# FacultyProfile

## Personal Details

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|---|---|---|
| Name | Dr. Ramprasad Nagorao Khandare |  |
| Designation | Associate Professor | |
| E-Mail | *ram.khandare11@gmail.com* | |
| ContactNo | 9422974728 | |

## Academic Qualifications

| Degree | Specialization | University | Yearof Passing |
|---|---|---|---|
| B.Sc. | Agriculture | Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani | 1993 |
| M.Sc. (Agri.) | Soil Science and Agricultural Chemistry | Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani | 1995 |
| Ph.D. (Agri.) | Soil Science and Agricultural Chemistry | Govind Vallabh Pant University of Agriculture and Technology (Uttarakhand) | 2015 |

## Professional Experience

| Stream | Years | Stream | Years |
|---|---|---|---|
| Teaching | 17 years | Research | 20 years |
| Extension | 17 years | Administration | 6 years |

| Area of Research/Interest |
|---|
| Soil Biology, Soil Chemistry, Soil Fertility |

## Research Guidance

| Degree | No. of Student &Guided |
|---|---|
| M.Sc./M.Tech | 12 |
| Ph.D. | 01 |

## ResearchAccomplishments (Recent Ten Most Important Publications)

| Sr. No | Title | Journal | ISSN/ISBN | NAAS Rating |
|---|---|---|---|---|
| **01** | Performance of different nutrient sources and INM on yield attributes and yield soybean (*Glycine max L. Merrill*) and soil properties under aberrant weather condition in Vertisol | Journal of Agriculture Research and Technology | 2230-9705 | 4.18 |
| **02** | Carrier-based and liquid bioinoculants of Azotobacter and PSB saved chemical fertilizers in wheat (*Triticum aestivum* L.) and enhanced soil biological properties in Mollisols | Journal of Plant Nutrition | 0190-4167 | 8.5 |
| **03** | Effect of Long Term fertilizer and Manure application on Chemical properties of Soil, Nutrient Availability and Yield of Soybean (Glycine max) and safflower (Cartthamus Tinctirius) in Vertisol | Journal of Chemical Engineering | 0378-9519 | 5.69 |
| **04** | Effect of Long Term fertilizer and Manuring on Physico Chemical Properties in Soybean-Safflower Cropping Sequence under Vertisol | Indian Journal of Agriculture and Allied Sciences | 2395-1109 | 3.55 |
| **05** | Effect of Long Term fertilizer and Manuring on Yield, Nutrient Uptake and Soil Microbial Properties in Soybean-Safflower Cropping sequence under Vertisol | International journal of Current Microbiology | 2319-7706 | 5.39 |
| **06** | Different Fractions of Sulphur, their correlation with soil properties and yield soybean and safflower influenced by Long Term Fertilizer Experiment Under Vertisol | Asian Journal of Soil science and plant Nutrition | 2456-9682 | 5.61 |
| **07** | Evaluation of Zinc Soil Fractions, Nutrient Status in Soil, Yield of soybean and safflower influenced by Long Term effects of Manuring and Inorganic Fertilizers in Soybean – Safflower cropping sequence in Typic Haplusterts | AMA Journal Agricultural Mechanization in Asia, Africa and latin America | 0084-5841 | 6.20 |

# Credentials:

| Particulars | Numbers | Particulars | Numbers |
|---|---|---|---|
| ResearchArticles | 03 | PopularArticles | 15 |
| Books / Booklets | 11 | BookChapters | 04 |
| Research/Technology Recommendations | 07 | VarietiesDeveloped | |
| Patents | | Abstracts Published | 20 |
| TechnicalPublication | 05 | | |

## Significant Achievements (Top Five)

| Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations | Year |
|---|---|
| 1. For higher bulb yield and net monetary returns of Summer onion in Marathwada region it is recommended to schedule alternate day drip irrigation at 60% crop evapo-transpiration through inline lateral laid at the centre of raised bed having six rows of onion planted at the spacing of 15X7.5 cm and drip fertigation of 80:40:40 N, $P_2O_5$, $K_2O$ kg $ha^{-1}$ with N and $K_2O$ in 10 equal splits @ 8 kg and 4 kg respectively and $P_2O_5$ in 5 equal splits @ 8 kg $ha^{-1}$ at an interval of 7 days from transplanting to 70 days after transplanting.<br>Irrigation schedule for summer onion as per 0.6 Etc along with the volume of water required per plant (liter) and operating time for drip irrigation system with discharge rate of 2.4 lph and inline lateral of 16 mm diameter with emitters spaced at 30 cm. | 2021 |
| 2. For higher seed yield and net monetary returns of pigeonpea in Marathwada region, it is recommended to schedule alternate day drip irrigation at 80% crop evapo transpiration for the crop sown at the spacing of 150 X 30 cm through inline lateral laid at 150 cm apart and drip fertigation of 20:40:20 NPK kg $ha^{-1}$ in ten splits through WSF out of which 20% N and 40% P in two splits at 0-30 DAS, 30% N, P and 25% K in three splits at 31-60 DAS, 30% N, P and 40% K in 3 splits at 61-90 DAS 20% N and 35% K in two splits at 91-120 DAS.<br>Irrigation schedule for pigeonpea as per 0.8 ETc along with the volume of water required per plant (litre) and operating time for drip irrigation system with discharge rate of 2.4 lph and inline lateral of 16 mm diameter with emitters spaced at 30 cm. | 2021 |
| **Externally Funded Projects : Implemented/Handled/Assisted** | |

## Awards/Recognitions (Top Five)

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|---|
| 1. Excellence in research award in National Conference on Technological Challenges in social, Environmental and Agricultural Reforms during 09-10 September, 2017 |
| 2. Best Oral Presentation Award in National Symposium IPS-WZ, New Delhi at CoA, Latur organized by Dept. of Plant Pathology Parbhani and Latur during 17-18$^{th}$ November, 2021. |