate	Technology, Mumbai		
Recent Advances in Biological Sciences Science Academies National Workshop	Dept. of Biotech, M.& N. Virani Science College, DBT	Rajkot 6/03/2012 to 8/03/2012	Antimicrobial Screening of Newly Synthesized Quinolones
Scientific Wealth of Physics One Day National Seminar	UGC & Dept. of Physics, H.& H.B. Kotak Institute of Science	Rajkot 26/08/2012	-
Patent-O-Menia National workshop	IPR Dept. of Pathservicez & Dept. of Pharmaceuticals Sciences, Saurashtra University	Rajkot 6/10/2012	-
31st Annual National Conference	Indian Council of Chemists & Dept. of Chemistry, Saurashtra University	Rajkot 26/02/2012 to 28/02/2012	-
National Science Symposium 2013 on Recent Trends in Science & Technology	Christ College	Rajkot 20/01/2013	Antimicrobial Activity of Carbohydrazines by Agar Dilution Method
National Conference on Bio scientific Technologies-An Elixir for research in 21st Century	UGC & Dept. of Biochemistry, M.&N. Virani Science College	Rajkot 2/02/2013	Tools for Determining Antimicrobial Activity
National Seminar on Democracy in Our Times, Past, Present & Future	UGC & H.B. Jasani Arts & Shri N.K. Jasani Commerce College	Rajkot 14/09/2013	Democratic Effects on Modern Education
National Seminar on Science & Technology for Modern Society	GUJCOST, Dept. of Science & technology, Gandhinagar, Biotech Engineering Dept. VVP Engineering College	Rajkot 18/01/2014	-
National Science Symposium 2014 on Recent Trends in Science & Technology	GUJCOST & Christ College	Rajkot 23/02/2014	Antifungal profile of Some Newly Synthesized substitute (3E)-3 benzylidene-2H-chromene-2,4(3H)-diones
National Seminar on Environmental Issues & Challenges	UGC, Jasani College, Rajkot & Gujarat Geographical Association	Ahmedabad 19/03/2014	Ethical Aspects of Air Pollution
National Seminar on Microbes & Industrial Biotechnology	GSBTM & Dept. of Pharmaceutical Sciences, Saurashtra University	Rajkot 23/09/2014	Lin-Benzo-Quinolones Synthesis & Antibacterial Activity of Lin-Benzo-Ciprofloxacin
National Seminar on Recent Advances on Biochemical Research	UGC & Dept. of Biochemistry, Saurashtra University,	Rajkot 14/02/2015	Agar Dilution Method -A Developing Technique for MIC
National Seminar on Challenges &	GUJCOST & Dept. of Pharmaceutical	Rajkot 21/02/2015	Antifungal Profile of Some Newly Synthesized 2-Amino-6-

Opportunities on Nanotechnology based Drug Delivery System	Sciences, Saurashtra University		methyl-5-oxo-4-substituted phenyl-5,6-Dihydro-4Hpyreno[3,2-C]quinoline-3 Carboxylates
National Science Symposium 2015 on Recent Trends in Science & Technology	Christ College	Rajkot 22/02/2015	Antimicrobial Studies of Some Newly Synthesized ethanones By Agar Dilution Method
National Seminar on Widening Horizons of Microbiology	DBT,GSBTM & M.& N. Virani Science College	Rajkot 28/02/2015	Antimicrobial Activity of newly synthesized Caumarins
National Science Symposium 2016 on Recent Trends in Science & Technology	GUJCOST & Christ College	Rajkot 14/02/2016	Comprehensive Study of Assessment Techniques in Antimicrobial Activity
National Conference on Quality Enhancement & Sustenance in Teaching, Learning & Evaluation in Higher Education	IQSC, Christ College	Rajkot 20/08/2016	Role of Teachers in Higher Education
National Symposium on Education, peace and Terror free World	HRDC, Saurashtra University	Rajkot 13/02/2017 to 14/02/2017	-
International Science Symposium 2017 on Recent Trends in Science & Technology	Christ College	Rajkot 26/02/2017 to 27/02/2017	Antimicrobial Potential of Algal Extracts
Science Symposium 2017 on Recent Trends in Science & Technology	Christ College	Rajkot 26/02/2017 to 27/02/2017	Synthesis and Antimicrobial Activity of s-Triazines: preparation and antimicrobial activity of 2-(3'-Acetylphenylamino)-4-arylamino-6-(1'-phenyl-2'-3'-dimethyl-5'-pyrazolon-4'-yl-amino)-s-triazines
Symposium on Challanges of Deglobalization for India	UGC & H.B. Jasani Arts College and N.K. Jasani College	Rajkot 9/03/2017	-
National Workshop on Advanced Instrumental Techniques in Herbal Drug Research	Atmiya Institute of Pharmacy and Virani Science College	Rajkot 28/04/2017	-
10th National Symposium 2018 on Recent Trends in Science & Technology	Christ College	Rajkot 11/02/2018	The future of Our Environment

