CURRICULUM VITAE



Name Dr. Prabhavathi S.N.

Present position Guest faculty

Department of food science and nutrition

University of Mysore, manasagangothri, Mysore.

Residential address #104, SBM colony,

Udayagiri, Mysore-570019.

ACADEMIC QUALIFICATIONS

Degree	Year	Subject	Class
Ph.D	2019	Food science and nutrition	-
M.Sc.	2006	Food science and nutrition	I
B.Sc.	2004	Home science	I

Qualified UGC-NET held on 30-12-2007 in the subject Home Science

PROFESSIONAL EXPERIENCE

INSTITUTION	POST HELD	YEAR
Department of Food Science and Nutrition, manasagangothri, Mysore- 06	Guest faculty	2006-till date
Department of Family and Community Science, Maharani's Science college for women, Mysore.	Guest faculty	2006-2008

RESEARCH EXPERIENCE

Title of Ph.D thesis:

Studies on flavour potentiating effect of monosodium glutamate with special reference to synergism between spices and salt in different food matrices

Title of M.Sc. dissertation:

Influence of selected maternal factors on weight gain during pregnancy

RESEARCH GUIDANCE

• M.Sc Projects- 30

Participation in Seminars/Workshops/Conferences

- International 10
- National 16

RESEARCH PUBLICATIONS

	National	International	Total
Research papers	03	13	16
published			
Review articles/papers		03	03
published			
Poster Papers presented	19	04	23
at conferences			
Oral papers presented	05	08	13
Self learning material of			
Karnataka State Open	2		2
University (KSOU),			
Mysore.			

Invited Talk/ special lecture – 08

Organization of program (Seminar/conference/workshop)

- Organizing committee member UGC and University of mysore sponsored national seminar on **"FUNCTIONAL FOODS FOR HEALTH PROMOTION AND DISEASE PREVENTION"** held on 14th and 15th February 2008.
- Organizing committee member Two day National seminar on **"EMERGING HEALTH ISSUES ACROSS THE LIFE STAGES".** Organized by Human development department, DOS in Food Science and Nutrition, University of Mysore On 6th and 7th March 2014.
- Organizing committee member UGC sponsored seminar on "CHANGING PROFILE OF MALNUTRITION IN INDIA". Organized by the DOS in Food Science and Nutrition, University of Mysore on 9th January 2015.

DEPARTMENTAL ACTIVITIES

- Secretary of departmental nutrition society from September 2008- June 2010.
- **Obesity screening camp** organized by DOS in Food Science and Nutrition on 19th December 2015.
- Consumer awareness program conducted by DOS in Food Science and Nutrition on the theme "AN INSIGHT IN FOOD SAFETY AND CONSUMER AWARENESS" on 11th may 2016.
- **Nutritional medicine and wellness conclave** organized by DOS in Food Science and Nutrition on 31st May 2016.

Other information

• Guided 25 M.Sc. Food Science and Nutrition students for their dissertation/projects based on research, Many papers have been presented and published in peer reviewed journals.

AWARDS

• 2nd prize for poster paper entitled "**Nutritional status and life style habits of diabetic patients from Mysore city"** presented at international conference on Technological Advances on Super Foods for Health Care, Organized by University of Pondicherry, on 3rd-4th May 2013.

Best poster award for poster paper entitled "Maternal factors influencing birth weight

among economically deprived population" presented at national seminar on Emerging

Health Issues Across the Life stages, organized by Human development, DOS in Food

Science and Nutrition, University of Mysore, Mysuru, held on 6th-7th March 2014.

• Best paper award on Food structure and Sensory properties track, in recognition of the

outstanding research paper entitled "Flavor potentiating effect of mono sodium glutamate on acceptability profile of salt reduced tomato soups" in 2nd international

conference on Food properties (iCFP2016), held on May 31st – June 2nd 2016, Bangkok,

Thailand.

• Best paper award for oral paper entitled "Nutritional status and dietary pattern of women from nanjangud town of mysore". Presented at 9th national women science congress.

