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- **I.D. No:** 140049
- **Mumbai University CONCOL No.:** CONCOL/1924 of 1994 dated 02-04-1994
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- **Personal Profile:**

◆ **Career & Education:**

Degree	Institution	Subjects offered	University	Year of passing	Class with rank
B.Sc	Wilson College Mumbai	Microbiology, Biochemistry & Environmental Science	Mumbai University	1988	First Class with Distinction
M.Sc	Wilson College Mumbai	Biochemistry	Mumbai University	1990	First Class with II nd Rank in the University
Ph.D.	Somaiya College	Botany	Mumbai University	2012	-

Passed **UGC - CSIR NET** examination for **LECTURESHIP** (1989) in Life-Sciences.

◆ **Work experience:**

DEGREE LEVEL: Working for the past 28 yrs (since 17th Sept'1990) in the Dept. of Biochemistry, K.J. Somaiya College of Sc. & Comm.

POST GRADUATE LEVEL: Working as a post graduate teacher in Biochemistry for Mumbai University for the past 23 yrs (since 1995).

◆ **Courses taught:**

1. Biochemistry
2. Nutrition, Food Science, Nutraceutical and Functional Food Product Development, Food Adulteration
3. Biotechnology
4. Microbiology (Microbial Biochemistry and Food Preservation)
5. Medicinal Plant Research and Herbal Medicine, Herbal Cosmetology
6. Environmental Science (Water Purification)

◆ **Membership of Academic bodies:**

1. Member, Faculty of Science, University of Mumbai. (2005 – 2010)
2. Member, Board of Studies in Biochemistry, University of Mumbai. (2005 – 2010)
3. Chairman, Board of Studies in Biochemistry, K. J. Somaiya College of Science and Commerce, Autonomous. (2014 – 2015 onwards)
4. Member, Board of Studies in Biochemistry, Ramnarain Ruia College. (March, 2015)
5. Syllabus forming committee, University of Mumbai, in the subject of Biochemistry (B.Sc. & MSc) and Environmental Biochemistry. (1994 – 2011).
6. Paper setter, Moderator & Examination Committee, University of Mumbai, in the subject of Biochemistry (T.Y.BSc & MSc). (1994 – till date).
7. Paper setter, Moderator & Examination Committee, University of Mumbai, in the subject of Food Science, Nutrition and Food Adulteration (T.Y.BSc). (2005 – till date).
8. Examiner for the Nutrition & Dietetics course of Mumbai University conducted by Nirmala Niketan College of Home Science, Churchgate. (2005 – 2010)
9. Examiner for the Nutrition & Dietetics course of SNDT University conducted by SNDT College of Home Science, Juhu, Mumbai. (2007 – 2010)
10. Chairperson for the 'Food Processing and Preservation' course of Mumbai University conducted by Nirmala Niketan College of Home Science, Churchgate. (2015-till date)
11. Chairperson for the 'Sports Nutrition' course of Mumbai University conducted by Nirmala Niketan College of Home Science, Churchgate. (2015-till date)

◆ **Visiting Faculty:**

1. Visiting faculty for 'Food Processing and Preservation' course at Nirmala Niketan College of Home Science, Churchgate. (2015- till date).
2. Visiting faculty for 'Sports Nutrition' course at Nirmala Niketan College of Home Science, Churchgate. (2015- till date).
3. Visiting faculty for Microbiology, at K. J. Somaiya College of Science & Commerce. (2003 – 2004).
4. Visiting faculty for Microbiology, at K. J. Somaiya College of Science & Commerce. (2003 – 2004).
5. Visiting faculty for Biotechnology, at Institute of Science & K. J. Somaiya College of Science & Commerce. (2005 – 2009)
6. Visiting faculty for the Certificate Course in Laboratory Technology conducted by the Chemistry department of K. J. Somaiya College of Science & Commerce. (2007 – 2011)

RESEARCH EXPERIENCE: 14 years

◆ **Research interests:**

- Food Science and Nutrition
- Nutraceutical and Functional foods
- Medicinal Plant Research & Herbal medicine
- Herbal Cosmetology
- Environmental Science - Water Purification

◆ **Research Guide:**

- Recognized PhD guide in the subject of Biochemistry. (Date of recognition: 7th May 2015)
- Recognized Research Guide for M.Sc. (by Research) in the subject of Biochemistry. (Date of recognition – 3rd Dec' 2002).
- Presently guiding/enrolled one M.Sc. by research student.

- Recognized Research Guide for the MSc II students (by Paper) in the subject of Biochemistry. (Date of recognition – 3rd Dec' 2002)

◆ **List of Dissertations Guided:**

147 students have submitted their M.Sc-Dissertations from June'2003 till April'2018.

