

## Staff Profile

### • Personal Details

**Name :** DR. RUBY G. PATEL

**Permanent Address :** 35, Tulsi bungalows, Science city road, Sola, Ahmedabad-380060.

**Local address :** 35, Tulsi Bungalows, Science city Road, Sola, Ahmedabad- 380060

**Date of Birth:** 02/05/1988

**Mo. No. :** 9978829059, 079-27712535

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### Academic Details:

Degree	Passing year	Board / University	Percentage
S.S.C.	March 2003	GSEB	80.00
H.S.C.	March 2005	GSEB	46.00
B.Sc.	April 2008	Gujarat University	75.42
M.Sc.	May 2010	Gujarat University	78.88 (Gold Medalist)
M.Phil.	March 2012	Gujarat University	77.50
Ph.D.	December 2017	Gujarat University	-

### • University Recognition:

Degree	University	Recognition Letter number	Recognition Date
U.G.	HNGU	AK/manyata/287/10095/2019	12/03/2019
P.G.	Nil	Nil	Nil
M.Phil.	Nil	Nil	Nil
Ph.D. (Guide ship) (If Yes No. Of Students: Awarded ___ Running ___)	Nil	Nil	Nil

### • Orientation/ Refresher/ Training Programme

Course	Title of the Course	Name of Academic Staff College/Organization	Duration	
			Date	Date

Nil	Nil	Nil	Nil	Nil
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• **Seminar/workshops**

Sr. No.	Title/Subject	Organizer /Sponsor	Status (State/National/International)	Dates
1.	Phytoresources For a Better Health (PBT 2018)	Department of Botany, Bioinformatics and Climate Change Impacts Management	State	24 <sup>th</sup> January, 2018
2.	Integrating Climate Energy Transformation and Youth (ICE TRAY - 2018)	Department of Botany, Bioinformatics and Climate Change Impacts Management	State	19 <sup>th</sup> January, 2018
3.	Integrating Biomolecules, Drug Discovery and Microbial technology	Department of Microbiology and Biotechnology, Gujarat University on	State	11 <sup>th</sup> march, 2017
4.	Emerging Trends and Advances in Chemistry	Gujarat Arts & Science College, Ahmedabad	State	11 <sup>th</sup> February 2017
5.	Innovation and Technology, attended session on Biotechnology, Information Technology, Electronics and Start-ups	GSBTM	National	30 <sup>st</sup> Septmber, 2016
6.	Science excellence 2015,	Department of Botany, Bioinformatics and Climate Change Impacts Management	State	26th September 2015
7.	Molecular Modeling and Medical Chemistry	Applied Botany center, Department of Botany, University School of Sciences, Gujarat University	State	21 <sup>st</sup> March 2015
8.	4 <sup>th</sup> International Science Congress (ISC-2014)	Pacific University, Udaipur, Rajasthan, India.	International	February, 2015
9.	“Climate Catalase-2014” dealing with the climate change science, climate policy and direct action, organized by	IYCN held at CEE, Ahmedabad	State	September, 2014

10.	Intellectual Property Rights Awareness-2014	GUJCOST, IPR Cell, Department of Botany, University School of Sciences, Gujarat University, Ahmedabad	State	6 <sup>th</sup> March 2014
11.	Recent Trends in Science and Technology	Christ College, Rajkot	National	23 <sup>rd</sup> February, 2014
12.	Science Manthan-2014	Charotar University of Science and Technology, Changa, Gujarat	State	2 <sup>nd</sup> February 2014
13.	Placement and Related Activities	Gujarat University Placement Cell (GUPC) at Department of Botany, University School of Sciences, Gujarat University	State	20 <sup>th</sup> December 2014
14.	Future Scenario of Environment organized by	Government Science Collage, K K Shashtri Educational Campus, Ahmedabad	State	2 <sup>nd</sup> -3 <sup>rd</sup> August 2014
15.	Conservation of Plant Biodiversity and Environment”, organized by	Biology Department, B. K. M. Science College, Valsad, Gujarat	State	1 <sup>st</sup> September 2013
16.	Career Planning and Entrepreneurship as Career Choice	Department of Botany, Gujarat University, Ahmedabad	State	27 <sup>th</sup> July 2013
17.	Research to Rupees- A technology & Research Management Program	Gujarat State Biotechnology Mission, Department of Science and Technology, Government of Gujarat GVFL Ltd. In association with SkyQuest Technology Consulting Pvt. Ltd.	State	25 <sup>th</sup> -26 <sup>th</sup> March 2013
18.	Enhancing Teaching/Learning Through Multimedia and Web 2.0 Technology	K. K. Shah Jarodwala Maninagar Science Collage, Ahmedabad	National	24 <sup>th</sup> March, 2013.
19.	Biochemistry: A Science Beyond Compartmentalization	Department of Biochemistry, M. G. Science Institute, Navrangpura, Ahmedabad	National	20 <sup>th</sup> -21 <sup>st</sup> December 2013
20.	Conservation of Biodiversity and Environment: A Challenge	K. K. Shah Jarodwala Maninagar Science Collage, Ahmedabad	State	5 <sup>th</sup> January, 2013
21.	Science for Shaping the	The Maharaja Sayajirao University of Baroda,	State	15 <sup>th</sup> – 16 <sup>th</sup> September, 2012

