

CHAVAN VISHAL KESHAORAO

First Name: Vishal

Surname: Chavan

Date of Birth: 6th May 1985

Place of Birth: Akola, Maharashtra, India

Nationality: Indian

Passport No: N9620796

Blood Group: AB (+)

Marital Status: Single

Address: Ambika nagar near Kastakar Sankul Malkapur Akola

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Career Objective

To scale the new height in modern work environment. To work in a challenging atmosphere that provides ample opportunities for learning and growth. Want to be a part of the new social, technological implementations and developments where my skills get shared and enriched.

Educational Qualifications:

Year	Institute/University	Degree/Examination	CGPA/ Percent
2012	CAET,UAS, Raichur, Karnataka	M.Tech. (Agriculture Engineering)	80.90
2009	CAET, Dr. P.D.K.V, Akola, Maharashtra	B.Tech. (Agricultural Engineering)	67.09
2003	Amravati Board, Maharashtra	Higher Secondary School Certificate	59.33
2001	Amravati Board, Maharashtra	Secondary School Certificate	62.53

Technical Know-How:

- Sound theoretical as well as practical knowledge of Agricultural Engineering with specialization in Soil and Water Engineering.
- Well versed in ArcGIS software.
- Good at physical and chemical analysis of soil, water and plants.
- Proficiency in handling various laboratory and field instruments such as Neutron moisture meter, TDR, Meteorological instruments.
- Knowledge of Food processing, cleaning, grading etc and actively engaged in Project named “Development of Jamun Pulp Extraction Machine” DST (Department of Science and Technology implemented Department of Agriculture Process Engineering, Dr. PDKV Akola.
- Experience of Handling different Agricultural equipment’s like power sprayer Mini dall mill, Jamum pulp extraction machine, Custard apple extraction machine, etc.
- 1 year of marketing experience in trading of Irrigation products.
- 1 year experience in Watershed , farm pond design, CCT, NRM activities etc.

Research Experience:

1. Year of Experience: From 26th Feb 2013 to 31st Oct 2016
2. Name of Employer: AICRP for Dryland Agriculture Dr. Punajbrao Deshmukh Krishi Vidyapeeth, Akola

3. Name of Post: Senior Research Fellow

Job Responsibilities:

*To study the agricultural climate in relation to crop planning and assessment of crop production potentials in different agroclimatic regions.

* To establish crop-weather relationships for the major rainfed and irrigated crops.

*To evaluate different techniques of modification of crop microclimate for improving the water use efficiency and productivity of crops.

*To study the influence of weather on the incidence and spread of pest and diseases of field crop

*Collection of data for climate vulnerability assessment studies, guidance to the farmers for regarding crop production there pest and diseases as per ground truth survey and distribution of Agromet Advisories with the data of AWS (Automatic Weather Station) and Rain gauge under selected villages of NICRA project. Assist supervisors, and workers to adopt and implement better practice across their farms. Support farmers and farmer owners by communicating information on farm management, improved production, sustainable use of natural resources (water, soil, etc Participate in conducting farms visits to understand the requirement of the farms and provide recommendations to enhance the performance of the farms businesses.

Communicate to farmers the latest technologies used to enhance the performance of farms and its sustainability. Assist in providing technical training Demonstration and guidance to farmers and farms owners. Interact with contract farmers to assess their farms and make technical recommendations for improved production and sustainability.

Conducted GPS survey and involved in measurement of widening and deepening of NALA of NICRA village Varkhed in Barshitakli TQ. Dist. Akola.

2. Skymet Weather Services Private Limited

Name of Post: Cluster Manager Started from 1st Feb 2018

Job Responsibilities:

Responsible of AWS installation and maintenance on time. Making AWS status online is the prime responsibility. Handling a team of field officers and schedule them for AWS maintenance and trouble shooting. MIS reporting. Preparing daily weekly and monthly report of the AWS in cluster and the field officers activity. Liaisoning with local govt. officials. Identifying and retaining local people for different CCE / CCEM and loss assessment activities. Acting as district coordinator for all CCE / CCEM and loss assessment activities.

Paper Presented at Conferences

International:

1. **V. K. Chavan**, S. K. Deshmukh and M. B. Nagdeve (2014) Evaluation of Clogging Mechanism in Drip Irrigation System: 4th International Conference on Hydrology and Watershed Management, Oct 29 to Nov 1 Hyderabad. pp.576.
2. **V. K. Chavan**, S. K. Deshmukh and M. B. Nagdeve (2014) Evaluation of Clogging test in Drip Irrigation System : 4th International Conference on Hydrology and Watershed Management, Oct 29 to Nov 1 Hyderabad. pp.571.

