

**KAMLESH C PATEL**

Director (IT)

IT Cell, Office of the Registrar

Junagadh Agricultural University,

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#### **E D U C A T I O N :**

**Ph.D. (Soil and Water Engineering)**, Junagadh Agricultural University, Junagadh, 2019

*Dissertation: Water Balance Modelling Using Remote Sensing and GIS in Gir Forest.*

**Master of Technology (Soil & Water Engineering)**, Gujarat Agricultural University, Junagadh, 1999

*Dissertation: Studies on Application Efficiency of Borders Irrigation in Segments.*

**Bachelor of Technology (Agricultural Engineering)**, College of Agricultural Engineering and Technology, GAU, Junagadh. 1988

#### **C U R R E N T P O S I T I O N / A F F I L I A T I O N S :**

**Director (Information Technology)** IT Cell, Office of the Registrar, Junagadh Agricultural University

#### **E M P L O Y M E N T :**

**June 1989 – April 2007: Technical Assistant**, Gujarat Agricultural University & Junagadh Agricultural University

**April 2007 – February 2025: Assistant Professor**, Junagadh Agricultural University, Gujarat

**February 2025 to continue: Associate Professor**, Junagadh Agricultural University, Gujarat

#### **S H O R T V I S I T S / I N T E R N A T I O N A L T R A I N I N G S :**

**August 3 – 16, 2023 Short Visit / International Training** to Western Sydney University, Sydney, Australia to share and learn research knowledge on Applications of Remote Sensing and GIS in Hydrology, Automations in Irrigation, Precision Agricultural Water Management under NAHEP-IDP

#### **A W A R D S / F E L I C I T A T I O N / A P P R E C I A T I O N :**

1. Best PG thesis Award “Reddy Award” by ISAE 1997-98, New Delhi.
2. Felicitated by CAET Alumni Association for the outstanding performance and achievement in the profession of Agricultural Engineering, 2012, 2019 & 2023.
3. Best Doctoral thesis Award “GAAS Award” by Gujarat Association for Agriculture Sciences, Gujarat (2018-19).

4. Appreciated by Hon'ble Vice Chancellor for valuable contribution in the *Krusha Mahotsav* – 2005 during May 11, 2005 to June 10, 2005.
5. Appreciated by Hon'ble Vice Chancellor for noteworthy contribution over the years in establishing and operating successfully the Local Area Network in the university campus and for developing Online Accounting Module, an important e-Governance initiative in the university, July 2014.

## TEACHING, RESEARCH AND EXTENSION EXPERIENCE:

### **Teaching: 36 Years**

- UG teaching in the College of Agricultural Engineering and Technology, JAU, Junagadh from 1989
- PG teaching in the College of Agricultural Engineering and Technology, JAU, Junagadh from March 2016-17

### **Research: 27 Years**

- Principal Investigator: ISRO Project “Modelling of water fluxes and submarine ground water discharge using 1D-2D coupled model and in situ measurements in the Gir Forest Catchment” (2021-2023, Rs.25.0 lakhs)
- Co-principal Investigator: ISRO Project “River flow simulations integrating satellite data in a forested catchment” (2017-2020, Rs.14.50 Lakhs)
- Co-principal Investigator: ISRO Project “Modelling water and energy fluxes over a forest” (2016-2018, Rs.12.00 Lakhs)
- Principal Investigator: ICAR ad-hoc project “Determination of the relationships between root zone of plant soil properties and the discharge for optimum design and operation of drip irrigation system”
- Co-principal Investigator of the ICAR-NASF Project (10015) “Development of Taluka-Scale Precise Crop Yield Prediction Application for Selected Districts of Gujarat Using Remote Sensing, AI, and Machine Learning”

### **Extension: 27 Years**

- Setup of Information Kiosk at Educational Museum for displaying university information and FAQs in Gujarati language for visiting farmers
- Member of the committee for setup of 3D-Educational Theatre at *Krishi Darshanalay* of JAU
- Member of the committee for organization of various technology and demonstration Agri-fair
- Online registration portal for coconut sapling distribution to the farmers
- Online registration of farmers for seed selling for *rabi* and *kharif* seasons
- Team Member for the random selection of farmer through randomization process for seed distribution
- Member of the committee for the selection of trainee for the 15 days certificate course on “Integrated Nutrient Management”, “Pesticide Management”, “Agro-Input Dealer’s Certificate course”
- Broadcasting agro advisory series through Junagadh Agricultural University website