C.(d) Training/ Workshop/FDP/Orientation/ Refresher Course :

Sr. No.	Name of Programme	Duration	Organized by
1	Orientation	25/04/1994 to 21/05/1994 (27 Days)	UGC & Saurashtra University, Rajkot
2	Refresher- I	6/01/2000 to 23/1/2000 (23 Days)	UGC & Gujarat University, Ahmedabad
3	Refresher- II	24/04/2001 to 11/05/2001 (18 Days)	UGC & Gujarat University, Ahmedabad
4	Refresher- III	10/10/2002 to 30/10/2002 (21 Days)	Maharaja Sayajirav University, Baroda
5	Basic Computer Course	25/02/2006 to 1/04/2006 (35 Days)	Lakhotia Computer Center, Gonal Road, Rajkot
6	Nanoscience and Nanotechnology : A Curriculum Development Approach National level	21/02/2010 (01 Day)	UGC, M.V. M.Sc. & HSc. College, Rajkot
7	Cambridge Placement Test, SCOPE, CEFR level :B2,Score : 73	19/02/2012 (01 Day)	SCOPE, Cambridge
8	National One Day Workshop on R & D and its Impact in Current Context	14/09/2013 (01 Day)	Saurashtra University, Rajkot
9	National One Day Workshop on R & D and its Impact in Current Context	14/09/2013 (01 Day)	DST-FIST funded & UGC-SAP sponsored Industry-Institution Interaction Cell, IQSC, NFDD ,Dept. of Chemistry, Saurashtra University Rajkot
10	FDP on Concepts of Networking	12/08/2013 to 23/08/2013 (12 Days)	IQAC,M.V.M. Sc. & H.Sc. College,Rajkot
11	Refresher Course in Nano And Applied Sciences	2/12/2013 to 22/12/2013 (21 Days)	HRDC, Rajkot
12	FDP on Concepts of Networking	12/08/2013 to 23/08/2013 (12 Days)	IQAC, M.V.M. Sc. & HSc. College,Rajkot
13	DBT Sponsored Faculty Development workshop “Maintenance of Opto-analytical Instrument”	19/08/2013 to 23/08 /2013 (05 Days)	M. & N. Virani Science College, Rajkot & Western Regional Instrumentation Center (WRIC), Mumbai
14	Faculty Development	7/07/2014 to 17/07/2014	IQAC,M.V.M. Sc. & H. Sc. College, V. P. Academy,

	Programme on Computer Basics	(11 Days)	Rajkot
15	Special summer school 2015, Enhancement of e learning	25/05/2015 to 14/06/2015 (21 Days)	UGC, HRDC, Saurashtra University, Rajkot
16	NAAC ,Awareness under National Quality Renaissance Initiative (NQRI) of NAAC	16/09/2015 (01 Day)	IQAC, Saurashtra University, Rajkot
17	Syllabus Formation workshop	16/02/2016 (01 Day)	Saurashtra University, Rajkot
18	FDP on Velocity Reading	15/02/2017 (01 Day)	Saurashtra University, Rajkot
19	ICMR Sponsored workshop on Advanced Instrumental Techniques in Herbal Drug Research	28/04/2017 to 29/04/2017 (02 Days)	Atmiya Institute of pharmacy & M.N. Virani Science College, Rajkot
20	FDP on Teacher's Qualities	14/04/2018 (01 Day)	Swaminarayan Temple, Rajkot

C.(e) Details as Resource person :