	Future of India	Vadodara and Indian Science Association (Baroda Chapter)		
22.	Scientific/Research Paper Writing	National Academy of Science, India (NASI)	National	8 <sup>th</sup> – 10 <sup>th</sup> June, 2012
23.	Physiological & Molecular Interventions on Sustainable Crop Productivity Under Changing Climate Conditions	Indian Society for Plant Physiology, Pusa, New Delhi and Medicinal & Aromatic Plants Association of India (MAPAI), Boriavi, Anand	State	17 <sup>th</sup> January 2012
24.	Science Utsave- 2011. XXV Gujarat Science Congress	Gujarat Council of Science City, Department of Science and Technology, Government of Gujarat and Gujarat Science Academy	State	26 <sup>th</sup> February to 3 <sup>rd</sup> March, 2011
25.	Systematic Research Methodologies Involved in Medicinal Plant Research	Indukaka Ipcowala Collage of Pharmacy, New Vallabh Vidhyanagar	National	10 <sup>th</sup> – 12 <sup>th</sup> March, 2011
26.	National Campaigns in Ayurveda	Ayurveda contraceptive Drug Research Institute, Ahmedabad. In Association with Government Akhandanand Ayurveda Collage, Bhadra, Ahmedabad	State	3 <sup>rd</sup> February, 2011
27.	Evolving Paradigm to Improve Productivity from Dynamic Management and Value Addition for Plant Genetic Resources	Department of Botany, University School of Sciences, Gujarat University, Ahmedabad	NATIONAL	13 <sup>th</sup> to 15 <sup>th</sup> October, 2011
28.	“Nano-HPLC: Theory and Practice”,	Institute of Research and Development, Gujarat Forensic Science University	State	24 <sup>th</sup> January, 2011
29.	Biodiversity Conservation: Challenges Ahead	Department of Botany, Department of Zoology, Environmental Science Programme, Faculty of Science, The Maharaja Sayajirao University of Baroda	National	18 <sup>th</sup> -20 <sup>th</sup> December, 2010
30.	Current Trends in Microbiological Science	Department of Microbiology, Gujarat University, Ahmedabad	State	23 <sup>th</sup> - 24 <sup>th</sup> January, 2010
31.	Advances in Genetics and Application of Molecular Markers in Botany	Department of Botany, University School of Sciences, Gujarat University, Ahmedabad	State	7 <sup>th</sup> - 12 <sup>th</sup> September, 2009

32.	Scouting Document and Dissemination of Grassroot Innovation and Tradition Knowledge-2009	Department of Botany, University School of Sciences, Gujarat University, Ahmedabad and National Innovation Foundation, Ahmedabad	State	16 <sup>th</sup> July, 2009
33.	<i>Badalta Paryavaran Aur Bigadta Prakrutik Santulan</i>	Indian Science Congress (Baroda Chapter), Vigyan Parishad (Baroda Chapter), Indian Society of Genomics (Baroda Chapter), Central Pollution Control Board (West Zone) and Department of Botany, Faculty of Science, The Maharaja Sayajirao University of Baroda	National	14 <sup>th</sup> November, 2009
34.	Science Excellence-2009	Department of Botany, University School of Sciences, Gujarat University, Ahmedabad and Gujarat Council in Science and Technology (GUJCOST) Gandhinagar	State	10 <sup>th</sup> January, 2009
35.	Plant Improvement Through Biotechnology and Mutational Breeding	Department of Botany, University School of Sciences, Gujarat University, Ahmedabad	State	20 <sup>th</sup> – 24 <sup>th</sup> January, 2009
36.	Environment Education and Disaster Risk Management	Botany Department, M. G. Science Institute, Ahmedabad	State	28 <sup>th</sup> – 29 <sup>th</sup> January, 2009

## • Publications

### ➤ Books

Sr. No.	Title of the Book	Publisher	Month and Year of Publication	ISBN
1	Physicochemical interventions on Ajwain	Scholars' Press, Germany.	2018	978-620-2-31888-4
2	Biology of the cell, Biotechnology-103	Nirav Prakashan, Academic Publisher	2017	978-93-86565-64-8
3	Master mind solution series, B.Sc. Sem IV, Botany CC-204	Dotcom Publications (Education Publisher)	2018	978-93-87861-07-7
4	Master mind solution series, B.Sc. Sem IV, Botany CC-205	Dotcom Publications (Education Publisher)	2018	978-93-87861-06-0
5	The living world, Biotechnology-101	Nirav Prakashan,	2017	978-93-