Organized by Matru vedike, swadeshi vijnana andolana Karnataka. Held on 5-7th

November 2016.

Best paper award for the paper entitled "Antioxidant potential of lemon peel for

stabilizing the quality of stored oils". Presented at 1st International Conference on

Innovative Food and Nutrition Technologies for Public Health Care (ICNPH-2018) held on 4-5th, January, 2018 at Periyar University, Salem, Tamilnadu, India.

LIFE MEMBERSHIP OF ORGANIZATIONS

Nutrition Society of India. National Institute of Nutrition, Hyderabad.

Indian Dietetic Association

LIST OF PUBLICATIONS

Research papers: International Journal

2013

1. Divyashree S, jamuna prakash and prabhavathi S.N. Microbial Quality of Selected

Commercial Fresh Fruit Juices Sold in Mysore City. Journal of Food Science and Technology,

Vol 8, 2013, 30-34.

2. Prabhavathi S.N. and Khyrunnisa Begum. Socio-demographic correlates of mothers given birth to normal and low birth weight babies. Journal of Post graduate Medical Institute, Vol

27(3) 2013, 242-249. (Corresponding author)

3. Abdol Hossein Azimi, Jamuna Prakash and Prabhavathi S.N. Nutritional status and dietary pattern of Iranian's residing in Mysore city. International Journal of Food, Nutrition and dietetics, Vol 1(2), 2013, 5-14. (Corresponding author).

2014

1. Amritha Prakash, Jamuna Prakash and Prabhavathi S.N. Sensory attributes and shelf stability of monosodium glutamate-incorporated rice crackers prepared using different oils. Advances in Food Sciences, Vol. 36, 2014, 48-53. (Corresponding author)

2015

1. Puttarathnamma D, Jamuna Prakash, Prabhavathi S.N. Consumption Trends of Processed Foods among Rural Population Selected from South India. International Journal of Food and Nutritional Science, Vol 2 (6) 2015, 1-6

2016

1. Prabhavathi S.N. and Jamuna Prakash. Flavor Potentiating Effect of Monosodium Glutamate on Acceptability Profile of Salt Reduced Tomato Soups Proceedings of the 2016 International Conference on Food Properties (iCFP2016) Bangkok, Thailand, May 31-June 2, 2016.

2017

- **1. Prabhavathi S.N and Jamuna Prakash.** Sensory attributes of fresh herb chutneys prepared using a flavor enhancer. EC nutrition. Vol. (10.1), 26-36.
- **2. Prabhavathi S.N and Jamuna Prakash.** Acceptability profile of tomato soup prepared using flavor potentiator and spices. International journal of food, nutrition and dietetics. Vol (5), 65-72 (corresponding author).
- **3.** Maheshwari H.M, Prabhavathi S.N, Rajesh Devisetti and Jamuna Prakash. Determining efficacy of monosodium glutamate for salt reduction in plain and spiced 'poories' through sensory responses. Experimental food chemistry. Vol 3, 3-9.
- **4. Prabhavathi S.N. Anitha C and Suguna P.** Assessment of Prevalence and knowledge regarding iron deficiency anemia among adolescent girls from semi-urban area of mysore. International journal of multidisciplinary educational research. Vol 6, 82-88. (corresponding author).
- **5. Vatsala L, Jamuna Prakash and Prabhavathi SN.** Food Security and Nutritional Status of Women Selected from a Rural Area in South India. Journal of Food Nutrition and Population Health. Vol. 1 No. 2: 10

2018

- **1.** Shwetha K., Aisha Siddique, Divya Ramesh, Jamuna Prakash* and Prabhavathi S.N. Consumption Pattern of Indian 'Chat' Based Snacks and Formulation of Millet Based Snack 'Poories'. Research Journal of Food and Nutrition, Volume 2, Issue 4, 2018, PP 30-38
- 6. Prakash J, Nagar MN, Devisetti R and Prabhavathi SN. Antioxidant Properties of Organic and Non-organic Tea Brews. Journal of Food Biotechnology Research. Vol 2, 2018, 1-5.

