

BIO DATA/ CURRICULUM VITAE

Dr. Paramesha Mahadevappa *MSc., PhD.,*

Professor

Department of Studies in Food Technology

*Areas of Specialization: Food Formulation, Functional Food,
Food Waste Management and Plant tissue culture.*

E mail : parameshbt@gmail.com

paramesham8@davangereuniversity.ac.in

Contact Number : 9481535168 ; 7892925582



Educational Qualifications

Sl. No.	Degree	Specialization/ Subjects	University	Year of Award/ Passing
1.	PhD.,	Plant Biotechnology	Kuvempu University Guide : Dr.C K RAMESH Co-Guide: Prof. V.KRISHNA	2010
2.	SLET	Life Sciences	University of Mysore	2015
3.	PG	Biotechnology	Kuvempu University	2003

Professional Details (Academic/Research Experience)

Sl. No.	Designation	Institution/University	Under Graduate/ Post Graduate	From	To
1.	Professor	Department of Food Technology, Davangere University, Davangere, Karnataka	Post Graduate	28 th June 2024	Till Date
2.	Associate Professor	Department of Food Technology, Davangere University, Davangere, Karnataka	Post Graduate	22 nd August 2019	28th June 2024
3.	Senior Technical Officer	CSIR - Central Food Technological Research Institut Mysore, Karnataka	Research Institute	13th February 2013	21st August 2019

Areas of Research Interest

1.	Food analysis, Nutraceuticals and Functional Food Formulations.
2.	Natural Pigments production and its value added products.

3.	Food waste management
4.	Plant tissue culture and augmentation of bioactive compounds.

Academic/Administrative responsibilities	
1.	Member, Board of Studies (PG) in Food Science and Technology, Mahathma Gandhi Karnataka State Rural Development University, Gadag, 2025.
2.	Chairman, Board of Examination (PG) in Food Science and Technology, Mahathma Gandhi Karnataka State Rural Development University, Gadag, 2025-26.
3.	Coordinator, All India Survey on Higher Education (AISHE), Davangere University, Davangere from 2023 to till date
4.	Chairman, Board of Examinations (PG) in Food Technology, DOS in Food Technology, Davangere University, Davangere, 2023-2024.
5.	Member, Board of Examinations (UG) in Food Technology, Depart of Food Technology, Mahathma Gandhi Karnataka State Rural Development University, Gadag, 2023-26.
6.	Member, Board of Examinations (PG) in Food Technology, Depart of Food Technology, Karnataka State Rural Development University, Gadag, 2022-25.
7.	Member, Board of Examinations (PG) in Food Technology, DOS in Food Technology, Davangere University, Davangere, 2021-2023; 2024-25.
8.	Member, Doctoral Assessment committee, in Food Technology, DOS in Food Technology, Davangere University, Davangere from 2019 to Till Date.
9.	Member, Board of Studies (UG) in Biotechnology, Sahyadri Science College (Autonomous) Shimoga, from 2007-2010 and from 2017 -2019.
10.	Member, Board of Examinations (UG) in Biotechnology, Sahyadri Science College (Autonomous) Shimoga, from 2007-2010.
11.	Member, Board of Studies (PG) in Biotechnology, Sahyadri Science College (Autonomous) Shimoga, from 2007-2009
12.	Member, Board of Examinations (PG) in Biotechnology, Sahyadri Science College (Autonomous) Shimoga, from 2007-10.
13.	Worked as PhD., Convenor at CSIR-CFTRI, Mysore from 2018 to 2019
14.	Worked as Member of Environmental Management System committee and documentation committee, An Environmental Management System (EMS) at CSIR-CFTRI, Mysore from 2017 to 2019
15.	Worked as internal auditor for Environmental Management System (EMS) at CSIR-CFTRI from 2013 to 2019
16.	Reviewer for national and international Journals like Food Chemistry, Medicinal Chemistry Research Applied Pharmaceutical Science, 3Biotech , Journal of International Journal of Pharmacognosy and Phytochemical Research (IJPPR), Frontiers Oncology Science 2020, Plant Food for Human Nutrition, Journal of Food Science and Technology (JFST), Foods (MDPI), Nutrients (MDPI) etc.,

Research Projects

Sl. No.	Title of the Project	Funding Agency	Project Budget (Rs. in lakhs)	Period	Status
1.	Investigations on metabolite profiling and betalains biosynthesis in Basella spp, -an edible leafy vegetable (as a CO-PI)	Department of Biotechnology, New Delhi	100	3yrs (2016-19)	Completed
2.	“Integrated approach for drying methods and preparation of functional food using Nutraceuticals from cereals and pulses.” (PI)	Vision Group on Science and Technology, Karnataka Science and Technology promotion society (KATePS), Department of Electronic, IT, BT and Science & Technology, Government of Karnataka.	3.0	2020-21	Completed

