



**Dr. Karpagavalli B**  
**Associate Professor (FSN) and Head**

**Contact**

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**Academic Qualification : Ph D in Food Science and Nutrition.**

**Teaching Experience : 8 Years 4 Months (as on April 2024)**

**Research Experience :4 Years**

**Area of Specialization / Interest:**

- Food Science and Nutrition
- Food Biochemistry, Food Microbiology
- Food Technology, Food Processing Technology
- Dairy Technology and Post-harvest Technology

**Publications:**

International		National		Others	
Journals	Conference	Journals	Conference	Book Chapters	Books
5	8	7	27	3	2

**Patent Files / Published: nil**

- Patent Number
- Patent Name
- Status

**Achievements & Awards: 7**

- Distinguished Young Faculty Award in Agriculture 2019 by William Research Centre, Nagarcoil.
- Professor MS Swaminathan Best Young Scientist Award 2017-2018 for Food Science & Nutrition by Tamil Nadu Scientific Research Organization, Bose Science Society, Pudukkottai
- Best Oral Presenter Award in National Seminar on “Functional Foods to Achieve Nutrition and Health Security” Organized by Home Science College and Research Institute, TNAU, Madurai and IICPT, Thanjavur held on 9th September, 2016.
- Best Outgoing Student Award for the year 2013-2014 in Home Science College and Research Institute, TNAU, Madurai
- Thiru. R. Chidambaram & Punjab Singh Award for the Best M.Sc Student in Food Science and Nutrition for the year 2011 by Tamil Nadu Agricultural University, Coimbatore
- Baareddy and Kamireddy Prize for highest OGPA in all FSN Courses M.Sc. (Food Science and Nutrition) by Home Science College and Research Institute, TNAU, Madurai on 46<sup>th</sup> College Day 2011
- Shri V.K. Gopalasamy Nadar and Family Award for securing the Highest marks in all the Food Science and Nutrition courses in B.Sc. (Home Science) by Home Science College and Research Institute, TNAU, Madurai on 44<sup>th</sup> College Day 2009

**Events Organized (Workshop / Seminar / Conference): 2**

Sl. No	Type	Events Title	Date	Venue
1	Webinar	Gut Health	20.06.2020	Online mode
2	Webinar	Awareness Program on “Women’s Property Rights – An Evolution”	08.03.2022	Online mode

**Events Participated (Workshop / Seminar / Conference): 35**

<b>Sl. No</b>	<b>Title of the Events</b>	<b>Date</b>	<b>Venue / Organized by</b>
1.	National Webinar on Pandemics and Food Security in the new world order	19 & 20 <sup>th</sup> June 2020	TANUVAS, Chennai
2.	National Webinar on Lifestyle and Immunity during COVID 19	12 <sup>th</sup> June 2020	Avinashilingam Institute for Home Science ad Higher Education for women, Coimbatore.
3.	National Workshop on Nutritional Sustenance through Dairy Products: Initiatives and Strategies	1 <sup>st</sup> June 2020	TANUVAS, Chennai
4.	Webinar on Food Protection – Science and Strategies	31 <sup>st</sup> May 2020	AFSTI, Mysore
5.	International Webinar on Recent Trends in biotechnology and Food Processing Technology Challenges and Prospects	30&31 May 2020	SAFI Institute of Advanced study, Kerala.
6.	Webinar Series E- Vikas: tackling the new Normal in Foods, Nutrition and Dietetics	26 – 31 <sup>st</sup> May 2020	College of Home Science, Nirmala Niketan, Mumbai
7.	National Webinar on Yoga for Fitness and Wellness	25 <sup>th</sup> May 2020	Tamil Nadu Teachers Education University.
8.	National Seminar on “Nutraceuticals and Functional Foods”	30 <sup>th</sup> January 2019	Indian Institute of Food Processing Technology, Thanjavur
9.	International Conference on “Innovative and Emerging Technologies for Farming – Energy and Environment, Water – ITsFEW”	12 - 14 <sup>th</sup> October 2018	Vellore Institute of Technology, Vellore
10.	National Seminar on “Promoting Pulses for Food, Nutrition and Health Security – The Way Forward” NSPPF 2018	27-28 <sup>th</sup> September 2018	Community Science College and Research Institute, Tamil Nadu Agricultural University, Madurai
11.	8 <sup>th</sup> National Conference on Natural Sciences	15 <sup>th</sup> September 2018	Bose Science Society in association with Tamil Nadu Scientific Research Organisation, Pudukkottai.

