

Faculty Profile

Personal Details

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| Name | Dr. Vishal Kesharao Ingle |
| Designation | Assistant Professor |
| E-Mail | vkingle@vnmkv.ac.in |
| Contact No | 9900931214 |
| Profile Link | 1) https://www.researchgate.net/profile/Vishal-Ingle 2) https://scholar.google.com/citations?hl=en&user=IBwklawAAAJ |



Academic Qualifications

| Degree | Specialization | University | Year of Passing |
|----------------------------------------------------------------------|----------------------------|----------------------|-----------------|
| Doctoral Degree | Soil and Water Engineering | ICAR-IARI, New Delhi | 2016 |
| Master's Degree | Soil and Water Engineering | ICAR-IARI, New Delhi | 2009 |
| Bachelor's Degree | Agricultural Engineering | Dr. PDKV, Akola | 2007 |
| Additional Qualification (if any): Additional Degree/Diploma/NET/SET | | | |
| NET Exam | Land Water Management Engg | ICAR-ASRB- | 2012 |
| | | | |

Professional Experience

| Stream | Years | Stream | Years |
|-----------|-------|----------------|-------|
| Teaching | 10 | Research | 10 |
| Extension | 10 | Administration | 10 |

Area of Research/Interest

Research Guidance

| Degree | No. of Student & Guided |
|--------------|------------------------------|
| M.Sc./M.Tech | 04 Major Guide 10 SAC Member |
| Ph. D. | 03 SAC Member |

Research Accomplishments (Recent Ten Most Important Publications)

| Sr. No | Title | Journal | ISSN/ISBN | NAAS Rating |
|--------|--------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------|-------------|
| 01 | Hydrologic behaviour of Tapi river catchment using morphometric analysis | Journal of Applied and Natural Science | Online ISSN: 2231-5209 Print ISSN: 0974-9411 | 6.4 |
| 02 | Evaluation of adsorption mechanism in clogging of materials used in drip irrigation system | Journal of Agricultural Engineering | ISSN: 0256-6524 (Print); 0976-2418 (online) | 5.85 |

| | | | | |
|----|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------|------|
| 03 | Spatio-temporal Variations of Green Gram Evapotranspiration in Marathwada Region of Maharashtra, India | Journal of Agricultural Engineering (India) | ISSN: 0256-6524 (Print); 0976-2418 | 5.85 |
| 04 | Determination of Crop Coefficient of Okra Crop Using Lysimeter for Semi-arid Climatic Condition of Parbhani, Maharashtra | Journal of Agricultural Engineering | ISSN: 0256-6524 (Print); 0976-2418 (online) | 5.85 |
| 05 | Crop Growth Simulation Modelling - A Review | International Journal of Current Microbiology and Applied Sciences | ISSN: 2319-7706 Volume 11 Number 01 (2022) | 5.3 |
| 06 | Spatial Distribution of Reference Evapotranspiration for Aurangabad District | International Journal of Current Microbiology and Applied Sciences | ISSN: 2319-7706 Volume 11 Number 01 (2022) | 5.3 |
| 07 | Laboratory Simulation Study for Modelling Bare Soil Evaporation from Different Soil Layers in Root Zone | Journal of Agricultural Engineering | ISSN : 0256-6524. Online ISSN : 0976-2418. | 5.85 |
| 08 | Water use efficiency of cabbage as influenced by irrigation schedules and fertigation levels | Journal of Pharmacognosy and Phytochemistry | E-ISSN: 2278-4136 P-ISSN: 2349-8234 | 5.3 |
| 09 | Comparative Performance of Different Reference Evapotranspiration Estimation Methods for Parbhani | Trends in Biosciences | ISSN 0974-8431, 529-534, 2018 | 4.7 |
| | Development of Modified Crop Coefficients Based on Weather Parameters of Parbhani for <i>Kharif</i> Crops | Trends in Biosciences | ISSN 0974-8431, 529-534, 2018 | 4.7 |
| 10 | Identification of Groundwater Potential Zones of Catchment Using Geospatial Technology | International Journal of Innovative Science and Research Technology | - | - |
| 11 | Development of Modified Crop Coefficients Based on Weather Parameters of Aurangabad for <i>Rabi</i> Crops | J.Agric.Res. Technol | - | 4.18 |
| 12 | Design rainfall estimation using probabilistic approach for Adilabad district of Telangana., | Engg. & Tech. in India | - | 4.5 |

