

Curriculum Vitae

Name:Ms. Surekha Bhimrao Dabhade

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Date of Birth:07/07/1988



Academic Credentials

Class/ Degree	Specialization	Institution/Coll ege	University/ Board	Yea r	%/CGP A	Class
M. Tech.	Agricultural Systems And Management	IIT, Kharagpur	IIT, Kharagpur	2012	8.25	1 st
B.Tech.	Agricultural Engineering	College of Agricultural engineering	Dr.PDKV Akola	2010	7.77	1 st
HSC	Science	S.R.Patil Science and Comm.Jr.Colle ge	Maharashtra State board	2006	61.25	1 st
SSC	-	Prajakta Kanya School,Akola	Maharashtra State board	2004	74.00	1 st

M. Tech. Project: Economic Design of Sprinkler Irrigation Laterals

Key Research Areas:

- Automation in irrigation
- Mechanization of advanced irrigation systems.

Other Credentials:

- Secured 05 All India Rank in JRF/SRF Exam conducted by **ICAR** in 2024
- Secured 08 All India Rank in JRF Exam conducted by **ICAR** in 2022.
- Successfully cleared **GATE** (Graduate Aptitude Test in Engineering) with 191 All India Rank in 2010.
- Received M.H.R.D. scholarship from Government of India for Post M.Tech. from **IIT, Kharagpur** in 2010-12.

Experience

Sr. No.	Organization	Post	From To	No. of Years
1	Maharashtra Institute of Technology (An Autonomous Institute), Sambhajinagar Chhatrapati	Assistant Professor	13 th April 2015 to Till date	10
2	Supa Agricultural Research Group (SARG) Vikas Samiti Akola	Project Manager	1 st Oct 2012 to 30 th March- 2014	2
3	Dr. U Patil College of Agriculture and Agril. Engineering & Technology, Jalgaon, Maharashtra	Assistant Professor	7 th June to 30 th Sep -2012	4 month

List of Courses Taught/Teaching at UG level :

Taught/teaching following courses at UG level at Maharashtra institute of Technology Aurangabad

- Irrigation And Drainage Engg.
- Ground Water, Wells and Pumps
- Fluid Mechanics
- Soil Mechanics
- Irrigation Engineering
- Micro Irrigation System Design
- Green House Technology
- Watershed Planning And Management
- Drainage Engineering
- Dairy Technology

Additional Assignments/Duties

- Class teacher of Second Year B.Tech Agril.Engg.
- Class Test coordinator
- Term Work Coordinator
- Practical Oral Exam Coordinator
- Soil and water conservation lab Incharge
- UG Project Coordinator

- FY Admission committee Member

Membership of Professional Bodies

1. Life member of The Indian Society For Technical Education(ISTE)
2. MIE of Institution of Engineers(India)

Computer/Software Proficiency

- **Applications:** ArcGIS, ERDAS IMAGINE & MS Office
- **MS - CIT**
- **MATLAB Programming**

NPTEL Courses

- Successfully Completed the course **“NBA Accreditation and Teaching learning in Engineering” With Score Elite, Jan-April 2024(12 week), AICTE Approved FDP**
- Successfully Completed the course **“Machine Learning for Soil and Crop Management” With Score Elite, Jan-April 2022(12 week), AICTE Approved FDP**
- Successfully Completed the course **“Research methodology ” With Score Elite, Jan-March 2025(08 week), AICTE Approved FDP**

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference Attended

- Successfully attended 5 days FDP (Online) on **“Advanced Technology And Trends in Robotics”** organized by Department of Mechanical Engg., SR Univerisity, Warngal India during 24 -28 Feb 2025
- Participated in International Agriculture conference entitled Navigating Unique Trends in Agricultural Research , Innovation, Engineering Nutrition and Technology **“NUTRIENT - 2025”** Organized by BGGI, & Agri meet Foundation Bharat in knowledge partnership with ICAR Delhi and others held during 20-21 Feb 2025
- Participated and successfully completed AICTE Training and Learning (ATAI) Academy Faculty Development program on **“Leveraging cutting edge technology for Sustainable Agricultural Practices”** at CSMSS Chh. Shahu College of Engineering from **02/12/2024- 07/12/2024**
- Successfully completed **“NEP 2020 orientation and sensitization Programme”** under MM-TTP of UGC organized by UGC- Malaviya Mission Training centre,Dr.BAMU Chh.Sambhajinagar from 05-14/02/2024
- Poster Presentation in National Conference on Innovative Technologies and Entrepreneurship Development in Agriculture” organized by Agril.Engg. Dr.PDKV Akola during 7-8 March 2024
- Successfully attended the 15 Days Online International Trainings cum Workshop Program Organized by Just Agricultural Education Groups And AEEFWS **“Agricultural 5.0- Next level towards Smart Farming, Innovation And entrepreneurship”** from **15-26 Aug 2023**