12.	International Conference on “Recent Advances in Food Processing Technology” – iCRAFPT’18	17-19 <sup>th</sup> August 2018	Indian Institute of Food Processing Technology, Thanjavur.
13.	Two Days International Workshop on “Cloud For Educational Institutions”	22 & 23 June 2018	Mother Teresa Women’s University, Kodaikanal
14.	National Seminar on “Emerging Trends in Processing and Value Addition of Small Millets”	22,23 <sup>rd</sup> September 2017	Tamil Nadu Agricultural University, Coimbatore and DHAN Foundation, Madurai.
15.	7 <sup>th</sup> National Conference on Natural Sciences	5 <sup>th</sup> July 2017	Bose Science Society in association with Tamil Nadu Scientific Research Organisation, Pudukkottai.
16.	National Seminar on “Functional Foods to Achieve Nutrition and Health Security”	19 <sup>th</sup> September, 2016	Home Science College and Research Institute, TNAU, Madurai and Indian Institute of Food Processing Technology, Thanjavur.
17.	6 <sup>th</sup> International Conference on “Emerging Technologies in Food and Nutrition for Health Management”	14-15 <sup>th</sup> May, 2015	ICAR-NDRI, Bengaluru.
18.	Brain Storming Session on Pre And Post-Harvest Management And Processing of Fruits And Vegetables For Food And Nutritional Security	20&21 <sup>st</sup> November 2014	Department of Horticulture, Agricultural College and Research Institute, Madurai.
19.	2 <sup>nd</sup> Agricultural Graduate Student Conference 2014 on “Sustainable Agriculture to Fuel (Feed, Unite, Educate & lead) the Future”	6 & 7 May, 2014	Tamil Nadu Agricultural University, Coimbatore.
20.	Innovative Agribusiness Idea in the NAIP-AGRI Business IDOL Camp	7 <sup>th</sup> May, 2014	Directorate of Agri-Business Development, Tamil Nadu Agricultural University, Coimbatore.
21.	National Workshop on “Emerging Technology in	13,14 <sup>th</sup> March 2014	Home Science College and Research Institute, Tamil

	Processing and Value Addition of Millets for Better Utilization”		Nadu Agricultural University, Madurai.
22.	45 <sup>th</sup> National Conference on Inter-Sectoral Approach to Promote Food & Nutrition Security	21&22 <sup>nd</sup> November, 2013	Nutrition Society of India and National Institute of Nutrition, Hyderabad.
23.	International Conference on “Technological Advances in Super Foods for Health Care (ICTASH -2013)”	3 & 4 May, 2013	International Institute of Food and Nutritional Sciences, New Delhi and Bharathidasan Govt. College for Women, Puducherry.
24.	First Agricultural Graduate Student Conference 2013 on “Food Safety and Food Security”	2 &3 May, 2013.	Tamil Nadu Agricultural University, Coimbatore.
25.	Industrial Motivational Campaign	6 <sup>th</sup> February, 2013	Ministry of Micro, Small and Medium Enterprises and Department of Home Science Extension, Home Science College and Research Institute, Madurai.
26.	National Conference on “Food Processing and Technology for Health Progression (NCFPTH - 2013)”	9 & 10 January, 2013	Department of Food Science and Nutrition, Periyar University, Salem.
27.	Seminar on “Violence Against Women and Legal Remedies”	6 <sup>th</sup> December 2012	Society for Community Organisation Trust and Department of Home Science Extension Home Science College and Research Institute, Madurai.
28.	Awareness Programme on Entrepreneurship	10 <sup>th</sup> October, 2012	Ministry of Micro, Small and Medium Enterprises and Department of Home Science Extension Home Science College and Research Institute, Madurai.
29.	International Symposium on “100 years of Rice Science and Looking Beyond”	9-12 <sup>th</sup> January, 2012	Tamil Nadu Agricultural University, Coimbatore.