Chapter in Book

| Sr. No. | Name of authors | Title of Book | Editors & Publisher | Title of chapter | Year and Page No. | ISSN/ISBN No. as applicable |
|---------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------|-------------------|-----------------------------|
| 1 | Vishal K.Ingle And A.K.Mishra | Performance Evaluation of Micro Irrigation Management, Principles and Practices - Innovations and Challenges in Micro Irrigation, Volume 3 | CRC Press Taylor & Francis Group | Modeling of Evaporation from Bare Soil | 2016 | ISBN13: 978-1-77188-321-4 |

Books

Books published with ISBN

| Sr. No. | Name of authors | Title of Book | Publisher | Year and Page No. | ISSN/ISBN No. as applicable |
|---------|------------------------------|-----------------------------------------|------------------------------------------------------|-------------------|-----------------------------|
| 1 | Vishal K. Ingle A. K. Mishra | Modelling of Evaporation from Bare Soil | International Publishers Lambert Academic Publishing | 2015 | ISBN NO:9783659669897 |

Credentials:

| Particulars | Numbers | Particulars | Numbers |
|-------------------------------------|---------|---------------------|---------|
| Research Articles | 19 | Popular Articles | 01 |
| Books / Booklets | 01 | Book Chapters | 01 |
| Research/Technology Recommendations | 08 | Varieties Developed | - |
| Patents | - | Abstracts Published | 15 |
| Technical Publication | 02 | | |

Significant Achievements

| Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations | Year |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 1. Research Recommendations 6 | 2017-24 |
| Externally Funded Projects: Implemented/Handled/Assisted | |
| 1) Co-PI in PoCRA sponsored Ad-hoc Project entitled "Determination of Crop Coefficient of Important Crops Using Lysimetric Studies" Total outlay: Rs. 70.38 lakhs Total outlay: Rs. 70.38 lakhs | |
| 2) Co-PI in GIZ Germany sponsored Project entitled Agriphotovoltaics Research Project. Total outlay: Rs. 80.00 lakhs | |
| 3) Co-PI in RGSTC sponsored Ad-hoc Project entitled IoT based smart hydroponics – Innovative way of future farming. Total outlay: Rs. 5 lakhs. | |
| 4) Co-PI in RGSTC sponsored Ad-hoc Project entitled Development of mobile app for design of field drainage system. Total outlay: Rs. 5 lakhs. | |
| 5) Co-PI in Indian Farmers Fertilizer Cooperative Limited, New Delhi, (IFFCO) sponsored Ad-hoc Project entitled Effect of Foliar application of Nano fertilizers on productivity and nutrients Mining under Irrigated and rain feed Crops. Total outlay: Rs. 25.00 lakhs. | |
| 6) Co-PI in Chief Minister GoM fund Automation in soil testing laboratory and development of DSS for Marathwada region. Total outlay: Rs. 250.00 lakhs. | |

Awards/Recognitions

1. State Award Received **Mahatma Jotirav Phule Shishak Puraskar - 2017** By Mahatma Jotirav Phule Shishak Parishad, Maharashtra in 2017.
2. Received **Best Thesis Award 2021** for quality research work on “Hydrologic Modeling of watershed in *Tapi river* Catchment Using SWAT model for watershed restoration management plans” carried out during Ph.D research, in International web conference on Innovative and Current Advances in Agriculture & allied Sciences (ICAAAS-2021) ,19-21 July,2021
3. Best Oral Presentation award during 10-16 July 2023 at ICAAAS -2023 5th International Conference ,Dubai UAE.