Research Paper:

International:

1. D.V. Tathod, Y. V. Mahatale and **V. K. Chavan** (2015) Horizontal and Radial Spreading of Water in Drip System: *Trends in Biosciences. Vol 8, No. 12(June, 2015) pp.3185.*
2. Y. R. Mahalle, **V. K. Chavan** and G. U. Satpute (2015) Impact of Harvested Rain Water on Farmers Field in saline tract area of Western Vidarbha Region , *Trends in Biosciences, Vol 8, No. 14 (July, 2015) pp3721.*
3. Y. R. Mahalle, **V. K. Chavan** and A. P. Tiwane (2015) Evaluation of Seepage and Evaporation Losses of Farm Pond , *Trends in Biosciences, Vol 8 No. 14 (July, 2015), pp3730.*

4. R.T. Chavan, **V. K. Chavan**, R. B. Biniwale and S.M.Taley (2015) Impact of Sewage Water treated by Phytotrid wet land technology on leafy vegetables , *Trends in Biosciences*, Vol 8 No. 14 (July,2015), pp3525.
5. Y. R. Mahalle, **V. K. Chavan** and G. U. Satpute (2015) Effect of Riser Height on reducing Evaporation Losses from Dugout type Farm Pond in Saline Tract Area , *Trends in Biosciences*, Vol 8 No 15(Aug,2015) pp3992.
6. P. V. Jadhao, **V. K. Chavan** and M. M. Deshmukh (2015) Effect of Pan Evaporation Based Irrigation Scheduling on Growth and Yield of Wheat , *Trends in Biosciences*, Vol 8 No 13(,July,2015) pp3992.
7. Prabhakar Shukla, **V. K. Chavan** and M. Anatachar (2015) Performance Evaluation of IC Engine using Biodiesel , *Trends in Biosciences*, Vol 8 No 14(,July,2015) pp3573..
8. Y.V. Mahatale, D. V. Tathod and **V. K. Chavan** (2015) Tractor Status of Jalgaon Jamod, *International Journal of Scientific Progress and Research*, (April,2015). Vol 10, No.3.
9. D. V. Tathod, Y.V. Mahatale, and **V. K. Chavan** (2015) Performance of Seed Drill Machine for Bengal Gram, *International Journal of Scientific Progress and Research*, (April,2015). Vol 10, No.3.
10. Y.V. Mahatale, D. V. Tathod and **V. K. Chavan** (2015) Study of Special Purpose Reversible Mould Bould Plough in Black Cotton Soil , *International Journal of Scientific Progress and Research*, (April,2015).Vol 10, No.3.
11. D. V. Tathod, Y.V. Mahatale, **V. K. Chavan** and Davanand Maski (2015) Energy, Cost and Time Utilization for Paddy Straw, *International Journal of Innovative Trends in Engineering*, (April,2015). Vol 4, No.1.
12. D. V. Tathod, Y.V. Mahatale, **V. K. Chavan** and Davanand Maski (2015) Energy, Time and cost of Baler Machine for Harvested Understory Paddy Biomass, *International Journal of Innovative Trends in Engineering*, (April,2015). Vol 4, No.1.
13. Y.V. Mahatale ,D. V. Tathod, **V. K. Chavan** and Vivek Pathak (2015),Effect of Different Cutter,Feed Rates and Speed on performance of Chopping of Green Sorghum, *International Journal of Innovative Trends in Engineering*, (April,2015). Vol 4, No.1.
14. Y.V. Mahatale ,D. V. Tathod, and **V. K. Chavan** (2015),Ergonomic Investigation in term of Oxygen Consumption, Heart Rate and Energy Expenditure for Maize Shelling Methods , *International Journal of Innovative Trends in Engineering*, (May,2015). Vol 4, Issue.3.

National :

V.K Chavan, P. Blakrishnana, S.K. Deshmukhand V.K.Ingle,(2013), Evaluation of Adsorption Mechanism in Clogging of Materials used in Drip Irrigation System. *Journal of Agriculture Engineering*, Vol. 50, No.3.

Books and Books Chapters

International Book:

Principles and Management of Clogging in Micro Irrigation (2015) edited by Megh Goyal, **V. K Chavan** and Vinod K. Tripathi. *Apple Academic Press, CRC Press Taylor and Francis Group*.

Innovations in Micro Irrigation Technology (2016) edited by Megh Goyal, **V. K Chavan** and Vinod K. Tripathi. *Apple Academic Press, CRC Press Taylor and Francis Group*.

Basics of Clogging Mechanism in Drip Irrigation System (2014), **V. K. Chavan** and M. B. Nagdeve. *LAP, Lambert Academic Publishing, Germany*.

Performance Evaluation of Micro Sprinkler Irrigation for Groundnut (2015), Mohammed Waseem, B. S. Policegowdar and **V. K. Chavan**. LAP, Lambert Academic Publishing, Germany.

Studies on Efficiency of Acids for Unclogging of Emitters (2015), Pramod Pawar, **V. K. Chavan** and M. B. Nagdeve. LAP, Lambert Academic Publishing, Germany

Reversible Mould Board Plough (2015), Yogesh Mahatale, Dnyaneshwar Tathod and **V. K. Chavan**. LAP, Lambert Academic Publishing, Germany.