Research Guidance Details (PhD)					
Sl.No	Name of the Scholar	University	Registration month & Year	Research Area	Status
1.	Mrs. Chaya H C	Davangere University	February & 2020	Food Analysis & Functional Food Formulation	Completed
2.	Mr. Dattereyea G	Davangere University	January & 2022	Food Waste Management	Completed
3.	Mrs. Priyanka Bhakshi	Davangere University	January & 2023	---DO---	On going
4.	Mr. Mohan K. R.	Davangere University	April & 2024	Functional Food Formulation	On going
5.	Ms. Deepika H A	Davangere University	April & 2024	---DO---	On going
6.	Rakshitha N	Davangere University	June & 2025	---DO---	On going

Professional Membership	
1.	Life Member, The Society of Biological Chemists, India
2.	Life Member, Association of Food Scientists and Technologists (AFSTI) Mysore, India
3.	Life Member, Environment and Social Development Association (ESDA), Delhi, India

Professional Training	
1.	National Workshop on Bio-computing Tools Bioinformatics, 2004, Department of Studies in Biotechnology, Jana Sahyadri, Shankaraghatta, Shimoga, Karnataka, India.
2.	“Hands on training course in Advanced Cell and Molecular Biological Techniques.” Dec 1st – 21st, 2006, Dept. of Applied Botany and Biotechnology, Manasagangotri, University of Mysore, Mysore.
3.	Participated in Workshop on Intellectual Property Rights and Related Issues, conducted by CSIR-HRD, Ghaziabad in CSIR-CFTRI, Mysore, from 21st July to 22nd July, 2017.

As a Resource Person	
1.	Conducted State level workshop entitled “New Techniques in Biological Sciences” held at Lal Bahadur Arts, Science & S.B. Solabanna Shetty Commerce College (Autonomous), Sagar, Shimoga (D) Karnataka, India, 27th March 2012 and demonstrated molecular biological experiments.
2.	Delivered a lecture on “Recent Advances towards Development and Commercialization of Plant Cell Culture processes for synthesis of Biomolecules” in an UGC Sponsored National Conference entitled “Recent Trends & Advances in Life Sciences” held at KLE’s Society’s, P.C. Jabin Science College, Hubli, Karnataka, India, 6-7 March 2015
3.	Attending as a Visiting Faculty to Department of P.G. Studies and Research in Biotechnology, Sahyadri Science College (Autonomous), Kuvempu University, Shivamogga, Karnataka, India to deliver lecture and conduct practical classes for the UGC Sponsored Certificate Course entitled “Micropropagation techniques for commercial crops” Since 2014 to 2018.
4.	Delivered a Technical talk on Bioanalytical Techniques in Research in five days webinar entitled “Bioanalytical Techniques” held on 29th December 2020 to 2nd January 2021, organized by the forum “GENELIX-2020”, G M Institute of Technology, Davanagere.

Research Publication	
1.	Antibacterial activity of some Euphorbiaceae weeds against Pathogens. Paramesha Mahadevappa. , Raghavendra S., Ramesh CK., Manjunatha KS, Prakasha G. ICFAI Journal of Life Sciences. 2(2), 2008, 36-40.
2.	Studies on Anthelmintic, Antibacterial and Antiviral activities in Methanol extract from leaves of Carthamus tinctorius, Annigeri-2. Paramesha Mahadevappa. , Ramesh CK. Krishna V. Bioscan. 4(2), 2009, 301-304.
3.	Anthelmintic and Antimicrobial activities of Euphorbia tirucalli L. latex. Asha SK., Ramesh CK, Paramesha Mahadevappa. , Srikanth AV. Evaluation of Natural products - an Indian journal, Trade science Inc. 5(2), 2009, 45-49.
4.	Antihyperglycemic activity of methanolic extract of Carthamus tinctorius L., Annigeri-2.