Sr.No.	Event	Title of Presentation	Date & Place	Organized by
1	Guest Lectures	Applied and Environmental Microbiology	Since 1999 to 2007 Rajkot	Biochemistry Department, Saurashtra University
2	Guest Lectures	Applied and Environmental Microbiology	Since 2008 to 2011 Rajkot	Biotechnology Department, Saurashtra University
3	Invited lectures	Antimicrobial Agents, Multiple Drug Resistance	7/02/2012 17/02/2012 21/02/2012 24/02/2012 28/02/2012 Rajkot	Biotechnology Department, Saurashtra University
4	6th National Level Symposium 2013 on Recent Trends in Science & Technology	Judge in Poser presentation Microbiology	20/01/2013 Rajkot	Christ College
5	Invited lectures	Antimicrobial Agents, Multiple Drug Resistance, Antibiotics, Drug Discovery, Strategic Defence of MDRO	6/02/2013 to 27/02/2013 Rajkot	Biotechnology Department, Saurashtra University
6	Invited lectures	Antibiotics, Antimicrobial Activity,	2/02/2014 to	Biotechnology Department,

		Chemotherapy, Virology	27/02/2014 Rajkot	Saurashtra University
7	Invited lectures	Antibiotics, Antimicrobial Activity, Chemotherapy	6/02/2015 to 27/02/2015	Biotechnology Department, Saurashtra University
8	8th National Level Symposium 2015 on Recent Trends in Science & Technology	Judge in Poser presentation Microbiology	22/02/2015 Rajkot	Christ College
9	Atmiya SciTech Utsav 2016 National Level Symposium on Advancement in Science & Technology	judge in SciTech Lalitkala	22/01/2016 Rajkot	DBT & M.& N. Virani Science College
10	Invited lectures	Antimicrobial Agents, Drug Resistance	9/02/2016 6/02/2016 13/02/2016 16/02/2016 20/02/2016 23/02/2016 27/02/2016 Rajkot	Biotechnology Department, Saurashtra University
11	9th National Level Symposium 2016 on Recent Trends in Science & Technology by	Judge in Poster presentation Microbiology	14/02/2016 Rajkot	GUJCOST & Christ College
12	Syllabus Formation	Expert in Microbiology	16/02/2016 Rajkot	Saurashtra University
13	Atmiya SciTech Utsav 2017 National Level Symposium on Advancement in Science & Technology	As judge in SciTech Lalitkala	10/02/2017 to 11/02/2017 Rajkot	DBT & M.& N. Virani Science College
14	Invited lectures	Antimicrobial Agents, Drug Resistance	13/02/2017 20/02/2017 23/02/2017 Rajkot	Biotechnology Department, Saurashtra University
15	Budding Scientist 1, One Day National Conference on Emerging Science	Judge in Oral Paper Presentation in Microbiology	18/02/2017 Rajkot	IQAC , Saurashtra University, Harivandana College
16	International Conference 2017	Judge in Oral paper presentation, Microbiology	26/02/2017 to	Christ College

	on Recent Trends in Science & Technology		27/02/2017 Rajkot	
17	Invited Speaker	Environmental Science	30/03/2017 31/03/2017 6/04/2017 Rajkot	Physiotherapy College, Opp. Nirmala Convent
18	GSBTM Crash Workshop	Resource person on topic Antibiotics and Drug Resistance	8/04/2017 Rajkot	M. & N. Virani College (Autonomous)
19	Ph. D Dissertation viva	Subject expert	9/05/2017 Rajkot	R.K. University
20	Invited lectures	Antimicrobial Agents, Drug Resistance, Vaccines	8/01/2018 31/01/2018 Rajkot	Biotechnology Department, Saurashtra University
21	10th National Symposium 2018 on Recent Trends in Science & Technology	Judge in Paper Presentation in Microbiology	11/02/2018 Rajkot	Christ College
22	Lecturers' Interview	Subject expert in Microbiology	15/08/2018 Rajkot	Savani Paramedical College, B.T. Savani Kidney Hospital
23	Invited lectures	Antimicrobial Agents, Drug Resistance	29/10/2018 30/10/2018 Rajkot	Biotechnology Department, Saurashtra University

D.(a) Teaching Experience :

Course taught	Name of the University/College/Institution	Duration (As on June-2018)
U.G.	MVM Science & Home Science College, Rajkot	27 years,5 months,
P.G.	Saurashtra University, Rajkot	20 years
M. Phil.	-	-
Any other	-	-

D.(b) Total Teaching Experience :

- (i) Under-graduate : **27 years 5 months** (ii) Post graduate : **20 years**

E. Innovations / Contributions in Teaching :

(Give list/lists separately for the following if required)

