

## CURRICULUM VITAE

### CONTACT INFORMATION

#### GAWANDE SWETA SUBHASHRAO

Ph. D. Scholar, Vegetable Science (Horticulture)

At. Post- Tq.Nandgaon Khandeshwar,

Dist. Amravati (MH)

PIN- 444708

Phone No: 7447353890,8485830016

Email: [shwetagawande27@gmail.com](mailto:shwetagawande27@gmail.com)



### PERSONAL DETAILS

Date of Birth	- 27 <sup>th</sup> March 1993
Marital Status	- Unmarried
Linguistics Proficiency	- English, Marathi, Hindi.
Gender	- Female
Citizenship	- Indian
Category	- OBC

### OBJECTIVES

Seeking a position to utilize my skills and abilities in a dynamic and growth oriented organisation that offers professional growth while being resourceful, innovative and flexible.

### EDUCATIONAL QUALIFICATION

Sr. No.	Degree	University/Board	Year of passing	Percentage	Class
1	NET (Vegetable Sci.)	A.S.R.B.New Delhi	2017	50.67	-
2	Ph.D.Horticulture Vegetable Science.	Dr. P.D.K.V. Akola.	Appearing	80.10	First
3	M. Sc. Horticulture (Vegetable Science)	Dr. P.D.K.V. Akola.	2016	80.10	First
4	B. Sc. Horticulture	Dr. P.D.K.V. Akola.	2014	81.70	First
5	H.S.C.	Amravati	2010	74.00	First
6	S.S.C.	Amravati	2008	70.92	First

Computer Skill				
MSCIT	Maharashtra State Board of Technical Education, Mumbai	2010	70	-

### Special skills

- ❖ **NCC-** Participated in Combined Annual Training Camp and ‘**B**’ and ‘**C**’ **Certificates**
- ❖ **Interest Field:** Agricultural & Horticultural Research and Development (**R & D**).
- ❖ **Work Experience:**
  - **Rural Horticulture Work Experience** of six months (Nursery Production & Management) at Commercial Nursery Unit., Dr. P.D.K.V., Akola) in the year 2013-2014.
  - M.Sc. and Ph.D. Research experimentation.
- ❖ **Extension Activities:**
  - **National Service Scheme** camp for 240 hrs. At. Gorwaha, Tq. Barshitakli, Dist. Akola (Maharashtra) in the year 2012-13.
  - Worked as a **Volunteer in the XIII All India Inter Agricultural Universities Sports and Games Meet** sponsored by ICAR at Dr.P.D.K.V.Akola from 16 to 19 February,2012.

### Significant contribution in relevant field and leadership:

- **Workshop:**
  - Attended the workshop on **How to manage Money and be a smart Investor** organized by NSE Investor Protection Fund Trust held at Dr.PDKV.Akola.
  - Attended the two days workshop ‘**Challenges for Girls, Today and Tomorrow**’ organized by Post Graduate Institute, Dr.P.D.K.V.Akola funded by ICAR, New Delhi on 25 and 26 March, 2013.
  - **Workshop on Horticulture** organized by Shri shivaji college of Horticulture,Amravati.Amravati Garden Club Amravati.
  - **Workshop on Horticulture** - organized by Shri shivaji college of Horticulture,Amravati.Amravati Garden Club Amravati.
- **Training :**
  - Attended the training on Floriculture “**Floriculture - A Promising Sector**” - organized by Dr. P.D.K.V. Akola.
  - Delivered Master Seminar and Doctoral Seminar I and II .
- **Participation:**

- “SHIVAR PHERI-2017” organized by Department of Horticulture, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola.
- SHIVAR PHERI-2018” organized by Department of Horticulture, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola.

❖ **Academic Research Achievements-**

❖ **Title and Objectives :**

- ❖ **Ph.D.:-** The Ph.D. research work Carried out on entitled ‘**Response of Turmeric To Planting Materials and Plant Growth Regulators**’ under the supervision of **Dr. P. K. Nagre, Dean, Faculty of Horticulture, Dr. P. D. K. V. Akola.**

**Significant findings-**

The experiment was laid out in Factorial Randomised Block Design with two replications and 18 treatments. The observations are recorded on growth, yield and quality attributes of turmeric cv. PDKV Waigaon. The maximum vegetative growth in terms of plant height (100.5 cm) was recorded under treatment M<sub>1</sub>P<sub>1</sub> ( Mother rhizome + GA<sub>3</sub> 100 ppm) followed by M<sub>1</sub>P<sub>2</sub> ( Mother rhizome + GA<sub>3</sub> 200 ppm) while treatment M<sub>2</sub>P<sub>9</sub> (Primary finger + water) recorded minimum values. Whereas maximum number of tillers per plant (3.7), number of leaves per plant (20.1), leaf area (379.20 cm<sup>2</sup>) was found in treatment M<sub>1</sub>P<sub>8</sub> (Mother rhizome + CCC 500ppm) which was followed by M<sub>1</sub>P<sub>7</sub> (Mother rhizome + CCC 250ppm) however, the treatment M<sub>2</sub>P<sub>9</sub> (Primary finger + water) was found minimum values.

