

1. General Information

Name: Dr Hasmukh Devji Joshi

Date of Birth: 24th February 1964

Department: Smt. S B Gardi Institute of Home Science Saurashtra University, Rajkot

Present Designation: Associate Professor

Address (Residential) : AA-6 Sagar, Alap Avenue, University Road, Rajkot, Gujarat, India.

Ph No: +91 0281-2562133, **Mobile:** 09979867232

Education Qualification: M Sc. Ph D.

Teaching Experience: 24 years

Area of Specialization: Organic Chemistry, Food Analysis, Synthesis of Drug Moiety etc.

Academic Qualifications

Exam Passed	Board/ University	Subjects	Year	Division/Grade Merit etc.	
				%	Div
High School	G.S.E.B.	Science	1979	47	Second
Higher Secondary	G.S.E.B.	Science	1981	50	Second
Bachelor's Degree (s)	Saurashtra University	Chemistry.	1984	56	Second
Master's Degree (s)	Saurashtra University	Org. Chemistry.	1986	62	First
Research Degree (s)	Saurashtra University	STUDIES ON CHEMISTRY OF NATURAL AND SYNTHETIC DRUGS		1990	

2. Research Experience & Training

Research Stage	Title of work/Theses	University where the work was carried out
Ph.D.	STUDIES ON CHEMISTRY OF NATURAL AND SYNTHETIC DRUGS	Saurashtra University
Training	Sophisticated Instrument	CDIR Lucknow
Training	Training program on Gas Chromatography	Thermo Fisher Scientific India Pvt. Ltd.
Certificate Course	Computer Programming in Basic	Saurashtra University 12/11/1987 to 12/12/1987
Certificate Course	SWIFT JYOTI Program	NIIT Rajkot, April 2002

3. Research Projects carried out

Title of the Project	Name of the funding Agency	Duration	Remarks
"Prawn-Fisheries	Fisheries Department Govt. of Gujarat	1.5 years	Worked as a JRF
Physico-Chemical and Microbiological analysis of potable water at various seasons at University Premises.	Sau. Uni. Unassigned grant	2.0 year	As a Principle investigator
Monitoring and minimizing the pesticide residue in vegetables using traditional cooking methods available at the market of Rajkot city	UGC Major Research Project	2.0 year	2008 -2011

4. Teaching Experience

Courses Taught	Name of the University/ College / Institution	Duration
iv) U.G. (B.Sc.)	Bahauddin Science college Junagadh	13-07-1988 to 01-09-1998
v) P.G. (M.Sc.)	Department of Home Science Saurashtra University Rajkot	02-09-1998 to still continue

Total Teaching Experience: Twenty four (24)

- a) Under-graduate (Pass): Ten years (10)
- b) Post-graduate : Fourteen years (14)

5. Innovations/Contributions in Teaching

- a) Design of Curriculum: Member of Board of studies. Suggestions provided by me regarding the design of curriculum of various subjects like Food Packaging, Methods of Investigation, Food toxicology, Food Processing and Technology etc being taught by me.
- b) Teaching methods: Lecture method with audio-visual aids, seminar methods. Field trip, industrial visits etc.
- c) Laboratory experiments: Routinely used in teaching of Home Science, involves great amount of laboratory practical work with use of various sophisticated instruments. Latest Instrumental techniques like Flame photometry, Fluorimetry Ion selective Analyzer Chromatography UV spectrometry etc are employed.
- d) Evaluation methods: Only external assessment of University examination with six point gradation system is used in M. Sc. Home Science course.
- e) Preparation of resource material including books, reading materials, Laboratory manuals etc.: Four books are published. Reading materials and laboratory manual are given to the students in all subjects taught by me.
- f) Remedial Teaching / Student Counseling (academic): Remedial teaching and students counseling have given to the students whenever it is required.

6. Extension Work/Community Service

Community work such as values of National Integration, secularism, democracy, Socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc. With the help of students we are organizing exhibitions to develop the awareness about current topics like deficiency diseases, AIDS, Cancer Diabetes, Human Rights etc in the Rural and Urban community of Rajkot City and related areas.