Sr. No.	Academic Year	Title of the project	Name of the student
1.	2003-2004	Total antioxidant capacity of human plasma by crocin bleaching assay	Mr. Jitesh Paniker
2.	2003-2004	Biochemical analysis of <i>Caesalpinia bonducella</i> seeds	Ms. Barkhan Patel
3.	2003-2004	Comparision of single and dual platform methods for enumeration of CD34 ⁺⁺ hematopoietic stem and progenitor cells	Ms. Niyati Dave
4.	2003-2004	Insulin hypersensitivity in Hypertension	Ms. Sangeeta Gautam
5.	2003-2004	The effect of endogenous transforming growth factor beta on the induction of radio resistance in human mammary adenocarcinoma tumor cells	Mr. Amol Gondhalekar
6.	2003-2004	GAL -1 disruption in yeast strain S6444C gal & MAT alpha by homogenous recombination	Ms. Sila Francis
7.	2003-2004	Antioxidant and immunomodulatory properties of an aqueous extract of <i>Tribulus terrestris</i>	Ms. Mriganka Awati
8.	2003-2004	Alpha galactosidase from germinating low dose radiation processed moong seeds.	Ms. Bazilia Luis
9.	2003-2004	Genetic mapping of the gic DI affecting growth of <i>E.coli</i> in cold.	Mr. Harshal Inamdar
10.	2003-2004	Analysis of construct stability of an OGP encoding cDNA.	Ms. Arati Save
11.	2004-2005	Partial purification and characterization of a serine protease from senescent spinach under HALT stress	Ms. Archana Vijaykumar
12.	2004-2005	Phytochemical fingerprinting of <i>Mangifera indica linn.</i>	Ms. Dipti Upadhye
13.	2004-2005	Study of wide spectrum antimicrobial activity of <i>Mangifera indica linn.</i>	Ms. Pragya Mishra
14.	2004-2005	Detection and characterization of apoptosis by flow cytometry amd immunohitochemistry	Ms. Sharvari Bhalerao
15.	2004-2005	Estimation of various mineral content in <i>Mangifera indica linn.</i>	Ms. Swati Kambli
16.	2004-2005	Photochemical evaluation of <i>Mangifera indica linn.</i>	Ms. Shraddha Bisht
17.	2004-2005	Optimization of extraction conditions of <i>Mangifera indica linn.</i>	Mr. Vikram Adke
18.	2004-2005	Proximate analysis of <i>Mangifera indica linn.</i>	Mr. Pravin More
19.	2004-2005	Estimation of non-enzymatic antioxidants	Mr. Abhishek Parab

		from <i>Annona squamosa linn.</i>	
20.	2005-2006	Estimation of non-enzymatic antioxidants from <i>Ficus racemosa linn</i>	Ms. Heena Shah
21.	2005-2006	Estimation of non-enzymatic antioxidants from <i>Caesalpinia bonducella linn</i>	Ms. Bijal Trivedi
22.	2005-2006	Optimization of extraction conditions of some Indian medicinal plants	Ms. Shetal Shah
23.	2005-2006	Quantitative estimation of photochemicals in <i>Fiscus racemosa linn</i>	Ms. Madhavi Singh
24.	2005-2006	Proximate analysis of <i>Fiscus racemosa linn</i>	Ms. Janki Venkat
25.	2005-2006	Estimation of secondary metabolites of <i>Fiscus racemosa linn</i>	Ms. Supriya Mhatre
26.	2005-2006	Proximate analysis of <i>Caesalpinia bonducella linn</i>	Mr. Yogesh Thorat
27.	2005-2006	Complete photochemical study of <i>Caesalpinia bonducella linn</i> using HPTLC fingerprinting.	Mr. Alora Vaz
28.	2005-2006	Heavy metal analysis of Indian medicinal plants	Mr. Murtaza Shipcandler
29.	2005-2006	Mineral analysis of Indian medicinal plants	Ms. Deepali Landge
30.	2006-2007	Comparative study of sprouted and nonsprouted forms of two pulses (<i>Pisum sativum</i> & <i>Vigna unguiculata</i>)	Mr. Domnic Alvares
31.	2006-2007	Qualitative analysis of essential oils from some Indian medicinal plants	Mr. Vipul Halbe
32.	2006-2007	Qualitative analysis of <i>Curcuma longa linn</i> and <i>Zingiber officinale rosae</i> using HPTLC fingerprinting	Mr. Pritesh Patel
33.	2006-2007	Comparative study of plants grown in fields near the railway tracks.	Ms. Deepti Bhabal
34.	2006-2007	Assessment of nutritional status of Button mushroom (<i>agaricus bisporus</i>) & Oyster mushroom(<i>Pleurotus ostreatus</i>)	Ms.Avril Borges
35.	2006-2007	Study of antimicrobial activity of <i>Annona squamosa linn</i>	Ms. Yogita Jhangale
36.	2006-2007	Invitro estimation of superoxide dismutase in plant extracts of <i>Caesalpinia bonducella linn</i> , <i>Annona squamosa linn</i> & <i>Ficus religiosa</i>	Ms. Pradnya Kamble
37.	2006-2007	Invitro estimation of superoxide dismutase in plant extracts of <i>Mangifera indica linn.</i>	Ms. Shweta Narayanswami
38.	2006-2007	Study of antimicrobial activity of <i>Citrus limonum risso</i>	Ms. Dipti Phatarpekar
39.	2006-2007	Comparative study of railway track soil which is used for cultivation	Ms. Shilpa Ranpise
40.	2007-2008	Cooking effects on trypsin inhibitor activity in various pulses	Mr. Dharmil Pitwa
41.	2007-2008	Determination of efficient method for extraction method for lycopene from tomato	Ms. Bhanu Iyer