- Successfully attended the **21 Days International Training cum Workshop** Program organized by AEEFWS on “**Agriculture 3.0- A futuristic approach towards Smart Agriculture And Sustainable Urban Farming**” during **30th April to 20th May 2022**.
- Participated and successfully completed **5-Days FDP** on the theme “**Inculcating Universal Human values in Technical Education**” organised by AICTE from **26-30 July 2021**.
- Participated and successfully completed **FOUR WEEK** hands on training on “**Application of computer aided Engineering in Agriculture** during **07th June to 03 July 2021** organised by CAAST,VNMKV Parbhani, MS.
- Participated and successfully completed **ONE WEEK** online training programme on ‘**Fundamental of Drone Technology for Precision Agriculture**’ organized by CAAST,MPKV, Rahuri-**April 25-30,2020**
- Participated and successfully completed **Seven Days National workshop** on “**Research Methods and Techniques**” organized by RA D.V.A college ,Mumbai in association with the Mumbai University as a requirement for CAS in accordance with the regulation of the UGC
- Successfully completed **Two Week** online FDP on “**Effective use of ICT tools in online teaching**” from **22 June to 04 July 2020**
- Successfully completed **Two Week FDP (MOOK)** on “**Effective Use of ICT Tools in Online Teaching**” Organized by IQAC and Development of Electronics and Telecommunication Department, MIT, Aurangabad on GNOMIO site by Department of Pharmacy Government Polytechnics, Jalgaon from **22nd June to 04th June-2020**.
- Participated and successfully completed **One Week** online training program on “**Introduction to “Matlab And Its Application In Climate Smart Agriculture**” Organized By CAAST,Under The National Agricultural Higher Education Project(NAHEP) of Indian Council Of Agricultural Research(ICAR) New Delhi During **April-25-30 ,2020**
- Participated and successfully completed **Four days** online training on “**Fuzzy logic and its application for climate smart agriculture**” organized by CAAST-CSAWM ,MPKV Rahuri, **April-16-19 ,2020**

- Completed successfully online course o” **RS and GIS Application in Watershed Management**” Conducted by **Institute of Remote Sensing(IIRS)** during **April 08 to 15 April 15-2019**
- Attended two days FDP on **“Statistical Techniques And Data Analysis”** during July Organized by **Department of Agricultural Engineering, MIT(T) Aurangabad, 07to July 08- 2018**
- Attended two days training on **“Statistical Data Analysis”** Organized by **Department of Agricultural Engineering** at MIT(T) Aurangabad, **(14th to15th March 2016)**
- Attended one week training on **“Empowering Faculty in English Communication And Soft Skills”**at MIT(T) Aurangabad **(11th to 16th Jan-2016)**
- Participated and successfully completed **One Month** training on **Organic Farming Training at Akola (Dec-2013)**
- Participated and successfully completed **One Month** training at **Central Farm Machinery Training and Testing Institute, Budni (May-2008)**
- Participated and successfully completed **One Month** training at **Water and Land Management Institute, Aurangabad (May-2009)**

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference organized

- Successfully contribute as **Organizing member** of National Conference **“ATAFE” 2017** ,Department of Agricultural Engineering ,MIT(T), Aurangabad,**07-08, April 2017.**
- Successfully contribute in an **“Organizing committee”** in organizing an **e-Faculty Development Programm (FDP) cum Workshop** on **“Waste to Bioenergy”** by Department of life Sciences,Sharda University,UP and Department of Agricultural Engenneering ,MIT ,Auranagabd held from **June-28th to July 4,2020**
- **Organizing coordinator** of certificate course on **“Digital Farming”-2021**, Department of Agricultural Engineering ,MIT(T), Aurangabad,**21st -24th June 2022**
- **Organizing coordinator** of Webinar series on **“Recent Trends in Agricultural Engineering”** held on **July 27 to 31 July,2022**