	Paramesha Mahadevappa , Ramesh CK, Krishna V., Parvathi KMM., Kuppast IJ. Asian Journal of Experimental Sciences 23(3), 2009, 497-502.
5.	Anthelmintic activity of <i>Anogeissus latifolia</i> bark and leaf extracts. Parvathi KMM, Ramesh CK. Krishna V., Paramesha Mahadevappa . Asian Journal of Experimental Sciences. 23(3), 2009, 491-495.
6.	Antihyperglycemic activity of <i>Anogeissus latifolia</i> in streptozotocin induced diabetic rats. Parvathi KMM., Ramesh CK., Krishna V., Paramesha Mahadevappa ., Kuppast IJ. International journal of Chemical Sciences. 7(3), 2009, 1974-1982.
7.	Hypolipidemic activity of gum ghatti of <i>Anogeissus latifolia</i> ., Parvathi KMM., Ramesh CK., Krishna V., Paramesha Mahadevappa . Pharmacognosy Magazine 5(11), 2009, 11-14.
8.	Hepatoprotective and in vitro Antioxidant activity of <i>Carthamus tinctorius</i> L, var Annigeri2, an yielding crop, against CCl ₄ induced liver injury in rats. Paramesha Mahadevappa ., Ramesh CK*, Krishna V., Ravi Kumar YS., Parvathi KMM. Pharmacognosy Magazine. 7(28), 2011, 289-297.
9.	Characterization of Poly Phenol Oxidase in in vitro regenerated two Cultivars of <i>Mucuna</i> : <i>Mucuna pruriens</i> L. and <i>Mucuna prurita</i> H. Raghavendra S., Kumar V., Ramesh CK., Paramesha Mahadevappa ., Moinuddin Khan MH. Turkish Journal of Biology. 35, 2011, 575-583.
10.	A preliminary attempt for efficient genetic transformation and regeneration of legume <i>Mucuna pruriens</i> L. mediated by <i>Agrobacterium tumefaciens</i> . Raghavendra S., Kumara V., Ramesh CK., Paramesha Mahadevappa ., Moinuddin Khan MH. Turkish Journal of Biology. 36, 2012, 285-292.
11.	Evaluation of Antimicrobial and Anthelmintic Efficacy of Stem and Flower Extract of <i>Cuscuta reflexa</i> Roxb. - A Parasitic Plant. Paramesha Mahadevappa , Chapeyil Kumaran Ramesh, Sathyanarayana Raghavendra. Inventi impact: Planta Activa. 2014, 3.
12.	Biosynthesis and Characterization of Gold Nanoparticles by Using Mung Bean Seed Exudates. Thriveni T G, Paramesha Mahadevappa , Tippeswamy P, Manjanna. Inventi impact: Nanotech & Bionic Engg. 2014, 3, 1-4.
13.	Effect of dehydroabietylamine in angiogenesis and GSK3- β inhibition during wound healing activity in rats. Paramesha Mahadevappa , Chapeyil Kumaran Ramesh1, Sathyanarayana Raghavendra. Medicinal Chemistry Research. DOI 10.1007/s00044-014-1110-1, published online 11th July, 2014.
14.	Effect of dehydroabietylamine in angiogenesis and GSK3- β inhibition during wound healing activity in rats. Paramesha Mahadevappa , Chapeyil Kumaran Ramesh, Venkatarangaiah Krishna, H. Malleshappa Kumar Swamy, SJ Aditya Rao, and Joy Hoskerri. Medicinal Chemistry Research 24, no. 1 (2015): 295-303
15.	Influence of different cytokinins on direct shoot regeneration from the different explants of <i>Carthamus tinctorius</i> L. Var Annigeri-2 (A high oil-yielding variety). Paramesha Mahadevappa , Chapeyil Kumaran Ramesh, Venkatarangaiah Krishna, Sathyanarayana Raghavendra. Annals of Biological Research. 2014, 5 (10):14-20.
16.	Wound healing activity from the leaf extracts of <i>Morus laevigata</i> and in silico binding studies from its isolates with GSK3- β . Aditya Rao SJ, Jeevitha B, Smitha R, Ramesh CK, Paramesha Mahadevappa , Jamuna KS. International Journal of Research and Development in Pharmacy and Life Sciences. 2015, 4 (4): 1686-1696.
17.	Evaluation of Phytoconstituents, Nutrient Composition and Antioxidant properties in <i>Moringa oleifera</i> -Bhagya KDM 01 variety. Raghavendra S, Rajashekara E, Nagaraj MS, Ramesh CK, Paramesha Mahadevappa , Aditya Rao SJ. Current Trends in Biotechnology and Pharmacy. 2015, 9(4), 369.9.