		Academic Publisher.		86565-29-7
6	Botany 101, B.Sc. Sem-I	Nirav Prakashan, Academic Publisher.	2017	978-93- 86565-34-1
7	Production Horticulture	Dotcom Publications (Education Publisher)	2017	978-93- 85056-98-7
8	Master mind solution series, B.Sc. Sem VI, Botany CC-307	Dotcom Publications (Education Publisher)	2017	978-93- 85056-88-4
9	Master mind solution series, B.Sc. Sem VI, Botany CC-309	Dotcom Publications (Education Publisher)	2017	978-93- 85056-90-1
10	Master mind solution series, B.Sc. Sem II, Botany CC-103	Dotcom Publications (Education Publisher)	2017	978-93- 85056-97-0
11	Master mind solution series, B.Sc. Sem VI, Botany CC-308	Dotcom Publications (Education Publisher)	2017	978-93- 85056-89-5
12	Master mind solution series, B.Sc. Sem VI, Botany CC-310	Dotcom Publications (Education Publisher)	2017	978-93- 85056-91-8
13	Laboratory manual in Biotechnology with viva-voce	Nirav Prakashan, Academic Publisher.	2016	93-85103-92- X
14	Climbers in urban setup: An indispensable element	Scholars' Press, Germany	2016	978-3-659- 83790-6
15	Effect of Chemicals on Growth and cut flower of <i>Tithonia rotundifolia</i> Blake	Lap Lambert Academic Publishing	2016	978-3-659- 88373-6
16	Biochemical estimations of <i>Chrysanthemum coronarium</i> L and <i>Gaillardia pulchella</i> Foug	Scholars' Press, Germany	2016	978-3-659- 83874-3
17	physiological changes during petal senescence in <i>Tithonia rotundifolia</i> Blake	Lap Lambert Academic Publishing	2016	978-3-659- 90520-9
18	Oxidative stress during petal senescence in <i>Chrysanthemum</i>	Scholars' Press, Germany	2016	978-3-659- 83954-2

	<i>coronarium</i> L and <i>Gaillrdia pulchella</i> Foug			
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➤ **Research Articles/Papers**

Title of the Paper	Name of the Journal	Volume & Issue of the Journal	ISSN of the Journal	State/ National/ International
Qualitative and Quantitative Secondary metabolites of <i>Anethum graveolens</i> L.	Journal of Emerging Technologies and Innovative Research	5 (9): 43-48	2349-5162	International
<i>in vitro</i> cultivation of medicinal plant <i>Anethum graveolens</i> L.	Journal of Emerging Technologies and Innovative Research	5 (9): 886-891	2349-5162	International
In vitro Micropropagation of <i>Stevia rebaudiana</i> (Bert.),	Journal of Emerging Technologies and Innovative Research	5 (9): 118-132	2349-5162	International
Effect of Various Basal Salts on in vitro growth of <i>Stevia rebaudiana</i> (Bert.)	Journal of Emerging Technologies and Innovative Research	5 (9): 1038-1044	2349-5162	International
Changes in phenolic content during senescence of <i>Tithonia rotundifolia</i> Blake cut flower	International Journal of Plant, Animal and Environmental Sciences	8 (2): 64-67	2231-4490	International
Role of Microbial Induced Calcite Precipitation in Sustainable Development	Annals of Biological Research	9 (1): 7-17	0976-1233	International
Role of Biofertilizer in Sustainable Agriculture	<i>Vidya</i>	21-26	2321-1520	State
Effect of chemical preservative on water relation and vase-life of <i>Tithonia rotundifolia</i> Blake Cut flower	<i>Annals of biological Research</i>	7 (1):27-30	0976-1233	International
Effect of chemical preservatives on shelf life of <i>Cosmos sulphreus</i> cav. Cut flower	<i>International Journal of Advanced Research</i>	4(11), 1467-1471	2320-5407	International