- Uploading agri-videos on JAU Official YouTube Channel
- Co-ordinator at Help Centre for “*Mukhyamantri Yuva Swavalamban Yojana (MYSY)*”
- Nodal Officer (Communication/Social Media/ICT Activity) to Government of Gujarat since 2022-23, which includes sharing University activity information on social media for the citizen including farmers.
- Nodal Officer to Government of Gujarat to update CM Dashboard information of the JAU like Doubling the farmer’s income, research work impact on agriculture and allied sectors, Zone wise strategy for agricultural development etc.
- Nodal Officer (Website Update) to Government of Gujarat since 2015, which includes updating of Farmer’s section.
- Nodal Officer to ICAR-IASRI, New Delhi for (a) implementation of e-Learning/ m-Learning system along with e-content creation of UG/PG courses (b) establishment and implementation of virtual classroom facilities (c) implementation of Academic Management System (AMS) and (d) implementation of Project Information & Management Systems

#### **TECHNOLOGY DEVELOPED / RECOMMENDATION :**

Recommendations for farmers / scientific community: 7

Portal / Software Development: 5

#### **POLICY FORMULATION AND EXECUTION :**

Drafted and implemented the “Policy on Use of IT Resources and Services at JAU” as approved in the 47<sup>th</sup> Board of Management Meeting (vide Agenda Note No.47.25)

#### **RESEARCH GUIDANCE :**

Recognized research guide for M.Tech and Ph.D. in Soil and Water Conservation Engineering and Irrigation and Drainage Engineering

- 03 students awarded M. Tech. degree under my guidance.
- Presently one M. Tech. and three Ph.D. students are working under my supervision
- Guided 05 group of UG students for their B.Tech. Dissertation Projects.

#### **MEMBERSHIPS OF ACADEMIC / PROFESSIONAL BODIES :**

- Life Member of “Indian Society of Agricultural Engineers” (Membership no. LM-7902).
- Life Member of “The Gujarat Association for Agricultural Sciences (GAAS)” (Membership no. 859)
- Associate Member of “The Institution of Engineers (India)” (AM3169041)
- President of CAET Alumni Association since 2023.

#### **PUBLICATIONS :**

Chapters/Books: 09, Publication in refereed Journal: 18, Publication in non-refereed Journal/Conference full paper: 7, Article/Pamphlet: 6

## **S E M I N A R / W E B I N A R / W O R K S H O P O R G A N I Z E D :**

### Webinar:

- 1) Co-Organizing Secretary for National webinar on “Post COVID-19 Agri-Business: Challenges and Opportunities (June 3-14, 2020)

### Workshop:

- 1) Organizing Secretary for Sensitization workshop on “Academic Management System (AMS)” (October 14-15, 2019)
- 2) Organizing Secretary for Workshop on “Use of Blended Learning Platform for learning” for students and staff (October 5-7, 2023)
- 3) Organizing Secretary for Workshop on “The Growing Role of Artificial Intelligence in Agriculture: Revolutionizing Farming Practices” for students and staff (December 4-5, 2023)
- 4) Co-Organizing Secretary for workshop on “Soft Skill and eServices” for the faculties of JAU (December 11-12, 2023)

## **S U M M E R / W I N T E R S C H O O L , T R A I N I N G S :**

Attended 5 Summer / Winter schools of more than three weeks

Attended 5 trainings of more than one week

## **S E M I N A R / S Y M P O S I U M / W O R K S H O P / C O N F E R E N C E A T T E N D E D**

Attended more than 11 Seminar/Symposium/Workshop/Conferences

## **P E R S O N N E L D E T A I L S :**

Date of Birth : October 06,1966

Marital Status : Married

Languages Known: Gujarati, Hindi and English

Date: 04/04/2026

Place: Junagadh

KAMLESH C. PATEL