

Deepak Bornare

Dy. Director

(MIT-Center for Analytical research & Studies)

Director (Operations),

MIT-Agriculture Research & Demonstration Center

Head & Associate Professor

Department of Agricultural Engineering,

MIT(Autonomous), Aurangabad



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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

12/2014–2019

Completed

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

Associate Professor & Head (Agricultural Engineering) Maharashtra Institute of Technology (Autonomous Institute)

08/2021 – Present

Department of Agricultural Engineering is an AICTE approved Engineering Institute at Aurangabad. *Achievements/Tasks*

- Handling Administration and academic activities.
- Team leading and act as Chairman Board of
- Studies Supporting administrative responsibilities.

Contact: Director, MIT, Aurangabad – 0240-2375222

Aurangabad, India

Assistant Professor (Agricultural Engineering)

Maharashtra Institute of Technology

08/2007 – 04/2021

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

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

Pandharpur, Solapur District, India

TECHNICAL SKILLS

Sophisticated Instruments	ICP-OES, HPLC, GCMS, AAS, Spectroscopy
Softwares	QGIS, CROPWAT, SAGA, SURFUR
Development	Project design & implementation, Turn Key project
QMS	ISO 9001, ISO 17025:2017 (NABL)

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)

- 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 agriculture land scape (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

SCHOOLS & INTERNATIONAL VISITS

one week Capacity Building Programme on Climate change, Montevideo, Uruguay. (05/2021)

Organized at Adole at Montevideo, Uruguay with support of European Commission

one-month summer school on Sustainable Agriculture Solution, Israel. (05/2019)

Organized at Ben Gurion University, Negev, Israel with support of Technical Department, Government of Israel

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

Organized at College of Natural Resources, Royal University of Bhutan & Humboldt universit5y 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, Margo, Goa funded by the Department of Science and Technology, Government of India

One Month Training on Grain storage & management, Utter Pradesh (2003)

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

One Week Training on Soil Testing & Fertilizer Use, Pune (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

PATENTS (Under Examination)

1.Establish test procedures as per international and Indian standard to test the biodegradability of biodegradable plastics material, and study of effect of molecular weight of polymer on biodegradability. (Patent no.202021034378 filed on 11/08/2020)

2.Development of edible coating and films to extend the shelf life of perishable food and ready to eat food. (Patent no.202021034377 filed on11/08/2020)

3. Development process of manufacturing of edible crockery. (Patent no.202021034375filed on11/08/2020)

PROJECTS

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

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

National Sustainable Agriculture Development Programme. (01/2015 - 12/2015)

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

National Sustainable Agriculture Development Programme. (2015 - 2017)

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

National Sustainable Agriculture Development Programme. (2017 - Present)

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

PUBLICATIONS

1. [https://orcid.org/ 0000-0002-9279-317X](https://orcid.org/0000-0002-9279-317X)
2. [Scopus Author ID: 57384484300](#)
More than twenty Scopus Q1,Q2,Q3,Q4 high impact factor Paper published

AWARDS & RECOGNITIONS

1. Techers award by Rotary Club of India (2021)
2. Recognized as Government Analyst Through Gazette notification by Central Pollution Control Board New Delhi (2018 to till)
3. Chartered Engineer by Institution of India, Kolkata

Institutional Membership

1. Life Member, Indian society of Technical Education, New Delhi
2. Corporate Member, Indian society of Agricultural Engineers (India), New Delhi
3. Member, Institution of Engineers (India), Kolkata
4. Member, Association of Food Scientist and Technologist (AFST) India

Board of Studies

1. Chairman, BOS, Agricultural Engineering, MIT(Autonomous), Aurangabad
2. Member, BOS, Vocational Degree Programme, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
3. Elected Member, College Development Committee, MIT (Autonomous), Aurangabad
4. Member, Purchase Committee, Gopinath Mundhe National Rural Development Institute, Aurangabad
5. Member, Research committee, MIT (Autonomous), Aurangabad
6. Member, BOS, B.VOC Food Processing Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
7. Member, Curriculum Development Committee, Diploma Agricultural engineering, MSBTE, Mumbai
8. Member, Ad-Hoc Board, B.VOC. Farm Equipment & Machinery, Marathwada Institute of Technology, Aurangabad.

Date: 16/05/2022
Place: Aurangabad

Sd/-
Dr. Deepak Tryambak Bornare