National

2013

1. Prabhavathi S.N., Charlotte G Karunakaran and Ashoka H.G. A Study of Somatic Status and Complications among Female Hospitalized and Non-hospitalized Diabetic Patients from Mysore Urban Area. Indian Journal of Clinical Practice, Vol 24(3), 2013, 233-239.

2014

- **1. Prabhavathi S.N and Jamuna Prakash.** Nutrition transition in Indian population- processed food consumption and food insecurity as contributing factors, 10th kannada vijnana sammelana held on 15th-17th September 2014
- **2.** Maheshwari H.M, Prabhavathi S.N and Jamuna Prakash. Exploring the flavor potentiating effect of monosodium glutamate on acceptability profile of spiced "poories". The Indian Journal of Nutrition and dietetics. Vol. 54 (3). 265-277.

Review Articles published

- 1. Santhosha S.G, Jamuna Prakash and Prabhavathi S.N. Bioactive components of garlic and their physiological role in health maintenance: A review. Journal of Food bioscience, Vol 3, 2013, 59-74.
- 2. **Prabhavathi S.N. and Jamuna Prakash.** Iron deficiency anemia in growing years and its effect on cognition: a review. **International Journal of Child Health and Nutrition**, **Vol 3(4)**, **2014**, **1-10**.
- 3. Prabhavathi S.N and Jamuna Prakash. Efficacy of Monosodium glutamate as a flavor potentiator in salt reduction- A review. Journal of Nutrition and Food Processing. Vol 2, 2019, 1-4.

ORAL PAPERS PRESENTED AT INTERNATIONAL CONFERENCES

- 1. **Prabhavathi S.N, shwetha K, Ayesha siddiq, Divya prakash and Jamuna Prakash**. Utilization and quality evaluation of whole grains for formulating "chat poories", at International conference on advances in home science studies, Tirupati, held on 20th-21st February 2015.
- **2. Abdol Hadi Tajer, Ayesha siddiq, Divya prakash, Jamuna prakash and Prabhavathi S.N.** Orange peel: antioxidant properties and efficacy in preventing lipid peroxidation in stored oils at International conference on advances in home science studies, Tirupati, held on 20th-21st February 2015.
- **3. Prabhavathi S.N and Jamuna Prakash.** Flavor potentiating effect of monosodium glutamate on acceptability profile of salt reduced tomato soups, at 2nd international conference on Food properties, held on 31st May 2nd June 2016, **Bangkok, Thailand.**
- **4. Prabhavathi S.N and Jamuna Prakash.** Utilizing flavor potentiating effect of monosodium glutamate in salt reduction. 40th indian social science congress, organized by indian academy of social sciences and university of mysore. Held on 19-23rd December 2016
- **5. Prabhavathi S.N, Rajesh devisetti and Jamuna prakash.** Free glutamic acid in selected vegetables and organoleptic quality monosodium glutamate added vegetable based products. **Invited speaker** at IUFOST 19th world congress of food science and technology, held on 23rd-27th October 2018, Mumbai
- **6. Prabhavathi S.N. and Jamuna prakash.** Acceptability profile of cereal based traditional dishes prepared by incorporating a flavor enhancer. **Invited speaker** at IUFOST 19th world congress of food science and technology, held on 23rd-27th October 2018, Mumbai
- **7. Prabhavathi S.N., A.H.Tajer, Aisha Siddiqi, DivyaRamesh and Jamuna Prakash.** Antioxidant potential of lemon peel for stabilizing the quality of stored oils. 1st International Conference on Innovative Food and Nutrition Technologies for Public Health Care (ICNPH-2018) held on 4-5th, January, 2018 at Periyar University, Salem, Tamilnadu, India.
- 8. **Prabhavathi S.N, Hemalatha M.S and Priya S.** Assessment of knowledge and practice regarding management and prevention of water borne diseases in a selected area of urban slum in shimoga district. International Conference on Advances in Nutrition and Health Communication on 3 4 August, 2017.