- Design of Curriculum : **Formed for First, Second and Third year Microbiology new Syllabus. As and whenever syllabus of Microbiology was reformed given service and suggestions.**
- Teaching Methods : **usually Board work, charts, dialogues, Power point presentation, Group discussion and Questioning.**
- Laboratory experiments : **teaching, explaining, demonstration, use of multimedia and SOPs.**

- d) Evaluation Methods : **unit tests, Quiz ,asking questions, debate**
Preparation of resource material Including book, reading materials, Laboratory manual etc., Prepared resource material for units taught by me. Laboratory manuals are prepared for all the three years.
- e) Remedial Teaching / Student : **dull students and absentees are taught in free time.**
- f) Counselling (academic) :
- g) Any other :

F. Extension Work/ Community Services :

- 1 Please give a short account of your contribution to :
- **Involved in social services through Old Songs Listeners' Welfare Society, Rajkot.**
 - **Since 1992 with foundation of Bruce lee Welfare Club, Human rights and safety are practically put into practice through teaching Judo, Karate and Indian Defence Techniques.**
- i. National Mission :
- 2 Position held/Leadership role played in organizations linked with Extension Work & National Service Scheme (NSS) or NCC or any other similar activity :

G. Participation in Corporate Life:

Please give a short account of your contribution to :

College/University/Institution :

1. Worked as Paper setter in M. phil Biochemistry Examination
2. Expert in Formation of Syllabus of Environmental Science
3. Member of Microbiology Syllabus committee
- 4 External Examiner and Paper setter in Undergraduate and Post Graduate courses in Saurashtra University, Atmiya Autonomous ,R. K. University, Rajkot and Narsih Mehta University, Junagudh.
5. For last five years served as Secretary in M.V.M. Alumani Association, Rajkot and conducted several programmes
6. Committee member of IQAC
7. Co editor of College Magazine
8. Committee member of Saptdhara

Co-curricular Activities :

1. President of Kotak Alumni Students' Association
2. Member of Bruhad Gujarat Sangeet Samiti, Gandhinagar
4. Enrichment of Campus Life (Hostels, Sports, Games, Cultural Activities) : **Guided students to participate in cultural activities in and outside college for their all over development.**
 - i. Students Welfare & Discipline: **prepared several students every year to take participation in poster as well as oral paper presentations in various academic events.**
 - ii. Membership/Participation in Bodies/Committees on Education and National Development :**Life time member of Society of Chemists and Biologists, Indian Woman Scientists Association and itsallaboutwomen.com**
 - iii. Professional Organization of Teacher : **Life time member of Association of Microbiologists of India and Microbiologists Society, India**

H.(a) Membership of Professional Bodies, Societies etc. :

(b) Editorship of Journals :

I.(a) State brief assessment of your performance indicating :

(b) Difficulties faced :

(c) Suggestions for improvement :

J. Step taken by you for the evaluation of the course/ programme taught :

K. Any other Information :

Annexure-I

Sr. No.	Title of the Paper	Journal/ Book	Date/ Volume/ Pg. No.	Year of Publication	National/ International	ISBN/ ISSN No.
1	Synthesis, Characterization and Antimicrobial Activity of substituted Tetrahydrothiano [2,3-C] Schiff based Derivatives	Journal of Applied Technology in Environmental Sanitation	Vol 2,issue 2, ,pg 109-114	August 2012	International	2088-3218
2	Synthesis and Antimicrobial Activity of Substituted Tetrahydro [2.3-C] pyridine-2yl urea derivatives	Journal of Chemical and Pharmaceutical Research	Vol 4, issue 3,,1566-1572	2012	International	0975-7384
3	Synthesis And Biological Activity Of Some New Schiff bases	International Journal of Chemical Science	Vol 11,issue 2 ,981-988	2013	International	0972-768X
4	Synthesis, Characterization and Anti tubercular Activity of 1,3,4-Oxadiazoles clubbed with pyrroles	Chemistry and Biology Interface ,An official Journal of ISCB	Vol 3 ,issue 2	2013	International	2249-4820
5	Synthesis, Characterization and Antimicrobial Activity (MIC) of Some Substituted Pyranopyrazole Derivatives	IJSRSET1841218 Online Journal	Vol 1,Issue 1,796-799	February 2018	International	2395-1990