7. Participation in Corporate Life:

a) College/University/Institution

Coordinator of NAAC Actively participates in the various departmental activities.

b) Co-curricular Activities: Arranged and attended Exhibition, Seminars Workshops, Field trips, Conferences, Industrial visits etc.

c) Enrichment of Campus Life (Hostels, sports, games, cultural activities):

I always encouraged students to participate in the university activities.

d) Students Welfare and Discipline

We helped student by all means whenever it is required.

e) Membership/Participation in Bodies/Committees

On Education and National Development

1 Member, Research Board of Advisors committee, The American Biographical Institute, **North Carolina USA**

2 Referee in the European Journal of Medicinal Chemistry. **France**

f) Professional Organization of Teachers.

Member of SUTA (Saurashtra University Teachers Association)

8. Membership of Professional Bodies, Societies etc.

1 Member, Asian journal of Home Science

2 Life Member and Secretary, Home Science association of India

3 Life Member, Indian Journal of Chemistry and Environment

Conference/Seminar/Workshop-Attended

1987

1. 39th I.P.C.at Madras, 1987 attended and presented one paper.

1999

2. National Symposium on "University Industries Interaction" attended and presented one paper-1999.
3. National Conference on Diet, Health Promotion and Disease Prevention, January, 1999.
4. Patent awareness, Workshop-1999.
5. Workshop – Academic Staff College, 1999.

2002

6. Indian Science Congress Association -2002

2003

7. Two paper presented in Poster session at International Seminar and Workshop on "Fermented Food, Health Status and Social Well-Being" Nov. 2003.
8. Regional Ayurved Seminar on Madhumeha-2003

2004

- 9 National level Seminar on Current Trends and Issues in Home Science Organized and presented one paper Jan. 24-25-2004
10. 17th Annual Conference of All India Association for Educational Research as International Conference on fourth wave of Education Rajkot-January 10-12, 2004 attended and presented a paper.

2005

11. International Symposium on Recent Trends in Drug Discovery,8-10 January, 2005
12. National workshop on nanotechnology: Opportunities & Challenges, 17,Oct,
13. Four paper presented in Poster session at International Seminar and Workshop on "Fermented Food, Health Status and Social Well-Being". Nov. 2005.
14. 9th National Conference on Bio-active Heterocycles and Drug Discovery Paradigm, 8-10 January, 2005
15. National seminar on Achieving and Maintaining Quality in Higher Education in India: Issues and Approaches, 8-10 march, 2005

2006

16. National workshop on E-resources in Chemical Synthesis and Natural Products, 2-3 March, 2006

2009

17. Pesticide workshop on GCMS-QP 2010 & related techniques , 7-8 Oct, 2009
18. National Seminar on Current Problems of Obesity in India 10-11 January, 2009
19. Worked as a resource person and expert judge in National Seminar on Current Problems of Obesity in India 10-11 January, 2009
20. National workshop on updates in process & medicinal Chemistry, 3-4 March, 2009
21. State level seminar on Emerging Trends and Scope in Home Science, 1st Feb, 2009
22. State level seminar on Green Chemistry: Challenges & Solutions, 19th Dec, 2009
23. Worked as expert judge for poster session in State level seminar on Green Chemistry: Challenges & Solutions, 19th Dec, 2009
24. National level Seminar on Nanotechnology: Challenges & Opportunities, 28th Dec, 2009

2010

25. National conference on role of Home Science in social well being , 7th Feb, 2010
26. Delivered expert lecture and supply reading material on faculty development Programme at Dr. Virambhai Godhaniya Mahila College Porbandar dated 22-02-2010 to 26-02-2010.