ORAL PAPERS PRESENTED AT NATIONAL CONFERENCES

- **1. Prabhavathi S.N and Charlotte G Karunakaran.** A study of somatic status and complications among female hospitalized and non hospitalized diabetic patients from Mysore urban area 45th NIN conference 15-17th November 2012.
- **2. Prabhavathi S.N and Jamuna Prakash**. Nutrition transition in Indian population-processed food consumption and food insecurity as contributing factors (10th kannada vijnana sammelana, 15-17th September 2014).
- 3. **Prabhavathi S. N, Shilpa N and Hemalatha M.S**. Nutritional status and dietary pattern of women from nanjangud town of mysore. 9th national women science congress. Organized by Matru vedike, swadeshi vijnana andolana Karnataka. Held on 5-7th November 2016.
- **4. Prabhavathi S.N, Anitha C and Suguna P.** Assessment of prevalence and knowledge regarding iron deficiency anemia among adolescent girls rom semi-urban area of mysore. ICSSR New Delhi, Sponsored Two Days National Seminar on Sustainable Rural Development Through Governmental Programmes Vision and Action, organized by Department of studies and Research in Economics, Karnataka state open university, Mysore, held on July 28th and 29th, 2017.
- 5. **Prabhavathi S.N**, **Charlotte G. Karunakaran and Ashoka H.G**. Associations of anthropometric measurements with biochemical parameters among diabetic patients. Silver Jubilee National Seminar on 'Risks and Resilience Across The Life Span'. Organised by Human Development, Department of Studies in Food Science and Nutrition, University of Mysore, on March 15th & 16th 2018
- 6. **Prabhavathi S.N, Charlotte G karunakaran and Ashoka H.G**. Associations of anthropometric measurements with biochemical parameters among diabetic patients. Silver Jubilee National Seminar on 'Risks and Resilience Across The Life Span'. Organised by Human Development, Department of Studies in Food Science and Nutrition, University of Mysore, on March 15th & 16th 2018.

POSTER PAPERS PRESENTED AT NATIONAL CONFERENCES/ SEMINARS

2012

- **1. Prabhavathi S.N., Abdol Hossein Azimi and Jamuna prakash**. Nutritional status and dietary pattern of Iranians residing in Mysore. 44th national conference, organized by nutrition society of India, tirupati chapter, on 16-17th November 2012.
- **2.** Divyashree S, Jamuna Prakash and Prabhavathi S.N. Microbial quality of selected commercial samples of fruit juices from Mysore city. 44th national conference, organized by nutrition society of India, tirupati chapter, on 16-17th November 2012.

3. Prabhavathi S.N Amritha Prakash and. Jamuna Prakash Sensory attributes and shelf stability of monosodium glutamate incorporated chakli using different oils. 5th annual KSTA conference on science and technology for societal transformation. Held on 19-20th December 2012.

2013

- **4. Prabhavathi S.N., Jinju Mathew and Jamuna Prakash**. Nutritional status of women and children with HIV- AIDS and perception of care givers. 45th national conference on inter sectoral approach to promote food and nutrition security. Organized by nutrition society of india on 21-22nd November 2013.
- **5.** Vatsala L, jamuna prakash and Prabhavathi S.N. Nutritional status and dietary pattern of women from belawadi village of Mysore district. 45th national conference on inter sectoral approach to promote food and nutrition security. Organized by nutrition society of india on 21-22nd November 2013.
- **6. Puttarathnamma D, Jamuna Prakash and Prabhavathi S.N**. Consumption trends of processed foods among selected rural population from Mysore. 45th national conference on inter sectoral approach to promote food and nutrition security. Organized by nutrition society of india on 21-22nd November 2013.