42.	2007-2008	Effects of variation in extracting solvents on total polyphenol content in green and black tea	Ms. Ashitha Rodrigues
43.	2007-2008	Estimation of trypsin inhibitor activity in various flours and their combination	Mr. Sateesh Kusuma
44.	2007-2008	Invitro study of Hydroxyl radical scavenging activity of some selected medicinal plants	Ms. Gauri Patade
45.	2007-2008	Invitro study of Superoxide scavenging activity of some selected medicinal plants	Ms. Priyamruta Subhandh
46.	2007-2008	Optimization of curcumin extraction using combinations of solvents	Ms. Priyanka Mertia
47.	2007-2008	Quantitative evaluation of nitric oxide scavenging activity of some selected medicinal plants by Griess reaction system.	Ms. Hemangi Tawade
48.	2007-2008	Quantitative estimation of total phenolic content of some medicinal plants	Mr. Jigar Vyas
49.	2007-2008	Quantitative estimation of total antioxidant capacity and reducing power of some medicinal plants	Ms. Mughdha Raote
50.	2008-2009	Evaluation and comparison of total antioxidant activity in some fresh and dry fruits.	Mr. Vinit Sonavane
51.	2008-2009	Evaluation of antimicrobial activity of successive extracts and juice of pomegranate	Ms. Swati Iyer
52.	2008-2009	Changes in the levels of trypsin inhibitor activity in some cereals and vegetables under different cooking conditions	Ms. Khushboo Thakkar
53.	2008-2009	Comparative evaluation of antioxidant levels of fruit and juices	Ms. Amisha Shah
54.	2008-2009	Evaluation of changes in oxalate and phytate content of natural food sources under various processing conditions.	Ms. Pooja Zaware
55.	2008-2009	Heavy metal analysis of some Indian medicinal plants.	Mr. Vikas Trivedi
56.	2008-2009	Evaluation of changes in the vitamin levels of some vegetables under cooking conditions	Ms. Snehal Tupe
57.	2008-2009	Comparative study of variation in nutritional status of some vegetables under different storage and packaging conditions	Ms. Shraddha Rege
58.	2008-2009	Estimation of secondary metabolites from different parts of <i>Musa paradisiaca</i>	Ms. Neetu Singh
59.	2008-2009	Fortification of whole wheat flour	Mr. Purav Hazariwala
60.	2009-20010	Assessment of nutritional status of pumpkin, muskmelon and lotus seeds	Ms. Anuja Aykar
61.	2009-20010	Invitro antimicrobial and photochemical screening of leaf extracts of <i>Azadirachta indica</i> linn	Ms. Heena Bhagtani

62.	2009-2010	Evaluation of antioxidant capacity during processing of some natural food sources.	Ms. Sujata Birua
63.	2009-2010	Optimization of extraction conditions and preliminary phytochemical screening of some Indian medicinal plants	Ms. Swati Khot
64.	2009-2010	Estimation of non-enzymatic antioxidants from medicinal plants	Ms. Shazia Mustaq
65.	2009-2010	Evaluation of combination effect on antioxidant activity of some medicinal plants	Mr. Dhawal Patel
66.	2009-2010	Comparative phytochemical study of some medicinal plants using HPTLC fingerprinting	Ms. Rini Ravindran
67.	2010-2011	Biochemical evaluation of different forms of wheat	Ms. Dhanashree Amane
68.	2010-2011	Preparation and proximate analysis of nutribars and ready mixes	Ms. Dhara Waghela
69.	2010-2011	Preparation and proximate analysis of low fat – high protein , high energy & high fibre cookies	Ms. Riddhi Sha
70.	2010-2011	Analysis of soil from different fields	Mr. Muzammil Wagh
71.	2010-2011	Determination of percent yield and evaluation of resistant property of starch isolated from various sources	Mr. Yogesh Kolge
72.	2010-2011	Comparative study of nutritional status of fresh homemade soups and commercially available ready to cook soups	Ms. Reena Kulkarni
73.	2010-2011	Study of antioxidant capacity of tea and spiced tea	Ms. Shnehal Tajane
74.	2010-2011	Study of antioxidant capacity of some mocktails	Ms. Himani Chauhan
75.	2010-2011	Assessment of potability of drinking water sample from parts of India and development of efficient methods for household management of potability of water.	Mr. Jalston Sutari
76.	2011-2012	Development of Nutritive and antioxidant rich yoghurt.	Ms. Saeema Khan
77.	2011-2012	Development of Nutritive and antioxidant rich chocolates.	Ms. Iffat Sheikh
78.	2011-2012	Studies on invitro antioxidant activities of different varieties of wheat sample.	Ms. Zarin Sheikh
79.	2011-2012	Assessment of water sample to increase its potability by using <i>Hibiscus rosa sinensis</i> plant extract.	Ms. Lobhana Javalkar
80.	2011-2012	Assessment of water sample to increase its potability by using <i>Moringa Oleifera</i> pods.	Ms. Ruchita Bhatt
81.	2011-2012	Invitro antioxidant and free radical scavenging activity of methanolic extracts of some edible flowers.	Mr. Ankur Yadav