18.	Comparative analysis of phytochemical profile, antioxidant activities and foam prevention abilities of whole fruit, pulp and seeds of <i>Embolia officinalis</i> Sinjitha S Nambiar, Paramesha Mahadevappa ., Nandini Prasad Shetty.. J Food Sci Technol. 2015, 52: 7254.
19.	Quantitative analysis of natural antioxidants and free radical scavenging Activities of cruciferae vegetables. Jamuna KS, Ramesh CK, Aditya Rao SJ, Paramesha Mahadevappa , Riaz Mahmood. Asian J Pharm Clin Res. 2017, Vol 10: Issue4, PP470-476.
20.	Bioprospecting of muntingia calabura: bioactive compounds and its antioxidant, antimicrobial and anthelmintic activity. Paramesha Mahadevappa , Triveni Tg, Ramesh Ck And Nataraj S. Innovare Journal of Sciences, Vol 5, Issue 5, 2017.
21.	Augmentation of pyrethrins content in callus of Chrysanthemum cinerariaefolium and establishing its insecticidal activity by molecular docking of NavMS Sodium Channel Pore receptor. Paramesha Mahadevappa ., Manivannan S, Aditya Rao SJ., Srikanth KS, Bhagyalakshmi Neelwarne, Nandini P.Shetty. 3 Biotech (2018)8:367.
22.	Evaluation of Various Drying Methods on Bioactives, Ascorbic acid and Antioxidant Potentials of Talinum triangulare L., foliage. Kumar S.S., Monisha Arya., Priyanka N., Giridhar P., Nandini P S., Sudheer K Y and Paramesha Mahadevappa* ., 2020. Plant Foods for Human Nutrition. DOI: 10.1007/s11130-020-00804-4.
23.	Evaluation of antioxidant potentials in seeds and sprouts of Eleusine coracana L. Manjunatha KS, Ramesh CK, Makari H K, Paramesha Mahadevappa . International Journal of Research and Analytical Reviews. 6(2). 98-105.
24.	"Influence of photoperiod on growth, bioactive compounds and antioxidant activity in callus cultures of Basella rubra L."Kumar, Sandopu Sravan, Monisha Arya, Paramesha Mahadevappa , and Parvatam Giridhar. Journal of Photochemistry and Photobiology B: Biology 209 (2020): 111937.
25.	"Dehydroabietylamine, a diterpene from Carthamus tinctorious L. showing antibacterial and anthelmintic effects with computational evidence." Aditya Rao. Sj,, Ramesh Ck. S, Raghavendra; and Paramesha Mahadevappa* . Current computer-aided drug design 16, no. 3 (2020): 231-237.
26.	"Bioactive isolates of Morus species as antibacterial agents and their in-silico profiling" Ramesh CK Aditya Rao, Venugopal TM, Jayanna ND, Paramesha Mahadevappa* . Letters in Drug Design & Discovery (2020):17(1).
27.	"The Synergistic role of serotonin and melatonin during temperature stress in promoting cell division, ethylene and isoflavones biosynthesis in Glycine max." Kumar, Gyanendra, Kirti R. Saad, Monisha Arya, Bijesh Puthusseri, Paramesha Mahadevappa , Nandini P. Shetty, and Parvatam Giridhar. Current Plant Biology 26 (2021): 100206.
28.	"Anti-proliferative activity of labdane diterpenes isolated from Polyalthia cerasoides and their molecular interaction studies". Ravi Kumar YS, Aditya Rao SJ , Usha BM, Bhupendra Verma and Paramesha Mahadevappa* . Curr Drug Discov Technol. 2022 May 11. (DOI: 10.2174/1570163819666220511154837)
29.	Evaluation of diosgenin content from eleven different Indian varieties of fenugreek and fenugreek leaf powder fortified bread. Paramesha Mahadevappa ., Priyanka, N., Crassina, K., & Shetty, N. P. Journal of Food Science and Technology. 2021 Dec;58:4746-54
30.	Comprehensive nutritional analysis, antioxidant activities, and bioactive compound characterization from seven selected cereals and pulses by UHPLC-HRMS/MS. Hulegaru Channakeshava Chaya, Sandopu Sravan Kumar, Shankar Jayram, Paramesha Mahadevappa* . ACS omega. 2022 Aug 25;7(35):31377-87.

