

**Dr. Uday Manoharrao Khodke**, *B. Tech. (Ag. Engg.), M. Tech. (IDE), Ph. D. (SWE)*

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### **Educational Qualification**

- B. Tech. (Agril. Engg) First Class from Dr PDKV Akola
- M. Tech. (Agril. Engg.) First Class from Dr PDKV Akola
- Ph. D. (Agril. Engg.) Excellent Class from IIT Khragapur
- **Citation 115 H-Index: 5; i10- Index: 3;**

### **Summary of Experience as on 10-04-2019**

- In the cadre of Assistant Professor 7 Years 11 Months
- In the Cadre of Associate Professor 8 Years
- In the Cadre of Professor (CAS) 14 Years 11 Months
- In the Cadre of Head of Department 4 Months

**Total Experience 31 Years 2 months**

(Experience as Chief Scientist, Irrigation Water Management – 8 Years)

### **Awards**

- **R S. Malhotra Best Research Scientist Award** in 2013 for the development of Irrigation & Management technologies through Micro-irrigation.
- **Vasantrao Naik Memorial Gold Medal** in 2008 by Vasantrao Naik Memorial Trust for best research on crop planning based on rainfall and crop evapotranspiration analysis in semi arid region
- **Commendation medal** by ISAE in 2011 for outstanding contribution in the field of Soil and Water Engineering
- **Distinguish Service Certificate** by ISAE in 2007 in recognition of distinguished services in the field of soil and water conservation
- **Best Poster Presentation Award** by in 2007 by ISSS for paper on heavy metal transport in fly ash and sewage sludge treated soils.
- **Best Paper Award** in 2012 by Maharashtra Sinchan Sahyog

### **Fellowship of Professional Society**

- Fellow of **Indian Society of Agricultural Engineers** (F-182)
- Fellow of **Institution of Engineers (India)** (F-118426-5)
- Fellow of **Indian Water Resources Society** (F-2011-1297)

### **Member of Professional Societies**

- Life Member of **Indian Society of Agricultural Engineers**
- Life Member of **Institution of Engineers (India)**
- Life Member of **Soil Conservation Society of India**
- Life Member of **Indian Association of Soil & Water Conservationists**
- Life Member of **Indian Water Resources Society**
- Life Member of **Association of Agrometereologists**

### **International Courses Attended**

- International Course on **Irrigation and Extension at CINADCO, Israel** during May 12-July 8, 1996
- International course on **Rural Hydrology at Ruhr-University Bochum Germany**, organized by IGSB during July 23 to August 4, 2012.

### **Externally Funded Projects**

- PI of RKVY – Govt. Of Maharashtra project on Development of Irrigation Potential for enhancing seed production (Total Grants: Rs. 1302 Lakhs)
- PI of for Product Testing Project on Specialty Grade Soluble Fertilizers (Total Grants 1.25 Lakhs)

### **Research Publications**

- Research Papers in Journals: **38** (International- 8; National -30)
- Full length Research Papers in the Proceedings of Conferences/Seminars: **48** (**International -17, National- 31**)
- Books: **8** (International -1; National -2; Others-5)
- Book Chapters: **5** (International -3; National -2)
- Manuals- **15**
- Extension/ Technical articles- **130**

### **Member on National and State Level Committees**

- **National Coordinator** for formulation of UG syllabus for B. Tech. (Ag. Engg.) in Irrigation & Drainage Engineering
- **Member** State Level Committee on Micro-irrigation (Since 2004)
- **Member** State Level committee on Implements (Since 2012)

### **Member of academic/ education and research related statutory bodies**

- **Convener** for Research in Ag. Engineering at University Level (**2013-2016 and 2018 onwards**)
- **Member** on Academic Council, Extension Education Council at University Level (**2012 onwards**)
- **Chairman** Board of Studies in Agricultural Engineering in University(Since 2012)
- **Chairman** Board of Studies in Irrigation and Drainage Engineering in University (2003-2008)
- **Member of Internal Quality Assessment Cell** of MPKV Rahuri and Dr PDKV Akola

## **Organization and Resource person for Trainings/ Works shop/ Winter School/ Short Courses/ Seminar**

- **Organized** ICAR Sponsored Short course on Micro-irrigation & Fertigation for enhancing input use efficiency (Nov- Dec 2015) as **Course Director**
- **Organized** three trainings for Officers of State Developmental Departments on Sprinkler and Drip Irrigation (2003-2004) as **Course Director**
- **Resource persons** for workshops/ winter school/ short courses/ winter-summer school  
**- 25**
- **Invited speaker** for international

## conferences - **4 Teaching and Learning**

- **Member** of State Level committee for development of the course curricula of B. Tech. (Ag. Engg.) degree programme as per ICAR's IV and V Deans' Committee recommendations.
- **State Level Coordinator** for Syllabus of UG degree program in Agriculture and allied sciences.
- **Recognized University teacher and supervisor** for UG/ PG and Ph. D. Students in Agril. Engg.
- Guided **16 M. Tech** and **4 Ph. D.** students
- Taught various courses of Agricultural Engineering, Irrigation & Drainage, Soil Water Engineering courses at UG, PG and Ph. D. level (since 1988)

## **Areas of Research**

- Micro-irrigation, Precision Farming, Crop Growth Modeling, Soil and Water Engineering  
Developed more than 20 adoptable technologies in icro-irrigation, fertigation, soil and water conservation, implements, etc.