82.	2011-2012	Assessment of water sample to increase its potability by using natural coagulant <i>Elletaria cardmomum</i> seed extract.	Mr. Manish Yadav
83.	2012-2013	Isolation and verification of isoenzyme pattern/s of β -amylase from various sources.	Ms. Jyoti Mishra
84.	2012-2013	Evaluation of relation between glycemic index, total starch content and total crude fiber content of different beans and pulses.	Ms. Harshali Jagtap
85.	2012-2013	Isolation and estimation of lycopene from different varieties of tomatoes and watermelons.	Mr. Swapnil Huddar
86.	2012-2013	Stability studies of some Indian medicinal plant powders.	Mr. Ashish Kumar Gautam
87.	2012-2013	Estimation of amount of sodium and potassium in some ready to eat food products by flame photometry.	Mr. Abhinay Manjrekar
88.	2013-2014	Invitro antioxidation study of some commercially available essential oils.	Ms. Ayesha Ansari
89.	2013-2014	Evaluation of antioxidant properties in four types of flours and in some herbs.	Ms. Gauri Kadam
90.	2013-2014	Proximate and biochemical analysis of some cosmetically important plants.	Mr. Vikas Naik
91.	2013-2014	Evaluation of preliminary phytochemical and invitro antibacterial activity of some cosmetically important medicinal herbs.	Ms. Ankita Vichare.
92.	2013-2014	Evaluation of antioxidant properties in different plant extracts for herbal cosmetics.	Ms. Gauri Parab
93.	2013-2014	Optimisation of extraction condition and preliminary phytochemical screening of some Indian medicinal herbs	Ms. Swapnil Adsule
94.	2013-2014	Development and evaluation of nutritionally and antioxidant rich ice creams	Mr. Harshad Sawant
95.	2013-2014	Nutritional assessment of some edible seeds	Ms. Khushboo Modi
96.	2013-2014	Enhancing the potability of drinking water using natural resources	Ms. Prajakta Desai
97.	2014-2015	Development of a strategy using natural sources for enhancing potability of water.	Ms. Chitra P. Nair
98.	2014-2015	Enhancing the potability of water using various natural resources.	Ms. Zinat Afrin
99.	2014-2015	Development of antioxidant rich fresh fruit jellies.	Ms. Neelam Tarde
100.	2014-2015	Development of herbal hand sanitizer.	Ms. Shruti Jagtap
101.	2014-2015	Preparation and proximate analysis of nutritionally rich rock chocolate.	Ms. Juli Fernandes
102.	2014-2015	Formulation and antimicrobial study of herbal hair oil.	Mr. Kapil Yadav
103.	2015-2016	Development And Analysis Of Multi-Nutrient Green Chutney	Ms.Aishwarya Ghaisas
104.	2015-2016	Development And Nutritional Assessment	Ms. Bhakti Hardikar

		Of Finger Millet Cookies.	
105.	2015-2016	Formulation And Preparation Of Nutritionally Rich Yogurt Popsicles	Ms. Nishma Kotekar
106.	2015-2016	Development And Assessment Of Nutritive Energy And Antioxidant Rich Dry Fruit Chocolate Bar	Ms. Kinnari.Y.Joshi
107.	2015-2016	Development And Evaluation Of Dates Chocolate	Ms. Apurva Kulkarni
108.	2015-2016	Formulation And Evaluation Of Nutrition Rich Nutrisure Powder	Mr. Vikrant Mahamuni
109.	2015-2016	Development And Evaluation Of Antioxidant Rich Fresh Fruit Agar Jellies	Mr. Kamlesh C. Patade
110.	2015-2016	Development And Assesment Of Antioxidant Rich Herbal Tea	Ms.Sayali Patgaonkar
111.	2015-2016	Development And Assessment Of Nutritionally Rich Sprouted Wheat- Finger Millet Halwa	Ms. Kritika. M. Prabhu
112.	2015-2016	Development And Assessment Of Nutritionally Rich Oats Cookies	Ms.Neha V. Thite
113.	2015-2016	Development And Assessment Of Nutritionally Rich Biscuits	Ms. Nidhi Vadodaria
114.	2015-2016	Formulations And Preparation Of Paan Shots	Mr. Suraj Vaishya
115.	2016-2017	Extraction of biodiesel for waste oil	Maulik Doshi
116.	2016-2017	Development and evaluation of carrot cake premix	Ashwini A. Gangurde
117.	2016-2017	Development and evaluation of sugar free chocolate cake	Clarissa Gouria
118.	2016-2017	Development and assessment of energy rich choco delight cereal bar.	Shefali. S. Karande
119.	2016-2017	Development and evaluation of fibre rich sweet potato chips	Naela Khan
120.	2016-2017	Development of chocolate dripping banana brownie and its nutritional analysis	Azellia Dominica Lopes
121.	2016-2017	Development and evaluation of antifungal jaggery	Sanjeevani More
122.	2016-2017	Comparative nutritional analysis of various jaggery types and development & evaluation of a fibre-rich choco-jaggery bar	Sara Majeed Mukadam
123.	2016-2017	Development and evaluation of antioxidant rich vegetable jam	Poonam Pandey
124.	2016-2017	Formulation and evaluation of Gluten-free chocolate balls	Priti Pandey
125.	2016-2017	Bioplastic	Tauseef Rizvi
126.	2016-2017	Estimation of total antioxidant activity of fenugreek on induction of zinc stress	Sanyukta Suresh Shirsat
127.	2016-2017	Development and assessment of Dark chocolate glazed barley doughnut	Bushra Siddique
128.	2016-2017	Development and evaluation of flaxseed	Shehnila Siddique