31.	Cereals And Pulse Based Ready-To-Cook Formulations Optimization And Microbial Profiling During Shelf-Life For Sustainable Food Innovations. Hulegaru Channakeshava Chaya, Sandopu Sravan Kumar, Dattatreya Govindan, Shankar Jayram, Paramesha Mahadevappa* . IJFANS (International Journal of Food and Nutritional Sciences). Vol.12, Iss.1, 2023.
32.	Nutritional, bioactive potentials and antioxidant activities of processed green tea residue extracts against Hep-G2 and MCF-7 cell lines. Dattatreya Govindan ¹ , Sandopu Sravan Kumar ² , Deepika Haleklyadi Ananda, Hulegaru Channakeshava Chaya, Parvatam Giridhar, Ravikumar Y.S., Raghavendra Sathyanarayana, Paramesha Mahadevappa* . <i>J Food Sci Technol</i> (2025). https://doi.org/10.1007/s13197-025-06382-0
33.	A comprehensive review of ribosomal RNA-derived fragments (rRFs): Emerging insights and future directions. Kumar, YS Ravi, A. R. Bhavana, Areeba Aziz, Riya Roy, Amulya M. Reddy, Paramesha Mahadevappa , and Bhupendra Verma. <i>International Journal of Biological Macromolecules</i> (2025): 148265.
34.	CO ₂ capture and light driven photocatalytic conversion into useful compounds using neodymium doped bimetallic metal organic frameworks. Vinod, Divya, YS Ravi Kumar, Paramesha Mahadevappa , Jagadish Divya, Jijoe Samuel Prabagar, Mohammad Khalid, Shadma Wahab, Honnegowdanahalli Shivabasappa Nagendra Prasad, and Harikaranahalli Puttaiah Shivaraju. <i>Journal of CO₂ Utilization</i> 102 (2025): 103275.
35.	Bioactive Compounds in Mulberry: Their Implications in Health, Disease Prevention, and Food Processing. Mohan, Kuruppalli Ramanjappa, Deepika Halekalyadi Anand, Ravikumar Yelegara Siddappa, Priyanka Bakshi, and Paramesha Mahadevappa* . (2026). <i>Current Nutrition & Food Science</i> Bentham Science Publishers (Accepted)
36.	Investigation of Different Tea spent Waste Variants (Green Tea, Tea Dust, and Tea Granules) on the Growth and Biomass Production of Fenugreek (<i>Trigonella foenum-graecum</i>) for Sustainable Agriculture. Dattatreya Govindana, Madhubalaji Chegu Krishnamurthi, Sandopu Sravan Kumar, Parvatam Giridhar, Kurupalli Ramanjappa Mohana, Deepika Halekalyadi Ananda, Paramesha Mahadevappa* . IJFANS (International Journal of Food and Nutritional Sciences). Volume 14, Issue 05 2025
37.	Phytochemical Characterization and Anti-Proliferative Effects of Spent Tea Dust Bioactive Compounds against Hep-G2 and MCF-7 Cell Lines. Dattatreya Govindan, Sandopu Sravan Kumar, Kurupalli Ramanjappa Mohan, Deepika Halekalyadi Ananda, Parvatam Giridhar, Priyanka Bakshi, Ravikumar Yelegara Siddappa, Raghavendra Sathyanarayana and Paramesha Mahadevappa.* (2026). <i>Current Nutrition & Food Science</i> Bentham Science Publishers (Accepted)

SI No	Edited Book/Book Chapters
1.	"Application of Systems Biology methods in understanding the molecular mechanism of signalling pathways in the eukaryotic system" In <i>Frontiers in Computational Chemistry-Vol-5</i> , Edited by Zaheer Ul-Haq and Angela K Wilson. (2020) Bentham Science Publishers. pp 111-148, September.
2.	"Biosensor Technology: A Special Reference To Microbial Biosensor and Its Applications" In <i>Recent advances in Microbial, Agricultural and Environmental Biotechnology</i> . ISBN: 978-81-940490-6-7 (2022) Insc Publishers Pvt Ltd.,

3.	"Bioinoculants for Rapid Production of Vermicompost" In Enzymes for Pollutant Degradation. (2022) Singapore: Springer Nature Singapore
4.	"Biology for Engineers". ISBN: 978-93-56515-62-8. (2024) Narendra Publishing House, New Delhi
5.	"Biological Activities of Unripe Fruit Extract Such as Anti-Inflammatory, Antibacterial, Anti-Urease, and Anti- α -Amylase Effects" In Biotechnology and Phytochemical Prospects in Drug Discovery (2025) Singapore: Springer Nature Singapore

Personal Details		
Gender	Male	
Contact details	Dr.Paramesha M., Professor, Department of Studies in Food Technology, Shivagangotri, DavangereUniversity, Davangere-577007. Karnataka	Dr.Paramesha M S/O Late Mahadevappa N C, MIG-222, Ragaranjini, E-Block, KHB colony, II Stage, Kallahalli, Vinobanagar, Shivamogga-577204 Karnataka
Electronic address	Telephone- Mobile :9481535168 ; 7892925582 E mail : parameshbt@gmail.com; paramesham8@davangereuniversity.ac.in	