2014

- **7. Prabhavathi S.N. and Khyrunnisa begum**. Maternal factors influencing birth weight among economically deprived population, UGC sponsored National seminar on emerging health issues across life stages organized by Human Development, DOS in Food Science and Nutrition, University of Mysore, Mysore on 6th-7th March 2014.
- **8. Prabhavathi S.N and Jamuna Prakash**. Iron deficiency anemia during infancy and possible approaches for prevention. UGC sponsored National seminar on emerging health issues across life stages organized by Human Development, DOS in Food Science and Nutrition, University of Mysore, Mysore on 6th-7th March 2014.
- **9. Prabhavathi S.N, Vatsala L and Jamuna Prakash**. Assessment of food security among the households of Belawadi village of Mysore city. UGC sponsored National seminar on emerging health issues across life stages organized by Human Development, DOS in Food Science and Nutrition, University of Mysore, Mysore on 6th-7th March 2014.

2015

- **10. Prabhavathi S.N. Nisha B.S and Jamuna Prakash.** Development of barnyard millet based products and analysis of nutritional composition. 47th Annual national conference, NSI Hyderabad, held on 9th-10th October 2015.
- **11. Mahashwari H.M. Prabhavathi S.N. and Jamuna Prakash**. Efficacy of Monosodium glutamate as flavor potentiator for sodium reduction in fried products. 47th Annual national conference, NSI Hyderabad, held on 9th-10th October 2015.

2016

- 12. Prabhavathi S.N, Kiran S and U.V. Mani. Assessment of nutritional status and knowledge, attitude and practice (KAP) of non-teaching staff of University of Mysore. 5th women science congress, held at Mysore on 4th-6th January 2016.
- 13. Prabhavathi S.N. Anitha C, and Najma Nasreen S.N. A comparative study on the nutritional status of rural and urban school children of Hassan district. 5th women science congress, held at Mysore on 4th-6th January 2016.
- 14. Nisha B.S, Prabhavathi S.N and Jamuna Prakash. Development of nutrient database for millet based traditional and formulated products. 5th women science congress, held at Mysore on 4th-6th January 2016.

2017

- **15. Prabhavathi S.N, Rohini S, Rajesh devisetti and Jamuna Prakash**. Formulation and quality evaluation of low sugar millet based healthy bars. 26th ICFOST, held at Hyderabad on 7-9th December 2017.
- 16. **Prabhavathi S.N and Jamuna Prakash**. Sensory attributes of fresh herb chutneys prepared using a flavor enhancer. National conference on Food based approaches for translational nutrition. Organized by nutrition society of india, Mysore chapter, on 12-13th April, 2017.
- 17. **Prabhavathi S.N and Jamuna Prakash**. Acceptability profile of tomato soups developed using flavor potentiator and spices. UGC sponsored national conference on scientific perspectives in homescience. Organized by faculty of home science, on 6-7th March 2017.

2018

18. Prabhavathi S.N, Priya M.B, Rajesh Devisetti and Jamuna prakash. Formulation and evaluation of gluten free snack products utilizing millets. Silver Jubilee National Seminar on 'Risks

and Resilience Across The Life Span'. Organised by Human Development, Department of Studies in Food Science and Nutrition, University of Mysore, on March 15th & 16th 2018.

POSTER PAPER PRESENTED AT INTERNATIONAL CONFERENCE

2013

1. Prabhavathi S.N and charlotte G Karunakaran. Nutritional status and life style habits of diabetic patients from Mysore city, International conference on Technological Advances in super Foods for Health Care. Pondicherry, 3rd-4th May 2013.

2015

2. Prabhavathi S.N. Maheshwari H.M and Jamuna Prakash. Using monosodium glutamate as a flavour potentiator in salt reduced products" at International conference on advances in home science studies, Tirupati, held on 20th-21st February 2015.

2018

- **3. Prabhavathi S.N, Rohini S, Rajesh Devisetti and jamuna Prakash.** Formulation and evaluation of low sugar nutribars 50th annual international conference of nutrition society of india, held on 15-17th November, 2018.
- **4. Prabhavathi S.N, John Nithin B and Farhath Khanum.** Preservation of aloevera gel and sensory acceptability of aloe-grape squash. 8th international food convention. Organized by association of food scientists and technologists (India), on 12-15th December 2018.

OTHER ACADEMIC RELATED ACTIVITIES.