		chocolate	
129.	2017-2018	Development and evaluation of starch based bio-plastic from various plant sources.	Mr. Kiran Mukund Aradale
130.	2017-2018	Antimicrobial activity of plants against organisms causing bedsore	Ms. Aditee V. Bandekar
131.	2017-2018	Statistical correlation between age, blood glucose and blood cholesterol level of one the suburb of mumbai.	Mr. Rahul P Chavan
132.	2017-2018	Recipe development and nutritional analysis of cow colostrum	Ms. Sukanya Chavan
133.	2017-2018	Development of nutritious fodder for cattles.	Ms. Dutta Soma Anupkumar
134.	2017-2018	Development of nutritious vegan replacement for cow milk	Ms. Manisha Maruti Harne
135.	2017-2018	Nutritional and anti-nutritional analysis of edible seeds	Ms. Jaorawala Humaira Tazeen
136.	2017-2018	Development of antioxidant rich piper betel coconut bites and its nutritional analysis	Ms. Laxmi Jawahar Kakhandki
137.	2017-2018	Study of compost and vsm and their effects as biofertilizers	Mr. Shreemant Muni
138.	2017-2018	Blending of different brands of vegetable oils with the addition of various enriching materials	Mr. Padhi Shrihari Parikshit
139.	2017-2018	Purification of domestic waste water	Mr. Kunal D Palan
140.	2017-2018	Development and evaluation of gluten free brownie	Ms. Krutika Panda
141.	2017-2018	Profiling of different varieties of coconut water and development of recipe (coconut jelly)	Ms. Renuka Mahendra Salve
142.	2017-2018	Profiling of different types of mango pulp	Ms. Sanjana Gangaram Sanaye
143.	2017-2018	Purification of water using natural resources	Ms. Drashti D Shah
144.	2017-2018	Development of biostable additive for wall paints by using plant extracts	Ms. Shailaja D. Shinde
145.	2017-2018	Study of antimicrobial activity of various essential oils	Mr. Sutar Sampat Shivilal
146.	2017-2018	Antioxidant rich face pack	Ms. Pallavi Wadagbalkar
147.	2017-2018	Development of antioxidant rich moringa soup and it's nutritional analysis	Ms. Aishwarya Ramesh

◆ **Research Projects Undertaken / Completed (As a Principal Investigator):**

Sr. No.	Title	Agency	Period
1.	Biochemical analysis & preliminary wide spectrum antimicrobial investigation of <i>Mangifera indica</i> Linn.	Mumbai University	2004-2005 completed
2.	Preliminary systematic study of <i>Caesalpinia bonducella</i> seed extract and development of it's	UGC Minor Research	2004 – 2006 completed

	phytochemical fingerprint	Projects	
3.	Phytochemical analysis of some Indian medicinal plants using HPTLC fingerprinting	Mumbai University	2006 – 2007 completed
4.	Quantitative estimation of essential oil content of some Indian medicinal herbs.	Mumbai University	2007 – 2008 completed
5.	Effect of cooking on the antinutrient levels in some commonly used pulses.	Mumbai University	2008 – 2009 completed
6.	Biochemical evaluation of <i>Mimosa pudica</i> Linn.	UGC Minor Research Projects	2008 – 2010 completed
7.	Comparative study of variation in nutritional status of some vegetables under different storage and packaging conditions	Mumbai University	2010 – 2011 completed
8.	Development of nutritive and antioxidant rich chocolates and yoghurts	Mumbai University	2013 – 2014 Completed
9.	Development of Herbal Hand Sanitize	Mumbai University	2016-2017 Completed

◆ **Research Papers presented at National / International Conferences / Seminars:**

Sr. No.	Title of the Paper presented	Title of Conference/Seminar	Date of the event	Organized by	Whether International/ National/ State/ Regional College or University level
1.	Recent trends in the levels of Insulin, glycosylated haemoglobin and lipid profile in type2 diabetic Indian patients.	Asian Pacific Congress of Clinical Biochemistry (APCCB).	18 - 23 Sept' 2004.	Association of Clinical Biochemists of India (ACBI)	International Conference held at Perth , Australia
2.	Comparative study of the nutritional status of Non sprouted and Sprouted pulses, Pisum sativum and Vigna unguiculata.	Medicinal Plant.	26-27' Jan 2005	UGC & Mumbai University	National Conference.
3.	Biochemical & phytochemical analysis of Caesalpinea bonducella	Medicinal Plant.	26-27' Jan 2005	UGC & Mumbai University	National Conference.

