

Deepak Bornare

Assistant Professor

working as assistant professor in Agricultural Engineering Department and deputed as Deputy Director at MIT-CARS.



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SKILLS

Hardworking

Leadership

Decision Making

Accepting new challenges

Ability to Work Under Pressure.

Time Management.

Conflict Resolution.

Self-motivation.

EDUCATION

Ph.D in Natural Resources Engineering

Indian Institute of Technology(IIT), Bombay

12/2014 – Present

Thesis Submitted

Thesis

- Development of Techniques in Improving Irrigation Water Quality Parameters and Validation

M.E. in Water Resources Engineering

Government College of Engineering, Aurangabad-431001

06/2010 – 12/2012

GPA-8.125

Dissertation

- Watershed Development Assessment Using Remote Sensing and GIS-case study of Sonari Watershed

B.Tech.in Agricultural Engineering

Dr.Annasaheb Shinde College Of Agricultural Engineering, Rahuri

06/1998 – 06/2005

GPA-6.68

Project

- Performance testing of CIAE Make Dhal Mill.

WORK EXPERIENCE

Deputy Director

MIT-Center For Analytical Research & Studies, Aurangabad [📍](#)

07/2018 – Present

Aurangabad,India

Analytical Research & consultancy enterprise accredited by NABL & recognised by DSIR, Department of Agriculture

Achievements/Tasks

- Establishment of state of art Analytical facility and functioning it as an operational head with yearly turnover Rs. 1 cr. plus per year.
- Handling multiple consultancy projects from Government and private clients.
- Recruitment of manpower and training.
- Handling research and funded projects.
- Responsible for upgradation and continuation of accreditation by NABL, ISO, OSHAS and recognition by CPCB, DSIR, Agriculture Department.
- Attending the continuous on-site extension programme with the help of Mobile soil laboratory and providing consultancy to farmers, students, industry corporates and researchers.

Contact: Director – 0240-2375330

WORK EXPERIENCE

Assistant Professor (Agricultural Engineering)

Maharashtra Institute of Technology

08/2007 – Present

Aurangabad, India

Department of Agricultural Engineering is an AICTE approved Engineering Institute at Aurangabad.

Achievements/Tasks

- Coordinated house projects and student training in the area of agricultural engineering.
- Supervised 24 M.Tech Food Processing Students.
- Supporting administrative responsibilities.

Contact: Principal, MIT, Aurangabad – 0240-2375222

Assistant Lecturer (Agricultural Engineering)

College of Engineering, Pandharpur

07/2005 – 08/2007

Pandharpur, Solapur District, India

College of Engineering Pandharpur is a AICTE approved Engineering college runs a Degree course of B.E. in Agricultural Engineering

Achievements/Tasks

- Taught agricultural engineering subjects for the batch of 60 students.
- Coordinated mini projects.
- Supporting administrative responsibilities.

Contact: Principal – 02186-216063

TECHNICAL SKILLS

Sophisticated Instruments ICP-OES, HPLC, GCMS, AAS, Spectroscopy

Softwares QGIS, CROPWAT, SAGA, SURFUR

Development Project design & implementation, Turn Key project

CONFERENCES

International Conference on Agribusiness in Emerging Economics (01/2016)

Institute of Rural Management Anand (IRMA) & Whitman School of Management and South Asia Centre at Syracuse University, USA

- Paper presented on "Whither Sustainable Rural Development".

International conference on Global Water Security for Agriculture and Natural Resources (10/2018)

American Society of Agricultural and Biological Engineers (ASABE)

- Development and performance of device in Improving the Irrigation Water Quality

9th International Micro Irrigation Conference (9IMIC), 16-18 January 2018, in Aurangabad, India (01/2019)

Indian National Committee on Surface Water (INCSW) and International Commission on Irrigation & Drainage (ICID)

- Irrigation water quality management for rain fed agriculture in semi-arid region using magnetization techniques

1st International Conference on Climate Change and adoptive crop protection for sustainable agri-horticulture landscape (12/2018)