2011

27. International conference titled Bridging gap in discovery and development: Chemical and Biological Sciences for Affordable health, wellness and sustainability, 4-7th February, 2011
28. Workshop on Fundamentals Of Quantitative Analysis-I, 29-31st January, 2011

2012

29. National conference on Recent Advances and Current trends in Medicinal Chemistry & other Chemical Sciences organized by Department of Chemistry, Saurashtra University, Rajkot on 16th-18th March, 2012
30. 31st Annual conference of Indian Council of Chemists organized by Department of Chemistry, Saurashtra University, Rajkot on 26th-28th December, 2012
31. Effect of household processing on reduction of pesticide residues in Bringal (Eggplant, Solanum melongena)
Neha Thanki, Praful Joshi and Hasmukh Joshi*
Advances in Applied Science Research, 2012, 3 (5):2860-2865

Available online at www.pelagiaresearchlibrary.com

32. Effect of household processing on reduction of pesticide residues in Cauliflower (*Brassica oleraceae var. botrytis*)

Neha Thanki, Praful Joshi and Hasmukh Joshi

European Journal of Experimental Biology, 2012, 2 (5):1639-1645

Available online at www.pelagiaresearchlibrary.com

33. Effect of household processing on reduction of pesticide residues in Okra (*Abelmoschus Esculentus*), accepted in VAC

Hasmukh Joshi*, Neha Thanki, Nilambari Dave and Rajesh Raval

2013

34. National conference on Home Science and Life Style Management organized by Department of Home Science, Home Science Association of India (Rajkot) and Indian Dietetic Association club Rajkot on 24th March, 2013

35. Ph. D Degree Awarded to Vimal Patel (Reg. no. 4240) on August, 2013 Title of Ph. D thesis was studies on synthesis and characterization of bioactive heterocycles.

2014

36. Dissertation completed by Shital Sodha (Enrolment no. 111271860) and title was Assessment of nutritional status of adolescent girls studying in high school of Porbandar city.

37. Dissertation completed by Nidhi S. Pandya (Enrolment no. 105181763) and title was Assessment of nutritional status of low income group of school going girls studying in school of Ratanpar village of Surendranagar District of Gujarat State.

2015

38. National Seminar on Education Commissions Recommendations and its Executions in Independent Bharat organized by IQAC, Saurashtra University, Rajkot, 18th June, 2015

39. Dissertation completed by Sushma Yadav (Enrolment no. 117079497) and title was Assessment of obesity in adolescent girls studying in collage of Gondal city of Rajkot District

40. Dissertation completed by Naiya Nayak (Enrolment no. 105182300) and title was Assessment of nutritional status of low income group of school going girls of Bhachau Taluka of Kutch District.

41. Ph. D Degree Awarded to Mendpara Jaymin (Reg. no. 4590) on March, 2015. Title of Ph. D thesis was studies on various heterocycles clubbed with nitrogen mustard and its biological evaluation.

42. Ph. D Degree Awarded to Atul G. Makasana (Reg. no. 4589) on March, 2015. Title of Ph. D thesis was Synthesis and biological evaluation of some novel DNA-directed alkylating agents.

2016

43. Symposium organized by Indian Dietetic Association of India on The Cereal Story, 8th March, 2016

44. Worked as a resource person in Training Workshop and National conference entitled Budding Scientists-I organized by Harivandana Collage, Rajkot, 17th February, 2016.

2017

45. Contributed in Record-breaking Laddu- making event and Master Chef Competition organized by Genus Food Carnival, on 18th and 19th February, 2017.

46. Participated in Woman Legal Awareness Camp jointly organized y Gujarat State Commission for Women and Anti Sexual Harassment Cell of Saurashtra University, Rajkot on 29th August, 2017.

47. Worked as an organizing secretary in UGC sponsored National Conference on Home Science: Scientific living and Social Outreach organized by Department of Home Science, Saurashtra University, Rajkot on 5th March, 2017.

48. Worked as an organizing secretary in National Conference on Nurturing Family Values for the Social Well-Being organized by Department of Home Science, Saurashtra University, Rajkot on 29th January, 2017.

49. Worked as a convener in International Faculty Development Programme on 13-14 october, 2017.

2018

50. Participated in workshop on UGC 7th Pay Regulation-2018, jointly organized by IQAC, Saurashtra University and SVVSS Rajkot on 11th March, 2018.

51. Participated in Faculty Development Programme on Features of Faculty organized by BAPS Swaminarayan Mandir, Rajkot on 14th April, 2018.