The yield attributing characters like days to harvest (210), number of mother rhizomes/plant (2.8), number of fingers per plant (24.4), number of primary fingers/plant (9.4), length of mother rhizome (6.44 cm), girth of mother rhizome (5.98 cm), length of primary finger (10.6 cm), girth of primary finger (5.3 cm), fresh yield/plant (527.38 g), fresh yield/plot (16681.6 kg), weight of mother rhizomes /plant (105.3 g), weight of mother rhizomes / plot (1936.5 kg), weight of fingers per plot (4335.5 kg), weight of primary fingers/plot (2531.5 kg) was found maximum in the treatment M<sub>2</sub>P<sub>8</sub> (Primary rhizome + CCC 500ppm) which was followed by M<sub>2</sub>P<sub>7</sub> (Primary rhizome + CCC 250ppm) and the minimum results obtained in the treatment M<sub>2</sub>P<sub>9</sub> ( Primary finger + Water).

In general, the treatment M<sub>1</sub>P<sub>8</sub> (Mother rhizome + CCC 500ppm) appeared to be promising for obtaining higher yield as compared to other treatments.

- ❖ **M.Sc.:-** The master’s thesis entitled ‘**Effect of different spacings on growth ,yield and quality of lima bean (*Phaseolus lunatus* L.)**’. submitted to Dr. Panjabrao Deshmukh

Krishi Vidyapeeth, Akola in June. 2016 under the supervision of **Dr. E. P. Ningot, Assistant Professor, College of Horticulture, Dr. P.D.K.V., Akola.**

A field experiment entitled “Effect of different spacings on growth, yield and quality of lima bean (*Phaseolus lunatus* L.)” was conducted at the Main Garden, Department of Horticulture, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola during 2015-16. The experiment was laid out in Randomized Block Design with three replications. Lima bean was sown at seven different spacings viz. 0.75m x 0.75m, 1.0m x 0.5m, 1.0 x 0.75m, 1.0m x 1.0m, 1.5m x 0.5m, 1.5m x 0.75m and 1.5m x 1.0m. The various observations in respect of plant growth, yield and quality of lima bean were recorded periodically.

From the present findings, it was observed that the growth and yield parameters were significantly influenced by different plant spacing whereas quality parameters of lima bean was found to be non –significant. The various growth parameters in respect to plant height, length of primary branch and length of secondary branch were found to be significantly maximum in closer plant spacing of 0.75m x 0.75m whereas trifoliolate leaves per plant, primary branches per plant, secondary branches per plant and leaf area were found to be significantly maximum in the wider plant spacing of 1.5m x 1.0m at 30, 60, 90 and 120 days after sowing.

The desirable minimum values for the traits like days to first flowering and days to 50% flowering were observed in the plant spacing of 1.0m x 0.75m whereas inflorescence per plant, flowers per inflorescence were found maximum in the same plant spacing of 1.0m x 0.75m. As regards the yield and yield contributing parameters, days to first pod set, number of pods per cluster, length of pod, width of pod, seeds per pod, weight of fresh pod, weight of fresh seed, weight of dry seed, weight of dry seed per pod, weight of 100 dry seeds, seed yield per plant and seed yield per hectare were found to be significantly maximum in the plant spacing of 1.0m x 0.75m.

Parameter in respect of quality, seed protein content was non-significantly affected by plant spacing. Considering the cost economics, plant spacing of 1.0m x 0.75m was found to be most remunerative as per the B:C ratio.