ICAR-NRC Seed Spices, Tabeeji, Ajmer, Rajasthan

- A technology for Irrigation Water Quality Improvement of rain-fed agriculture in arid and semi-arid regions

CERTIFICATES

one month Summer school on Foundations and methods of Agricultural Economics and Policy for Sustainable Mountainous Development. (09/2017)

Organized at College of Natural Resources, Royal University of Bhutan & Humboldt university of Berlin and University of Hohenheim with support of German Academic Exchange Services (DAAD)

one month winter School on Geospatial Technology (2014)

Parvatibai Chowgule college, Margao, Goa funded by the Department of Science and Technology, Government of India

One Month Training on Grain storage & management (2003)

Indian Grain Storage Research & Management Institute, Hapur, (U.P.)

One Week Training On Soil Testing & Fertilizer Use (2007)

Vasantdada Sugar Institute Pune & MPKV Rahuri.

CERTIFICATES

one week workshop on Hydropower & Environment (2008)

G. B. Pant University Of Agriculture & Technology Pantnagar-263145, Uttarakhand sponsored by AICTE New Delhi & ISTE New Delhi

one week hands on training on Introduction to ArcGIS Desktop 10.0 (2010)

Khagolam Institute of Geoinformatics,Thane

PROJECTS

Development and implementation of Mobile soil testing laboratory (2010 – 2014)

- Grant Fetched:56,00,000/-.
- Nation Agriculture Development Programme programme sponsored and funded by the Government of India.

Village wise land fertility determination programme -2010. (2010 – 2012)

- Grant Fetched : Rs 675670 /-.
- Nation Agriculture Development Programme programme sponsored and funded by the Government of India.

Village wise land fertility determination programme -2013. (2013 – 2014)

- Grant Fetched : Rs. 1074150/-.
- Nation Agriculture Development Programme programme sponsored and funded by the Government of India.

National Sustainable Agriculture development Programme. (01/2015 – 12/2015)

- Grant Fetched: 1812000/-.
- Nation Agriculture Development Programme programme sponsored and funded by the Government of India.

National Sustainable Agriculture development Programme. (2015 – 2017)

- Grant Fetched: 4200000/-.
- Nation Agriculture Development Programme programme sponsored and funded by the Government of India.

National Sustainable Agriculture development Programme. (2017 – Present)

- Grant sanctioned: 3900000/-.
- Nation Agriculture Development Programme programme sponsored and funded by the Government of India.

PUBLICATIONS

online-Open Access

Improvement of supplementary irrigation water quality for rain-fed agriculture in the semi-arid region using magnetization techniques

Author(s)

Deepak Bornare*,Nagarajan R.,Rajiv Barge

December 2018

Volume 10, Number 12, December 2018.

Journal of Water Resource and Protection (JWARP)

Print

Watershed Development Assessment Using Remote Sensing and GIS-case study of Sonari Watershed

Author(s)

Deepak Bornare*,Dr.K.A.Patil

December 2012

Volume 1,30-33

Journal Bionano Frontier Journal

Print

Identification and prioritization of critical sub-watersheds using SWAT model.

Author(s)

V. G. Jadhao, D. T. Bornare, M. P. Tripathi

2009

Vol. 2 Issue1. April to Sept., 2009

International Journal of Agricultural Engineering (IJAE)

Print

Antibacterial Activity of Nigella sativa L. Seed Oil Against Pathogenic Bacteria

Author(s)

Syed Sajeed Ali, D.T. Bornare and J.Y. Pathan

2015

8 (6):

Journal of Pure and Applied Microbiology

Publication Type

Studies on cauliflower leaves powder and its waste utilization in traditional product.

Author(s)

SA Pankar, DT Bornare

2018

11 (Special Issue), 95-98

International Journal of Agricultural Engineering (NAAS-4.43)

Publication Type

Effect of Indian gooseberry juice on physico-chemical and sensory quality characteristics of soybean based yoghurt

Author(s)

AG Survase, DT Bornare, KP Babar

2018

6 (3), 3295-3300

International Journal of Chemical Studies (NAAS 5.31)