Effect of ethylene on petal senescence	Annals of biological Research	7 (5): 43-45	0976-1233	International
Antioxidant and cytotoxic activity of <i>Commiphora mukul</i> (GUGGUL) extracts against <i>Hela</i> Cell-line	<i>International journal of advanced research</i>	4(5): 1258-1267	2320-5407	International
Partial purification and optimization of chitinase form <i>Bacillus</i> sp.	<i>J. Microbiol. Biotech. Res.</i>	6 (1): 1-8	2231 – 3168	International
<i>in vitro</i> shoot multiplication of <i>Stevia rebaudiana</i> (bert) through plant tissue culture	<i>International Journal of Advanced Research</i>	4(11): 2300-2307	2320-5407	International
Phenolics and Petal Senescence in Uncut Flower Petals of <i>Tithonia rotundifolia</i> Blake	<i>International Journal of Science and Research</i>	4(7):2133-2134	2319-7064	International
Role of Total Protein in Petal Senescence of <i>Chrysanthemum coronarium</i> L. Uncut Flower Petals	<i>International Research Journal of Humanities, Engineering and Pharmaceutical science</i>	2 (8): 74-78	978-81-909047-9-7	International
<i>In vitro</i> Pollen Germination – A Review”	<i>International Journal of Science and Research</i>	3(5): 304-307	2319-7064	International
Study for tree enumeration of Attarsumbarange, Gandhinagar forest Division, India	<i>International Journal of Innovative Research in Science, Engineering and Technology</i>	3(4): 11185-11190	2319-8753	International
Effect of Gibberellins on Seed Germination of <i>Tithonia rotundifolia</i> Blake	<i>International Journal of Innovative Research in Science, Engineering and Technology</i>	3(3): 10680-10684	2319-8753	International
Climbers in Urban Setup –Ahmedabad and Gandhinagar”	<i>Life Science Leaflets</i>	2: 1-8	2277-4297	International
Shoot Multiplication of <i>Bignonia venusta</i> L Through Axillary Bud	<i>Life Science Leaflets</i>	1: 23-26	2277-4297	International
Starch Metabolism During Petal	<i>Indian Botanical</i>	92 (3&4):	2455-7218	National



Senescence in <i>Tagetes erecta</i> L Cut Flowers	<i>Society</i>	169-172		
Petal Senescence in Cut <i>Tagetes erecta</i> L Flower: Role of Phenolics	<i>International Journal of Science, Environment and Technology</i>	1(5): 485 – 490	2277-663X	International
Sugar Metabolism During Ray Florets Senescence in Uncut Flowers of <i>Tithonia rotundifolia</i> Blake	<i>Bioscience Guardian</i>	2 (2): 191-195	2277-9493	National
Petal Senescence in Uncut <i>Tithonia rotundifolia</i> Blake: I-Role of Total Protein	<i>Bioscience Guardian</i>	2 (2): 235-240	2277-9493	National
Petal Senescence in Uncut <i>Tagetes erecta</i> L Flowers: Role of Starch Metabolism	<i>Bioscience Guardian</i>	2 (2): 305-309	2277-9493	National
Petal Senescence in Uncut <i>Tagetes erecta</i> L Flowers: Role of Phenolics	<i>Bioscience Guardian</i>	2 (2): 283-286	2277-9493	National

## • Research Work

### ➤ Projects:

Sr. No.	Minor/Major	Sponsor/Organization	Status (Complete/Running/Proposed)
Nil	Nil	Nil	Nil

## Academic Experience:

### ➤ U.G.

Date: 10/08/2015 to 05/09/2018

Date: 06/09/2018 to till the date

Total Years: 03+

### ➤ P.G.

Date: \_\_\_-\_\_\_ to \_\_\_-\_\_\_

Total Years: Nil

➤ **N.C.C. Officer**

Date: \_\_\_-\_\_\_ to \_\_\_-\_\_\_ Total Years: Nil

➤ **N.S.S. Programme Officer:**

Date: \_\_\_-\_\_\_ to \_\_\_-\_\_\_ Total Years: Nil

➤ **BISAG Expert Lectures :**

Number of Lectures: \_\_\_ Nil \_\_\_\_\_

• **Administrative Experience:**

➤ Designation: \_\_\_\_\_ Nil \_\_\_\_\_

Date: \_\_\_-\_\_\_ to \_\_\_-\_\_\_ Total Years: Nil

• **History of service:**

Sr.No	College Name	From Date	To Date	Order No	Order Date
1	President Science College, Gujarat University	10/08/2015	06/04/2018	-	-
2	President Science College, Gujarat University	07/04/2018-	05/09/2018	Acadamic/adhyapak/4/50040/2018	07/04/2018
3	Gov. Sci. Col., Tharad	06/09/2018-	07/03/2019	૫૩૫/ESC2/GPSC-Botany/2018/8447-8515	30/08/2018
4.	M.N. College, Visnagar	08/03/2019 to	till date	Ushik/ESC2/FE.B./2019/2810-2865	07/03/2019

• **Representation in various Committee (University/Government/ College)**

Name of the Committee	Level	Position	Duration
Internal marks B.Sc.-I to VI	College	Member	2015-18
Cultural activities	College	Member	2015-18

Internal marks B.Sc.- IV	College	Member	2018-19
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