	seeds.				
4.	Study of the effect of temperature on transaminase activity of germinating moong seeds.	Medicinal Plant.	26-27' Jan 2005	UGC & Mumbai University	National Conference.
5.	Comparative study of the levels of various phytochemicals and water soluble vitamins in some Indian Medicinal Plants.		9th Dec – 21st Dec.' 2005	Association of Clinical Biochemists of India (ACBI).	National Conference held at Nalanda Medical college, Patna
6.	In-vitro antimicrobial activity of Mimosa pudica and Mangifera indica.		9th Dec – 21st Dec.' 2005	Association of Clinical Biochemists of India (ACBI).	National Conference held at Nalanda Medical college, Patna
7.	Antidiabetic activity and lipid profile studies of aqueous whole plant extracts of Mimosa pudica linn.		24th Nov- 26th Nov' 2006	Association of Clinical Biochemists of India (ACBI).	National Conference, held at Armed Forces Medical College, (AFMC), Pune.
8.	Phytochemical & Antioxidation studies of Mimosa pudica Linn.		17th – 20th Dec'20 07	Association of Clinical Biochemists of India (ACBI).	National Conference, held at Delhi
9.	Phytochemical evaluation and heavy metal analysis of some Indian medicinal plants.	Phytocongress	2010	ICMR sponsored	National Conference
10.	Phytochemical evaluation & Heavy metal analysis of	Phyto-Congress on: Herbs and Herbomineral	6 th & Feb'2010.		International Conference held SASTRA University Thanjavur,

	Some Indian medicinal plants.	formulations.			Tamilnadu, India
11.	Antidiabetic, Phytochemical and <i>In-vitro</i> Antioxidation study of some Indian medicinal plants.	World Conference on Ayurveda (AYU – 2012).	5-8 Jan' 2012.	AYUCON	International Conference held at Pune, India
12.	Phytochemical and In-vitro Antimicrobial study of <i>Cynodon dactylon</i> (Durva).	World Conference on Ayurveda (AYU – 2013).	23rd & 24th February 2013.	AYUCON	International Conference held at Rajkot, India.
13.	Biochemical and Heavy metal analysis of some Indian Medicinal plants.	International Conference on Ayurveda and Yoga.	4th & 5th January 2014.		International Conference held at Dubai (UAE).

◆ **Achievements:**

1. Won the **Best Paper Award** for the paper entitled ‘Comparative study of the levels of various phytochemicals and water soluble vitamins in some Indian Medicinal Plants’ presented at the National Conference organized by the Association of Clinical Biochemists of India (ACBI) at **Nalanda Medical college, Patna.**(18th – 21st Dec’2005)
2. Won the **Best Paper Award** for the paper entitled ‘Antidiabetic activity and lipid profile studies of aqueous whole plant extracts of *Mimosa pudica* linn’ presented at the National Conference organized by the Association of Clinical Biochemists of India (ACBI) at the **Armed Forces Medical College (AFMC), Pune.** (23rd – 26th Nov’2006).
3. Recognition of Outstanding performance in research for the academic year 2013-2014 by Somaiya Vidyavihar. (Ekatva’ 2014).
4. Zee 24 Taas media Coverage of “**Nutritional Awareness Programme**” organized under Vigyan Yagnya. (<https://www.youtube.com/watch?v=XmdjC7fNAL0>)
5. Zee 24 Taas “**Young Innovators award**” for the year 2016-2017 was won by a group of PG students working on a project titled “Biodegradable Polymer” under the guidance of Dr. S. M. Pawasakar. (<https://www.youtube.com/watch?v=tu-QKdEnBgA>)
6. Article titled “Why Pharma Taking Interest in Nutraceutical Industry?” published in Pharma Bio World. February 2017. Pg 35-36
7. Interview on Aakash Vani 106.5 FM Gold was aired on 10th January’2018 as a part of publishing Nutritional awareness program.
8. Was interviewed by Yuva Shakti programme 100.1 FM Gold was aired for the “Swachha Bharat – Swastha Bharat ” Abhiyan organized.

◆ **Invited Speaker / Chairing the session / Judge:**

1. Invited Guest Speaker to express views on Innovative Research in Biochemistry at the Live talkshow on Doordarshan ' Lokmanas', on Innovative research in India. (25th Nov '2011).
2. Chaired a scientific session at the ACBI National Conference, World Trade Centre, Cuff Parade, Mumbai. (15th & 16th Dec '2010)
3. Judge at 'Manshodhan', Research project presentation competition in Chemistry, Pharmacology and Biosciences held in Mithibai college, Mumbai. (2009, 2010 & 2011)
4. Judge at Swarna Tarang, Junior college Science project exhibition in K.J.Somaiya college of Sci. & Comm., Vidyavihar, Mumbai. (14th Dec '2010)
5. Judge at Distric level Interschool Research project presentation competition in DAV School, Bhandup, Mumbai. (2009-2010)
6. Judge at Science exhibition, Abhay International School, Vikhroli, Mumbai. (2014-2015).
7. Was invited as a resource person to conduct a session on "Research and consultancy promotion" at the "Academic Excellence and Autonomy" a workshop organized by Mithibai college at Uttan on 7th April 2018.
8. Was invited as a resource person for Panel discussion on autonomy on 13th July 2018 to Dr. BMN College of Home Science, Matunga.