30.	International Symposium on “Recent Trends in Processing & Safety of Speciality and Operational Foods”	23-25 <sup>th</sup> November, 2011	Defence Food Research Laboratory, Mysore.
31.	43 <sup>rd</sup> National Conference of the Nutrition Society of India	11-12 November 2011	Nutrition Society of India and National Institute of Nutrition, Hyderabad.
32.	National Level Technical Symposium ZELOS’11	21 <sup>st</sup> February, 2011	Department of Food Technology, Kongu Engineering College, Erode.
33.	State Level Tamil Conference on ‘Ariviyal Thamilil Velanmai’	7 & 8 October, 2010	Agricultural College and Research Institute, Madurai.
34.	National Level Symposium on ‘Prospective Trends in Food Processing’	13 <sup>th</sup> October, 2009	Agricultural Engineering College and Research Institute, Tamil Nadu Agricultural University, Coimbatore.
35.	National Conference NUTRIFE(A)ST 2008	20-22 <sup>nd</sup> November 2008	Nutrition Society of India and National Institute of Nutrition, Hyderabad.

### FDP / Training Programs: 10

Sl. No	FDP Name	Date	Conducted by
1.	Short Term FDP on “ Ethics in Academic Research Writing”	30.01.2023- 04.02.2023	AMET University, Chennai
2.	Professional Development Programme on “Guidance and Counselling”	14.11.2022- 18.11.2022	National Institute of Technical Teachers Training and Research, (NITTTR) Chennai
3.	Faculty Training and Development Programme on “SPSS, R and Data Science”	19.09.2022- 24.09.2022	Periyar Maniammai Institute of Science & Technology, Thanjavur
4.	FDP on “Building sustainable and resilient Food Security and Food Processing Systems”	25.10.2021- 29.10.2021	AICTE Training and Learning (ATAL) Academy and College of Food and Dairy Technology, Chennai

5.	FDP on “Recent Trends in Non-thermal Processing: Prospects and Challenges”	4.10.2021-8.10.2021	AICTE Training and Learning (ATAL) Academy and IIFPT, Thanjavur
6.	FDP on “Dairy and Food Process and Products Technology”	July 2021 - October 2021	NPTEL – AICTE
7.	International FDP on Assessment Literacy: challenges and Innovations	18.06.2020 - 20.06.2020	PSG College of Technology, Coimbatore
8.	FDP on Climatic Change Adaptations and Alterations in Farming Practices	25.05.2020 - 31.05.2020	Kalasalingam Academy of Research and Education, Krishnankoil
9.	FDP on Designing of Food Processing Equipments and Fabrication	23.05.2020 - 29.05.2020	Kalasalingam Academy of Research and Education, Krishnankoil
10.	FDP on Entrepreneurship: Research, Critical Thinking and Innovation	22.04.2020 - 28.04.2020	Indian Academic Research Association, Trichy.