## Research Papers:

Sr. No.	Name of Authors	Name of Article	Name of Journal	Year and Page No.	NASS Rating
1	Sweta Gawande, Ekta Ningot, Chanchal Nikam and Madhavi Bhaladhare	Effect of different spacings on flowering, yield and quality of lima bean ( <i>Phaseolus lunatus</i> L)	International Journal of Current Microbiology and Applied Sciences	2018, ISSN:2319-7692, Special Issue-6, 2036-2042	5.38
2	Sweta S. Gawande, Ekta P. Ningot, Dipali Rathod and Sukanya Parkhe	Effect of different spacings on growth and yield of lima bean. ( <i>Phaseolus lunatus</i> L)	International Journal Of Chemical Studies	2020, ISSN: 2329-8528, 8(6):202-205	5.31
3	Chanchal Nikam, P.K. Nagre and Sweta Gawande	Effect Of Different Dates Of Sowing And Nitrogen Levels on Growth, Seed Yield and Quality of Gum Cluster Bean.	International Journal of Current Microbiology and Applied Sciences	2018, ISSN:2319-7692, Special Issue-6, 2043-2049.	5.38
4	Madhavi Bhaladhare, D.H. Paithankar, Manisha Palwe and Sweta Gawande	Interaction Effect of Nitrogen and Phosphorus Levels on Yield and Quality of Baby Corn.	International Journal of Current Microbiology and Applied Sciences	2018, ISSN:2319-7706, Special Issue-6, 1522-1528	5.38
5	Sukanya Parkhe, Megha Dahale, Ekta Ningot and Sweta Gawande.	Study of Different Potting Mixture on Hardening of Banana Tissue Culture Plantlets Its Field Performance	International Journal of Current Microbiology and Applied Sciences	2018, ISSN:2319-7692, Special Issue-6, 1941-1947.	5.38
6	Dipali Rathod, Premlata Chandan and Sweta Gawande	Effect of different levels of nitrogen and phosphorus on growth and seed yield of Ajwain ( <i>Trachyspermum ammi</i> L. Sprague)	International Journal Of Chemical Studies	2019, P-ISSN:2349-8528 E-ISSN:2321-4902 IJCS 2019;7(1):201-204	5.31
7	Pallavi N Bansod, Ekta P Ningot,	Storage studies of aerial yam ( <i>Dioscorea bulbifera</i>	Journal of Pharmacognos	2020; 9(3): 1428-1433	5.31

	Panchbhai DM and <b>Shweta Gawande</b>	L.) flour cookies	y and Phytochemistry		
8.	<b>Sweta Gawande</b> , PK Nagre and Chanchal Nikam	Effect of planting material and plant growth regulators on growth of turmeric	International Journal of Chemical Studies	2020; 8(6): 198-201	5.31
9.	<b>Sweta Gawande</b> , PK Nagre and V.S.Kale	Influence of planting material and plant growth regulators on plant growth and rhizome size of turmeric.	The Pharma Innovation Journal.	2021;10(8):1268-1272	5.23
10.	Chanchal Nikam, V.S.Kale and <b>Sweta Gawande</b> .	Effect of different mulches and fertigation Scheduling on yield and quality of Turmeric.	Multilogic in Science	2020.ISSN:2277-7601.Vol.X. Issue xxxv.	5.20

#### Research Paper/Abstract (Conferences)

Sr. No.	Name of Authors	Name of Research Abstract/Paper	Name of Seminar/Conference	Month, Year and Page No.
<b>A</b>	<b>International</b>			
<b>a.</b>	<b>Poster Presentation</b>			
1	<b>Sweta Gawande</b> , Ekta Ningot, Chanchal Nikam	Effect of different spacing on growth and yield of lima bean.	<b>Advances in Agricultural and Biodiversity Conservation for Sustainable Development (ABCD-2017), Meerut, UP.</b>	October 27 & 28, 2017
<b>b.</b>	<b>Full Length Paper</b>			
	<b>Sweta Gawande</b> , Ekta Ningot, Chanchal Nikam and Madhavi Bhaladhare	Effect of different spacings on flowering, yield and quality of lima bean.	Advances in Agriculture and Allied Sciences Technologies For Sustainable Development. Hyderabad	10-11 February, 2018
<b>c.</b>	<b>Participation</b>			
1.	International Conference Research for Resurgence			11 to 13 February 2016
2.	3 <sup>rd</sup> International Conference on Global Initiatives in Agricultural and applied Sciences for Eco friendly Environment. (GIASE-2019)			16-18 June 2019
<b>d.</b>	<b>Awards</b>			