◆ **Workshops / Seminars / Conferences / Certificate Course Conducted:**

1. Organized an intercollegiate, one day seminar & poster competition for the undergraduate & postgraduate students on " **The art of Healthy Living** " as a part of National Nutritional Week celebrations in India .(3rdSept 2004).
2. **Joint Organizing Secretary for the U.G.C. sponsored National Conference on ' Recent Trends in Biosciences and it's application in Industry'** organized by K. J. Somaiya College of Science & Commerce.(5th & 6th Dec'2008).
3. Organized the Annual Intercollegiate Health festival, 'Health Fair – Food Fest' 2009, 2010, 2011, 2013, 2015, 2016
4. Organizing Secretary for Geology, **GIS-RST International conference** organized by K. J. Somaiya College of Science & Commerce. (25th, 26th & 27th April'2013).
5. Organized 'Abhyas Mahotsav' for Graduate & Post Graduate students of Biochemistry, (Intercollegiate) at K. J. Somaiya College of Science & Commerce. (2nd February to 5th February'2015).
6. Organized a lecture series by eminent Doctors under "Swasthya Mahotsav – January & December 2016" & Health camp under "Routine Biochemical tests – January & December 2016".
7. Organized Nutritional awareness program on 11, 12, 13 January 2018 under the banner of "Health Fair 2018" in association with Maker mela.
8. Organized different workshops under "Swasthya Mahotsav" on 12th and 13th January 2018.
9. Organized one week drive/Abhiyan on the Government of India theme "Swachha Bharat – Swastha Bharat " under the community outreach program, from 24th September 2018 to 29th September 2018.

◆ **Research Publications:**

I) Research Papers Published in Reputed Research Journals:

1. S. M. Pawaskar and K.U. Kale. 2006. Antibacterial activity of successive extracts of *Mimosa pudica*. Indian Drugs. 43(6); 476–480. **ISSN Number:**0019-462X. **Impact factor (Source):** 0.238 (SJR).
2. Pawaskar S. M. and Sasangan K. C. 2015. *In vitro* antimicrobial activity of *Cynodon dactylon* (L.) Pers. leaf extracts. Antimicrobial activity by zone of inhibition estimation.

Indian Drugs. 52(4); 37-41. **ISSN Number:** 0019-462X. **Impact factor (Source):** 0.119 (SJR).

3. Nusrat Ansari and Samidha Pawaskar. 2016. Antimicrobial activity of leaf extracts of *Mangifera indica*, *Murraya koenigii* and fruit rind extract of *Punica granatum*. Bionano Frontier. 9(2); 2320–9593. **ISSN Number:** P- 0974-0678, E- 2320-9593. **Impact factor (Source):** 4.856 (SJIF).

Research Abstracts Published in Conference Proceedings:

1. Comparative study of the levels of various phytochemicals and water soluble vitamins in some Indian medicinal plants, Samidha Pawaskar, Supriya Mhatre, Madhavi Singh, Bijal Trivedi, Yogesh Thorat, Alora Vaz, 32nd ACBICON, 2005.
2. *Invitro* Antimicrobial activity of *Mimosa pudica* and *Mangifera indica*, Samidha Pawaskar, K. Kale, Pragya Mishra, Janki Venkat, Heena Shah, Shraddha Bisht, 32nd ACBICON, 2005.
3. Antidiabetic activity and lipid profile studies of aqueous whole plant extract of *Mimosa pudica* Linn., Ms. Samidha Pawaskar and Dr. Kumud Kale, 33rd ACBICON, 2006.
4. Evaluation of the total Antioxidant capacity and reducing power of some selected plants, Samidha Pawaskar and Mugdha Raote, National conference on Recent trends in Biosciences and Applications in Industry, 2008.
5. Heavy metal analysis and HPTLC fingerprinting of some Indian medicinal plants, Samidha Pawaskar, K.C Sasangan and Vikas Trivedi, National conference on Recent trends in Biosciences and Applications in Industry, 2008.
6. Evaluating changes in the vitamin levels of some vegetables under cooking conditions, Samidha Pawaskar and Snehal Tupe, National conference on Recent trends in Biosciences and Applications in Industry, 2008.
7. Changes in the level of trypsin inhibitor activity (TIA) in some cereals and vegetables under different cooking conditions, Samidha Pawaskar and Khushboo Thakkar, National conference on Recent trends in Biosciences and Applications in Industry, 2008.
8. Evaluation and variation in Antioxidant activity in fresh fruits and fruit juices, Samidha Pawaskar, Amisha Shah and Vinit Sonavane, National conference on Recent trends in Biosciences and Applications in Industry, 2008.
9. Study of Antimicrobial activity of successive extracts of *Punica granatum* (Pomegranate), Samidha Pawaskar and Swathi Iyer, National conference on Recent trends in Biosciences and Applications in Industry, 2008.
10. Phytochemical evaluation and heavy metal analysis of some Indian medicinal plants; Samidha Pawaskar and Sasangan K.C, Phytocongress, 2010, ICMR sponsored.