#### Resource Person / Invited Talks / Other Representations: 2

Sl. No	Type	Events Title	Date	Venue
1	Webinar	World Nutrition Week Joint Speaker Meet	08.09.2020	Rotary Club of Madurai Online mode
2	Webinar	World Food Safety Day – 2023 Webinar on Food Standards Save lives	07.07.2023	Mannar Thirumalai Naicker College, Madurai

#### Memberships:

- Life Member in Nutrition Society of India (NSI)
- Life Member in Association of Food Scientists and Technologists (India) (AFSTI)
- Life Member in Indian Dietetic Association (IDA)
- Life Member in Home Science Association of India (HSAI)
- Life Member and Fellow Member in Tamil Nadu Scientific Research organization Bose Science Society (BSS)
- Life Member in Indian Academic Researchers Association (IARA)

- Life Member in Trends In Bioscience Journal
- Life Member in Advances in Life Sciences
- Life Member in Trends in Biotechnology & Biological Sciences
- Editorial Committee Member in Indian Journal of Natural Sciences (IJONS)
- Editorial Board Member in Journal of Innovative Agriculture (JINAGRI)
- Reviewer in International Journal of Microbiology Research

### List of Publication

1. **Karpagavalli B.** (2021). Quality Evaluation of Value added products from Aonla. International Journal of Food Science and Nutrition. 6(1): 10-13.
2. Hariharan, R and **Karpagavalli, B.** (2020). Enhancing Women Entrepreneuers in various sectors. International Journal of Multidisciplinary Research and Development. 7(8): 75-78.
3. **Karpagavalli, B.** (2017). In vitro and In vivo Antioxidant Potential of Methanolic Extract of Pomegranate Fruit. Applied Biological Research. 19(1): 94-99.
4. Subbulakshmi, B and **Karpagavalli, B.** (2017). Standardization and Evaluation of High Fibre Convenient Food from Oats Flour. Journal of Innovative Agriculture. 4(1):26-31.
5. **Karpagavalli, B.** and Subbulakshmi, B. (2017). Flax as Functional Food. Kisan World. 44(10): 23-25.
6. **Karpagavalli, B.** (2016). Phytochemical Analysis and Antioxidant Activity of Selected Fruits. The Bioscan. 11(3): 1489-1492.
7. **Karpagavalli, B.** and Suresh PM. (2016). Health Benefits of Poor Man's Apple. Kisan World. 43(10): 31-33.
8. **Karpagavalli, B.** and Amutha, S. (2015). Development of Pasta Products Using Cereal Pulse Blends. Asian Journal of Dairy & Food Research. 34(3): 213-218.
9. **Karpagavalli, B.** and Amutha, S. (2015). Influence of Storage Condition on the Antioxidant Activity of Pomegranate Squash. Plant Archives. 15 (1): 405-410.
10. **Karpagavalli, B.** and Amutha, S. (2015). In vitro Antioxidant Activity of Pomegranate Fruit. Trends in Biosciences. 8(22): 6116-6119.
11. Padmini T, **Karpagavalli B,** Vijayalakshmi R and Jesupriya Poornakala S. (2015). Changes in Antioxidants during Heat Processing of Green Leafy Vegetables. International Journal of Agricultural and Food Science. 5(4): 115-120.
12. Padmini T, **Karpagavalli B,** Vijayalakshmi R and Jesupriya Poornakala S. (2015). Effect Cooking Methods on Antioxidant Properties of Vegetables. International Journal of Current Research. 7(12): 23466-23470
13. **Karpagavalli, B.** and Amutha, S. (2014). Quality Evaluation and Antioxidant Potential of Aonla Ready to Serve (RTS) Beverage. Research Journal of Agricultural Sciences. 5(5): 869-873.
14. **Karpagavalli, B.,** Amutha, S., Padmini, T., Palanisamy, R. and Chandrakumar, K. (2014). Effect of Processing on Retention of Antioxidant Components in Value Added Amla Products. Indian Journal of Science and Technology. 7(5): 672-677.



15. **Karpagavalli, B.**, Subbulakshmi, B. and Rajesh, N. (2013). Pomegranate - Nature's Wonder Fruit. Plant Horti Tech. 12(6): 33-34.

**Additional / Special Qualification if any:**