 Participated as a subject expert/script writer in audio/visual based lecture programs and in the multimedia production/e-content development (**Developed 5 modules**) under NME-ICT project of CEC-UGC, educational multimedia and research center, University of Mysore.

Sl.No	Name of the module	Year
1	Basics of food production	2016-17

2	Food commodities	2016-17
3	Additives in food production	2016-17
4	Introduction to Indian cuisine	2016-17
5	Introduction to western cuisine	2016-17

• Development of module for e-PG Pathshala in Food and Nutrition (developed 7 modules)

Sl. No	Title of the module	Year
1	Biosynthesis and oxidation of fatty acids	2017-18
2	Vitamin C- History, structure, dietary sources, distribution and absorption, utilization, transport, metabolism, storage and excretion	2017-18
3	Vitamin C- RDA, requirement, functions, deficiency diagnosis, assessment of availability of Vitamin C	2017-18
4	Hypervitaminosis	2017-18
5	Losses in preparation and handling , assessment of availability of water soluble vitamins	2017-18
6	Essential fatty acids in human nutrition	2017-18
7	Vitamin like substances (pseudovitamins)	2017-18

• Development of self learning (02) material for diploma courses in Karnataka state Open University in the subjects Food preservation techniques and community and health education

LIST OF M.Sc. DISSERTITION/ PROJECTS GUIDED

2011-2012

- Nutritional status and dietary pattern of Iranians residing in Mysore.
- Microbial quality of selected commercial samples of fruit juices from Mysore city.
- Sensory attributes and shelf stability of Monosodium glutamate incorporated chakli prepared using different oils.

2012-13

- Food security, nutritional status and dietary pattern of selected women from Belawadi village of Mysore district.
- Consumption trends of processed foods among rural population from Mysore district.

2013-14

- Utilization and quality evaluation of whole grains for formulating chat poories
- Synergistic effect of MSG and spices on salt reduction from fried products
- Antioxidant properties of orange and lemon peels and their efficacy in preventing lipid peroxidation in stored oils

2014-15

- Studies on formulation of millet based products, their sensory quality and nutrient data base of traditional and formulated products"
- A comparative evaluation of organoleptic quality of traditional sweets based on natural and artificial sweeteners'
- Prevalence of over nutritional disorders among the non-teaching staff of university of Mysore.

2015-16

• Antioxidant properties of organic and nonorganic teas

2016-17

- Formulation and evaluation of healthy nutri bars using cereal and millet flakes
- Formulation and quality evaluation of gluten free products using millet grains

2017-18

- Nutritional properties of oil seed cakes and their utilization in the formulation of baked products
- Unconventional Leafy Vegetables: Nutritional Properties and Utilization in Product Formulation

2018-19

 Formulation of multi nutrient microencapsulates using spray drying technology for utilizing as a fortificant in various food matrices.

LIST OF M.SC DISSERTITIONS/PROJECTS CO- GUIDED (WORK CARRIED OUT AT DFRL MYSORE)

2013-14

- Adsorption characteristics of bacterial cellulose in synthetic food color systems
- Evaluation of nutraceutical importance in the tubers of Dioscorea Rotundata and Dioscorea Cayenensis
- Evaluation of nutraceutical importance in the fruits of Ficus Hispida and Ficus Benghalensis
- Development and evaluation of functional food bar
- Preservation of aloe vera gel
- Physical characteristics of dietary fiber from different sources
- Optimization and extraction of polyphenols and antioxidant activity from wood apple

LIST OF M.SC DISSERTITIONS /PROJECTS GUIDED AT KSOU MYSORE

2013-14

- A study to assess the effectiveness of structured teaching programme on knowledge regarding iron deficiency anemia among adolescent girls
- A study to assess the effectiveness of planned teaching programme regarding homemade feeds to cure dehydration among mothers of preschoolers in district hospital at Chitradurga
- Assessment of knowledge and practice of management and prevention of water borne diseases in a selected area of urban slum in Shimoga taluk
- Prevalence of anemia among pregnant women
- Assessment of factors contributing to obesity among housewives and working women in selected urban area
- Prevalence of malnutrition in Rural and urban school children