Conference/Seminar/Workshop-ORGANISED

1. National level Seminar on Current Trends and Issues in Home Science Jan.24-25-2003
2. National conference on role of Home Science in social well being , 7th Feb, 2010

Worked as a judge/speaker/Chair Person

01. UGC sponsored national level seminar on current problem of obesity in India, Jan-10-11, 2009, Upleta I was Speaker and Expert Judge.
02. UGC sponsored State level seminar on emerging trends and Scope of Home Science, 1 Feb.2009. I was chair Person in Oral presentation in General Science section.
03. State level seminar on Green Chemistry: Challenges & Solutions, 19th Dec, 2009, I was Speaker and Expert Judge
04. Workshop on Fundamentals of Quantitative Analysis-I, 29-31st January, 2011, I was Speaker and organized by Department of Chemistry, M.N. Virani Science College, Rajot on 29th-31st January, 2011.

Annexure-II

[1] Books as co-author:

1. F.Y.B.Sc. Paper I and II Text book of F.Y.B.Sc.
2. S.Y.B.Sc. Paper III and IV Text book of S.Y.B.Sc.

[2] Books as an Author

1. Food Analysis 2004
2. Methods of Analysis 2004
3. Nutrition, Health & Fitness 2011
4. Know and maintain your body 2014

[3] Reading Material

1. Research methods, faculty development program at Porbandar
2. Analytical Chemistry, M. N. Virani Science College Rajkot

Annexure-III

Research papers from Ph. D Thesis

- [1] Studies on 4-Thiazolidinones: Synthesis and Antimicrobial Activity of 1,4 Bis[2'-aryl 5'(H)-4'-thiazolidinone-3'-yl amino] phthalazine.
Hasmukh Joshi, Paresh Upadhyay and A. J. Baxi.
Journal of Indian Chemistry Society Vol. 67, September, 1990, pp 779-780.
- [2] Synthesis of some Dihydralazine derivatives and their multiple pharmacological activity.**H.D. Joshi**, P.S. Upadhyay, A.J. Baxi & A.R. Parikh
Indian Journal of Pharmaceutical Sciences. Vol. 53(3)1991, pp 78-81.
- [3] 1,4 Bis[2'α-(phenyl azo) Substitute Benzyl hydrazino] phthalazine
H.D. JOSHI, P.S.UPADHYAY, A.J.BAXI AND A.R. PARIKH.
J. Inst. Chemists (India), Vol.63, July 1991, pp 149.
- [4] Studies on 4-Thiazolidinones-part-I: Synthesis and Antimicrobial activity of 1,4 Bis[2'-Aryl-5'-methyl/carboxymethyl-4'-thiazolidinon-3'-ylamino] phthalazine.
H.D. Joshi, P.S. Upadhyay and A.J. Baxi.
Asian Journal of Chemistry, Vol.4(1)1992, pp 93-98.
- [5] Free amino acids and Sugars of Annona squamosa Linn.
H.D. Joshi, G.A. Baxi and A.J. Baxi.
Asian Journal of Chemistry Vol.4(1) (1992) pp 49-52.
- [6] Synthesis and antimicrobial activity of 1,4 Bis-[4'-aryl-3'-chloro-2'- Azetidion-1'-ylamino] phthalazine
H.D. Joshi, P.S. Upadhyay, and A.J. Baxi.
J. Institute of Chemists (India). Vol. 63, may, 1991. pp 140

RESEARCH PAPERS OTHER THAN Ph.D. THESIS

- [7] Studies on Spiroheterocycles : Synthesis of New Spiro 4- Thiazolidinones as possible Biodynamics.
P.S. Upadhyay, **H.D. Joshi** and A.J. Baxi.
J. of Sciences I.R. Iran, Thehran. Vol. 3(1,2)1992. pp 30-33.