International Book Chapters:

Emitter Clogging: Principles, Practices and Management, (2015) **V. K. Chavan**, S. K. Deshmukh and M. B. Nagdeve Principles and Management of Clogging in Micro Irrigation (2015) edited by Megh Goyal, **V. K Chavan** and Vinod K. Tripathi. Apple Academic Press, CRC Press Taylor and Francis Group, pp: 31-72.

Mechanics of Clogging in Micro Irrigation (2014) **V. K Chavan**, P. Balakrishnan, S. K. Deshmukh and M. B. Nagdeve. Sustainable Practices in Surface and Subsurface Micro Irrigation, Megh Goyal, Apple Academic Press, pp: 169-180.

Abstracts

National:

Madhuri Gajbhiye, **V.K.Chavan** and Vishal Pandagale, Effect on Physical properties and oil content for coriander powder by single and double storage Grinding. (2015), National Seminar on Dryland agriculture in Vidarbha: Priorities and Development Issues. pp174.

S.B. Sakahre, M. B. Nagdeve, A. B. Turkhede, V.V.Gabhane, R.S.Patode, S.S.Nandapure and **V.K.Chavan**, GGE Biplot analysis in Castor. (2015), National Seminar on Dryland agriculture in Vidarbha: Priorities and Development Issues. pp162.

A.P.KArunakar, M.B.Nagdeve, M.M.Ganvir, P.R.Damre and **V.K.Chavan**. Recent Trends in extreme Rainfall events in Vidarbha. (2015), National Seminar on Dryland agriculture in Vidarbha: Priorities and Development Issues. pp40.

V.K.Chavan, S.K.Deshmukh, Evaluation of Clogging Mechanism in Drip Irrigation System. 4th International Conference on Hydrology and Watershed Management, Hyderabad. pp.51.

V.K.Chavan, S.K.Deshmukh, and M.B.Nagdeve Evaluation of Adsorption Mechanism in Drip Irrigation System. 4th International Conference on Hydrology and Watershed Management, Hyderabad. pp.52

Training/Workshop

Sr. No.	Organization	Duration	Training/Workshop Title
1	AICRPAM, ICAR, CRIDA Hyderabad	2-Day	Scientist and Farmers interaction session
2	Dr. PDKV, Akola	2-Day	Watershed
	Krishi Vigyan Kendra, Buldana	1- Day	Pomegranate Cultivation

3	Northern Region Farm Machinery Training and Testing Institute, Hisar (Andhra Haryana), India.	1-month	Study & Maintenance of Tractor & Agril. Machinery
4	Popular Steel Work (PSW) and Agriculture Implement PVT. LTD, Kolhapur.(Maharashtra)	1-month	Manufacturing process of implement and its testing & design
5	YASHADA	2 -Day	POCRA (Project on Climate Resilient Agriculture) Workshop

Computer Awareness:

Software Packages: MS-Office, ArcGIS etc.

Membership of learned societies:

1. Indian Society of Agricultural Engineers (ISAE).
2. PKV Research Journal.
3. Trends in Biosciences Journal.
4. VART-DARS (Vidarbha Krushi Vikas Manch).
5. Forum for Plant Physiologists.

Awards:

- State Government scholarship during Graduation Studies.
- State Government scholarship during Secondary School Level.

Extracurricular Activities:

- Active participation in National Service Scheme (N.S.S.)
- Involved in Agrotech 2014-15

Significant Contribution:

- Involved in project with the object of weather based Agromet Advisories as per ground truth survey and impact assessment studies of the selected villages under AICRPAM project.
- Developed a Polybag filling machine under Dept of APE Dr. PDKV Akola

Extension & Research Activities:

1. Actively involved in stall of Dryland Agriculture project in Agro tech 2014 and 2015.
2. Participated and Helped to Organized the training program on „Pomegranate Cultivation” held during 1st may 2014 conducted by KVK, Buldana.
3. Involved in Surveying the NALA passing through University campus for preparing the Official project proposal under rainwater development and Management plan in Dr. PDKV, Akola.
4. Crop Cutting Experiments implemented by CRIDA Hyderabad during 2013-14 in which

Collection of Ground truth for Development of technology for crop yield estimation through images for different districts in Maharashtra.

5. Involved in Farm Development activities like Plan and Layout of Field, Preparing drain Lines, Maintenance of farm pond and insatallation of micro irrigation system.

6. Involved in Development of Laboratory and analysis of soil sample.

7. Contributed as a member in committee to organize National Seminar on Dryland Agriculture in Vidarbha: Priorities and Development issue and Contributed for preparation of Souvenir for National Seminar.

Reference:

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Declaration:

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Place: Akola

Date: 12.07.18

Chavan Vishal Keshaorao