◆ Workshops / Seminars / Conferences attended:

1. UGC sponsored workshop for Biochemistry teachers at SIES College. (21st & 22nd Feb' 2002)
2. UGC sponsored, one day workshop on Bioinformatics at Abeda Inamdar Senior College for Girls, Pune. (4th Oct'2002)
3. Mumbai University sponsored workshop for biochemistry teachers at K.J.Somaiya College of Science & Commerce. (29th Jan – 1st Feb' 2003)
4. Two day workshop on 'Genetics' organized by Lokmanya Tilak Medical College. (11th & 12th July'2003)
5. UGC sponsored ' Career Oriented Course at First Degree Level in Colleges' at Ramnarain Ruia College. (27th Sept'2003)

6. UGC sponsored, three day, National seminar on 'New Millennium Strategies for Quality, Safety & GMPs of Herbal Drugs/ Products' organized by National Botanical Research Institute (NBRI) at Lucknow. (11th - 13th Nov' 2003)
7. Convention on 'Nutrition & Health for All' organized by Smt. P. N. Doshi Women's College & Protein Foods & Nutrition Development Association of India. (23rd & 24th Nov'2003)
8. Mumbai University sponsored orientation programme in 'Entrepreneurship Development in the field of Plant Products' at K.V. Pendharkar College. (13th - 14th Dec'2003)
9. International Conference in Perth , Australia ,organized by Asian Pacific Congress of Clinical Biochemistry.(18th - 23rd Sept'2004)
10. Attended a one day seminar on "Carriers in Biotechnology" at UICT, Mumbai organized by Biospectrum (10th Dec 2005).
11. National seminar on 'Medicinal Plants' organized by University of Mumbai & K.V. Pendharkar College.(22nd - 24th Jan'2005)
12. One day seminar on ' Research activities in the University Departments and Affiliated Colleges'organized by University of Mumbai. (28th Sept' 2005)
13. Workshop on ' Laboratory Quality Control' organized by Seth GS Medical College &
14. KEM Hospital. (15th Dec'2005)
15. National Conference organized by the Association of Clinical Biochemists of India
16. (ACBI) at Nalanda Medical college , Patna.(18th - 21st Dec'2005)
17. International Symposium on ' Preventive and Predictive Molecular Diagnostics' held at
18. Reliance Life Sciences, Dhirubhai Ambani Life Sciences Centre. (21st & 22nd Jan'2006)
19. National seminar on ' Development of Innovative Strategies in Higher Academics'
20. organized by St. Xavier's College. (3rd - 5th Feb'2006)
21. National Conference organized by the Association of Clinical Biochemists of India
22. (ACBI), held at the Armed Forces Medical College (AFMC), Pune (23rd - 26th Nov'2006)
23. Workshop on 'Bioinformatics' organized by Dept. of Biochemistry, Institute of Science.
24. (12th Dec'2006)
25. International Symposium Translational Research on " Natural products and Cancer " at
26. Lonavala (9th Dec - 12th Dec'2007).
27. National Conference organized by the Association of Clinical Biochemists of India
28. (ACBI), held in Delhi. (17th - 20th Dec'2007)
29. Attended a two day seminar in 'Food & Nutrition' at the Nirmala Niketan College of
30. Home Science (1st - 2nd Sept' 2008).
31. International Conference on 'Herbs and Herbomineral Formulations organized by the
32. Centre for Advanced Research in Indian Systems of Medicine' (CARISM), Thanjavur
33. (6th & 7th Feb'2010).
34. Phytochemical evaluation and heavy metal analysis of some Indian medicinal plants; Samidha Pawaskar and Sasangan K.C, Phytocongress, 2010, ICMR sponsored.
35. International Conference on 'Ayurveda (AYU 2012) organized by the International Academy of Ayurved, Pune (5th & 8th Jan'2012).
36. International Conference on 'Ayurveda (AYU 2013) organized by Mission Ayurved, Rajkot (23rd & 24th Feb'2013).
37. Attended a one day workshop on 'Credit based Semester and Grading system' for T.Y.B.Sc. & M.Sc. teachers in Biochemistry at Mithibai College (22nd April' 2013)
38. International Conference on 'Ayurveda and Yoga' organized by the International Academy of Ayurveda, Dubai (5th & 6th Jan'2014).

Administrative Experience:

College Administration:

- Dean, Research and Extension from 2015 to 2018
- Head, Department of Biochemistry since 2003
- Convenor / Member of a number of committees such as CAP committee, College examination committee, UGC interface committee, Add on courses committee. Infrastructure maintenance committee, Seminar & workshop Committee, Research activity committee, Students grievances committee, Counselling Cell, Magazine committee, NAAC- Criteria-2 committee, Library committee etc.

Other:

Worked in the administrative department of Hindustan Petroleum Corporation Ltd. (1987 – 1988)

◆ Other Personal Interest:

Philosophy

Psychology

Indian Classical Music

Indian Classical Dance (Bharatnatyam)

Drama/Theater