- [8] Potential Chemotherapeutic agents- "synthesis of 1,4 Bis [4'-aryl/alkyl-3'- Chloro-2'-Azetidinon-1'-yl amino] Phthalazine. P.S. Upadhyay, **H.D. Joshi** and A.J. Baxi.
Indian Drugs, Vol. 29(3) Dec. 1991, pp 114-116.
- [9] Synthesis and pharmacological evaluation of some new Imidazolinones as Anticonvulsants.
P.S. Upadhyay, **H.D. Joshi**, A.J. Baxi and A.R. Parikh.
Indian Journal of Heterocyclic Chemistry Vol. 1(6) 1991, pp 71-74.
- [10] 4-Thiazolidinones-part-V: 1,4 Bis[2'-aryl-methyl-5'-carboxymethyl-4'-thiazolidinon-3'-ylamino] phthalazine
P.S. Upadhyay, **H.D. Joshi**, G. A. Baxi and A.J. Baxi.
J.Inst.Chemists (India).Vol. 64, may, 1992, pp 120. Chem. Abst.:119:160168 1993.
- [11] Effect of drought period of prawn fishery at surajbari fishing centre in the gulf of kuchchh.
Y.M. Kadiyani, **H.D. Joshi**, B.B. Radadia and M.C. Bhavsar
Ind. J.Z. Spect Vol. 1,37-40, 1990.
- [12] Studies on Sulphonamides: Synthesis of new Bis Aryl sulphonyl hydrazino phthalazines as possible Antibacterial agents
P.S. Upadhyay, **H.D. Joshi**, A.J. Baxi. And A. R. Parikh.
J. Inst. of Chemist (India) Vol. 64(2) 59 (1992) Chem. Abst.: 119: 8758. 1993.
- [13] Preparation of some Dihydralazine derivatives and their multiple pharmacological activity.
P.S. Upadhyay, **H.D. Joshi**, A.J. Baxi. And A.R. Parikh.
India drugs Vol. 37(9) Sept. 2000.
- [14] Synthesis of some new β -lactams and their pharmacological Activity
P.S. Upadhyay, **H.D. Joshi** and A.J. Baxi.
J. Institute of Chemists (India), Vol. 71 Part-5(1999).
- [15] Synthesis and Pharmacological Activities of 1,4-Bis[α -charbamido substituted Benzal hydrazion] phthalazines.
P.S. Upadhyay, **H.D. Joshi** and A.J. Baxi.
Journal of Instituion of Chemists (India) Vol. 72 Part-I, 2000.
- [16] Studies on 4-thiazolidinone: Preparation and antimicrobial activity of 1,4-Bis [2'-alkyl/aryl-5'H/methyl/carboxymethyl-4'-thiazolidinon-3'-ylamino] phthalazine.
H.D. Joshi, P.S. Upadhyay and A.J. Baxi.
Indian J. Chem. Section B. Vol. 39 B Dec. 2000 Chem. Abst. : pp 967-970.
- [17]Synthesis of condensed Heterocyclic systems: some ring closure reactions involving phthalazine

Paresh Upadhyay, **Hashmukh Joshi**, Jatin Upadhyay, A.J. Baxi and A.R. Parikh.
Indian J. Chem. Vol. 40B June 2001 500-503.

[18] Synthesis of some novel imidazolinones as potent anticonvulsant agents

Hashmukh Joshi^{a,*}, Paresh Upadhyay, Denish Karia^c, A.J. Baxi^d
European Journal of Medicinal Chemistry 38 (2003)837-840

Research papers published in the field of Home Science

[19] Effect of germination and heat processing on protein, riboflavin, vit-c and niacin
Content peas, cowpea, red gram and wheat

M.D. MEHTA, B.B. MEHTA. A. H BAPODRA AND H D JOSHI,

Asian Journal of Home Science (June & December, 2007) vol. 2 (1&2) : 34-38;0]

Research papers published in proceedings of seminar / conferences

[20] Nutritional composition of Breakfast provided by selected Pre-primary school of Rajkot city
presented in National level Seminar on Current Trends and Issues in Home Science Jan.24-25-2004
Neha Thanki, Pallavi Kathrecha, and Hashmukh Joshi presented in Smt. S.B. Gardi Institute of Home,
Saurashtra University, Rajkot-5, India

[21] Do you know what you eat? Presented in Oral section of National level Seminar On Current Trends
and Issues in Home Science Jan.24-25-2003

H D Joshi, Smt. S B Gardi Institute of Home Science, Saurashtra University, Rajkot

[22] Studies on farmers' awareness of health threatening effect caused by pesticides used in growing of
vegetables, presented in National conference on Role of Home Science in social well being , 7th Feb,
2010

H. D. Joshi* and Neha Thanki, Smt. S. B. Gardi Institute of Home Science, Saurashtra University,
Rajkot, India.

[23] A survey of Rajkot Resident's awareness and attitude towards pesticides used in vegetables,
presented in National conference on role of Home Science in social well being , 7th Feb, 2010
Neha Thanki and H. D. Joshi, Smt. S. B. Gardi Institute of Home Science, Saurashtra University,
Rajkot, India.

