

CURRICULUM VITAE

DR. DINESHA B L



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Scientist

Department of Food Engineering
CSIR-Central Food Technological
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PERSONAL INFORMATION

Date of Birth : 2nd April 1990

Domicile : Karnataka (India)

ACADEMIC RECORD

Degree	Discipline	Year (Passing)	University
Doctorate	Ph.D. (Ag. Engg.) in Processing and Food Engineering	2019	University of Agricultural Sciences Raichur, Karnataka India
Masters	M.Tech.(Ag. Engg.) in Processing and Food Engineering	2014	University of Agricultural Sciences Raichur, Karnataka India
Bachelor	B.Tech. (Ag. Engg.)	2012	University of Agricultural Sciences GKVK, Bengaluru

ACADEMIC PROJECTS / RESEARCH EXECUTED

- **Research Project at PhD:** Development and Performance Evaluation of Nano-adsorbent Filter System for Dairy Plant Effluent Treatment.
- **Research Project at PG e:** Standardization of Supercritical Fluid Extraction (SFE) process for Moringa (*Moringa oleifera Lam.*) Seed Kernel Oil.
- **Research Project at UG:** Development and Evaluation of Pedal Operated Root Crop Washer.

TECHNICAL SKILLS

- Experienced to handle advanced food quality analysis and nonmaterial's characterization instruments.
- Proficient in the use of MS-Office (MS-Word, MS-Excel, MS-Power Point, MS-Access, Chat GPT).
- Working knowledge of **MATLAB** programming, Design Expert, Lab Origin, SPSS, and Prism-GraphPad.
- Preparation of project proposal, reports, patents and manuscript.

PROFESSIONAL EXPERIENCE

- Served as, SRF: 7 months at Department of Processing and Food Engineering, UAS Raichur, and 8 months at Centre for Nanotechnology, UAS Raichur, RA: 8 months at Dept of Agricultural Engineering, Kerala Agricultural University, Thrissur, Kerala. Presently I am working as a Principal Investigator Cum Young Scientist (From 3rd August 2020 to 2nd August 2023) under DST-SYST project at Centre for Nanotechnology, UAS Raichur.
- Taught theory and practical classes for UG, PG and Ph.D students on the following subjects;
 - ✓ Processing and Food Engineering: Engineering Properties of Biological Materials; Unit Operations in Food Processing; Food Packaging; Drying, and Advanced Food Process Engineering.
 - ✓ Nanotechnology: Application of Nanoscience and Technology in Food and Agriculture.
 - ✓ Agriculture: Protected Cultivation and Agro-processing
- Involved in the development of practical manuals, study materials, leaflets, PPT's and other teaching aids.
- Developed the SOP's for food quality analytical instruments and nano-particles characterisation equipments.
- Actively involved in taking classes for the "Diploma in Agricultural Extension Services for Input Dealers (DAESI)".
- Prepared the schedule of activities for "Skill Development Training on Processing and Value Addition for Agri-Horticultural Produce".

PUBLICATIONS

1. Research articles published in national/international journals: 28 (Max. Impact factor: 5.8, Citations: 83, H-Index-6 and i10-index 4)
2. Abstracts published in conference/symposium/seminars : 35
3. Book chapter published : 7 (CRC press, Apple Academic Press, New Delhi Publisher)
4. Reviewer for the Elsevier and Springer publishers.

GRANTS AND FELLOWSHIPS

- **DST-SYST grant** received on 2020. Project entitled "Development and evaluation of commercial scale nano adsorbent filter system for dairy plant effluent treatment". Budget- Rs. 43 Lakhs.
- Obtained **CSIR-SRF Fellowship** awarded by Council of Scientific and Industrial Research Human Resource Development Group (Extra Mural Research Division-I) CSIR Complex, Library Avenue, Pusa, New Delhi.

AWARDS/RECOGNITIONS

- **Second Best Poster Presentation Award-** Karnataka State Agricultural Engineer's Conference, UAS, Bangalore.
- **First Best Poster Presentation Award-** National Conference on Science and Technology, conducted by Vijayanagara Sri Krishna Devaraya University, Bellary, under collaboration with KSDA.
- **Young Scientist Award:** International Conference on Food and Agriculture, Endling conferences, Pune, Maharashtra.
- **First Best Research Paper (Oral Presentation) Award-** First Post-Graduate Research Conference, University of Agricultural Sciences, Raichur-584104.
- **First Best Poster Presentation Award-** 8th International Food Convention at CSIR-CFTRI, Mysore,

India.

- **Outstanding M. Tech Thesis Award-** On the Occasion of National Conference on Doubling the Farmers Income for Sustainable Harmonious Agriculture (DISHA-2018) at Ranchi, India.
- **Bengaluru India Nano-2022- Best poster award-** Bengaluru India Nano-2022 Virtual Event, Department of Electronics, IT, Bt, and S&T, and Dept. of Commerce and Industries, Government of Karnataka.
- **IEI Young Engineers Award-** IEI Hosur Local Centre, Hosur, Tamil Nadu.

PATENTS AND TECHNOLOGY TRANSFERRED

- Three Indian Patents were granted for process technologies development
- Technology transferred to the Karnataka Milk Federation (KMF), Raichur

LIFE MEMBERSHIP IN PROFESSIONAL SOCIETIES

- Life Member of Association of Food Scientists and Technologists (India), CSIR-CFTRI, Mysuru-570 020, Karnataka, India. (**Membership No. AFST/3/LM/2018/RCH/1893**)
- Life Member of The Institution of Engineers (India) (**Membership number – AM3023764**)

OTHER ACADEMIC ACHIEVEMENTS

- Cleared ICAR- NET in the subject area of Agricultural Structures and Process Engineering, Conducted by Agricultural Scientists Recruitment Board (ASRB), New Delhi.
- Completed PG Diploma in Dairy Technology, and Intellectual Properties Rights from Annamalai University, Chidambaram, Tamil Nadu.
- Delivered 10 oral presentation and 20 poster presentations in national and international conferences.

TRAININGS

- Nineteen training programmes were completed related to Agricultural Engineering, Processing and Food Engineering, Nanotechnology.