Research Projects/Projects Guided

- **“AGRIEQUIU: Design and Develop renting agricultural equipment through internet”** UG)

- Design and Develop Mobile application for Automated Irrigation system in Greenhouse (UG)
- Design And Development Of Low Cost Aero Phonic System(UG)
- Design And Development of Low Cost Green House Structure (UG)
- Study of Effect of Gamma Irradiation on functional properties of starch isolated from irradiated wheat grains and chickpeas (Co- Guide PG)
- Studies on Heavy Metal Analysis From Leafy Vegetables And Their effect on Processing(Co- Guide PG)
- Development Of Extruded Snack By Using of Multi Grains And Pomace Powder(Co- Guide PG)
- Development of Bread By Utilizing Brewery Waste(Co- Guide PG)
- Development And Quality Evaluation of Pineapple Pomace Fortified Biscuits(Co- Guide PG)
- Preparation of Wood Apple Seed Protein Concentrate and Its Fortified Yogurt(Co- Guide PG)

List of Research Publications

Papers in National/ International Journal:

Sr. No.	Title of paper published	Author name	Name of journal	Volume /Year/page No.
1	Drying study on <i>Bryophyllum pinnatum</i> leaves powder and its fortification in food product	Shital R. Pawar and Surekha B. Dabhade	International Journal of Agricultural Engineering	Volume 11 Sp. Issue, April 2018 Issue, 155-158
2	Identification of Novel Food Additive Antioxidant from <i>Psidium Guajava</i> , <i>Moringa Oleifera</i> , <i>Punica Granatum</i> Blend Leaves Extracts	Sabila R. Mirzal and Surekha B. Dabhade	International Research Journal of Engineering and Technology (IRJET)	Volume: 05 Issue: 05 May 2018, Page No. 1294-1304
3	A. Review:Refining of palm oil: A review on palm oil refining process, 3-MCPD esters in refined palm oil, and possible reduction tactics for 3-MCPD esters	Pratik Vispute and Surekha Dabhade	International Journal of Agricultural Engineering	Volume 11 Sp. Issue, April Issue, 81-85
4	A Review: Utilization of Agricultural Waste in India	Vispute Pratik1, Dabhade Surekha	International Journal of Science and Research (IJSR)	Volume 7 Issue 1, January 2018
5	A review on studies of	D. A. Thoke*	An	VOL. VIII,

	determination of heavy metals present in green leafy vegetables by Various methods	and S. B. Dabhade	International Refereed, Peer Reviewed & Indexed Quarterly Journal in Science, Agriculture & Engineering	ISSUE XXV, APRIL 2018
6	Quality characteristics of rusk prepared from soybean and oat based composite flour	S. D. Dalal, S.B. Dabhade , D.T. Bornare and K.P. Babar	FOOD SCIENCE RESEARCH JOURNAL	Volume 9 Issue 2 October, 2018 415-422
7	Optimization of palm oil refining process for reduction of 3-monochloropropane-1,2-diol ester to obtain low MCPD palm oil	Vispute Pratik and Dabhade Surekha	International Journal of Agricultural Engineering	Volume 11 Issue 2 October, 2018 305-313
8	Development and quality evaluation of Pineapple Pomace Powder fortified biscuits	Sadal KB, Dabhade SB and Bornare DT	International Journal of Chemical Studies	6(4): 1019-1023, July 2018
9.	Studies on development of herbal tea with incorporation of <i>cordia dichotoma</i>	Ms. Z.M. Patel Dr. D.T. Bornare Ms. S.B. Dabhade	International Journal of Scientific Research in Engineering and Management (IJSREM)	Volume: 06 Issue: 10 October - 2022

Date: 11/04/2025

Ms.S.B. Dabhade

Place: Chhatrapati Sambhajinagar