Research papers presented in the field of Home Science

[24]A Study on Nutritional Composition of Commercially Available Breads presented in International Seminar and Workshop on "Fermented Food, Health Status and Social Well-Being" Nov. 2003

Hasmukh Joshi, Dr. Nilambari R. Dave, Bhavin Thanki, Nita Joshi¹

[25]A Study on Nutritional Composition and Sensory Evaluation of Modified Dhokala presented in International Seminar and Workshop on "Fermented Food, Health Status and Social Well-Being" Nov. 2003

Nilambari R. Dave, **Hasmukh Joshi**, Bhavin Thanki, Priti Dave¹

[26]A study on Nutritional composition and sensory evaluation of modified Vada, presented in International Seminar and Workshop on "Fermented Food, Health Status and Social Well-Being" Nov. 2003

Dave Parul, Shah Binita and Dr. Hasmukh D Joshi, Smt. S.B.Gardi Institute of Home, Saurashtra University, Rajkot-5, India

[27] Effect of different ingredient on nutritive value and acceptability of Dhokala Presented in Poster session at International Seminar and Workshop on "Fermented Food, Health Status and Social Well- Being", Nov. 2005.

Kosha L Vasavada, Parul Dave and Hasmukh D Joshi, Smt. S. B. Gardi Institute of Home, Saurashtra University, Rajkot-5, India

[28] Nutritional analysis and sensory evaluation of fermented modified Uttapam presented in Poster session at International Seminar and Workshop on "Fermented Food, Health Status and Social Well-Being", Nov. 2005.by

Binita R Shah, Kosha L Vasavada, and Hasmukh D Joshi, Smt. S. B. Gardi Institute of Home, Saurashtra University, Rajkot-5, India

[29]Weightage of fermented foods in routine diet of people of Rajkot city Jadeja Rekhaba C., Joshi H.D., Vyas C.G., Smt. SB, Gardi Institute of Home Science, Saurashtra University, Rajkot-360005, Presented in Poster session at International Seminar and Workshop on "Fermented Food, Health Status and Social Well-Being", Nov. 2005

[30]Theme park: A modified atmosphere for modern pre-primary children presented in International

conference on Forth wave Education Jan 10-12 2004 by

Neha Thanki, Kinjal Bhatt and H D Joshi, Smt. S.B.Gardi Institute of Home, Saurashtra University,
Rajkot-5, India

31. Effect of household processing on reduction of pesticide residues in Bringal (Eggplant, *Solanum melongena*)
Neha Thanki, Praful Joshi and Hasmukh Joshi*
Advances in Applied Science Research, 2012, 3 (5):2860-2865
Available online at www.pelagiaresearchlibrary.com
52. Effect of household processing on reduction of pesticide residues in Cauliflower (*Brassica oleraceae var. botrytis*)
Neha Thanki, Praful Joshi and Hasmukh Joshi
European Journal of Experimental Biology, 2012, 2 (5):1639-1645
Available online at www.pelagiaresearchlibrary.com
53. Effect of household processing on reduction of pesticide residues in Okra (*Abelmoschus Esculentus*), accepted in VAC Journal Published by Saurashtra University, Rajkot
Hasmukh Joshi*, Neha Thanki, *Nilambari Dave* and Rajesh Raval
54. Effect of household processing on reduction of pesticide residues in bitter gourd (*Momordica charantia*).
Joshi, Hasmukh, Thanki , Neha and Joshi, Praful.
Internat. J. Appl. Home Sci., (2015) **2** (1&2) : 23-29.