<b>1.</b>	“Best Master Thesis Award-2019” on the occasion of 3 <sup>rd</sup> International Conference on Global Initiatives in Agricultural and applied Sciences for Eco friendly Environment. (GIASE-2019).			16-18 June 2019
<b>B</b>	<b>National</b>			
<b>a.</b>	<b>Poster</b>			
<b>1</b>	<b>Sweta Gawande</b> , Ekta Ningot, P.K.Nagre and V.S.Kale	Growth and yield of lima bean as influenced by plant spacing.	National seminar on Rainfed Agriculture in India : Perspectives and Challenges. Dr.PDKV.Akola	December 7-9 2016. Page NO- 176
<b>2</b>	<b>Sweta Gawande</b> , P.K.Nagre and Sneha Kshirsagar	Role of Plant growth regulators for doubling the farmers income.	National Seminar on Potential, Prospects and strategies for doubling farmers income. Dr.PDKV.Akola	December 15-16, 2018-12-17 Page No.
<b>b.</b>	<b>Participation</b>			
<b>1</b>	National level seminar on Ecology in Higher Education			30-31 January, 2018
<b>2</b>	National seminar on Current Advances And Challenges in Agricultural Biotechnology			3-8 March, 2017
<b>C</b>	<b>Congress</b>			
	<b>Poster</b>			
<b>1.</b>	Ekta Ningot, <b>Sweta Gawande</b> , P.K.Nagre and S.V.Gholap	Effect of plant spacing and fertilizer levels on growth, flowering and yield of lima bean.	Indian Horticulture Congress-2019. Shaping Future of Indian Horticulture.	17-21 January 2019
<b>2.</b>	<b>Sweta Gawande</b> , Ekta Ningot, P.K.Nagre and chanchal Nikam	Performance of lima bean as influenced by Plant spacing and fertilizer levels.	1 <sup>st</sup> Vegetable Science Congress on Emerging Challenges In Vegetable Research and Education (VEGCON-2019)	February 1 to 3, 2019
<b>D</b>	<b>State Level</b>			
	<b>Participation</b>			
<b>1</b>	Agripreneurship for sustainable Development and Prosperity of Agriculture.			8-9 July 2017
<b>2</b>	State Level Seminar for Farmers “Advances in Spices and Aromatic Plant Production Technology for Sustainable Agriculture”			25-26 March, 2018
<b>3</b>	Mega State Level Agriculture Exhibition-AGROTECH-2016			27-29 Dec, 2016
<b>4</b>	Mega State Level Agriculture Exhibition-AGROTECH-2017			27-

		29,Dec,2017
5	Mega State Level Agriculture Exhibition-AGROTECH-2018	27-31 Dec,2018

**Extension (Popular Articles)**

Sr. No.	Name of author(s)	Title of published paper	Name of Magazine	Volume no. and issue
1	S. A. Tayade, S. R. Parkhe and S. S. Gawande	Major Constraints in the Production of Under Utilized Fruits	Popular Kheti	Volume -6, Issue-1 (January-March), 2018
2	S. A. Tayade, S. R. Parkhe and S. S. Gawande	Medicinal Value of Bael Fruit: An Overview	Popular Kheti English Magazines	Volume -6, Issue-1 (January-March), 2018
3	S.R.Parkhe, S.A.Tayade, S.S.Gawande	Canopy Management in Custard Apple Fruit Crop	Popular Kheti English Magazines	Volume – 6, Issue – 2, April - June, 2018
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**Abstract Published**



<b>S. N.</b>	<b>Topic</b>	<b>Authors</b>	<b>Name of Conference/Seminar</b>	<b>Page No.</b>
<b>1</b>	Effect of different spacing on growth and yield of lima bean.	Sweta S.Gawande, Ekta P.Ningot, P.K.Nagre and C.G.Nikam.	International Conference on Advances in Agricultural and Biodiversity conservation for sustainable development.	<b>67</b>
<b>2</b>	Performance of Different Nitrogen levels on Growth, seed yield and quality of gum cluster bean grown under summer conditions.	Chanchal Nikam, P.K.Nagre, V.S.Kale and Sweta Gawande.	International Conference on Advances in Agricultural and Biodiversity conservation for sustainable development.	<b>81</b>
<b>4</b>	Effect of different dates of sowing and nitrogen levels on growth, seed yield and quality of gum cluster bean.	Chanchal Nikam, P.K.Nagre and <b>Sweta Gawande.</b>	Advances in Agriculture and Allied Sciences Technologies For Sustainable Development. Hyderabad.	<b>128</b>
<b>5</b>	Role of plant growth regulators for doubling of farmers income.	<b>Sweta Gawande,</b> P.K.Nagre and Sneha Kshirsagar	National Seminar on Potential, Prospects and strategies for Doubling farmers Income	<b>38</b>
<b>6</b>	Doubling of farmers income through micro-irrigation and fertigation in vegetable crops.	Sneha Kshirsagar, P.K.Nagre And <b>Sweta Gawande.</b>	National Seminar on Potential, Prospects and strategies for Doubling farmers Income	<b>39</b>
<b>7</b>	Growth and yield of lima bean as influenced by plant spacing.	<b>Sweta S.Gawande,</b> Ekta P.Ningot, P.K.Nagre and V.S.Kale.	National Seminar on Rainfed Agriculture in India: Perspective and challenges	<b>68</b>
<b>8</b>	Effect of plant spacing and	Ekta Ningot, <b>Sweta Gawande,</b> P.K.Nagre	Indian Horticulture Congress-2019	<b>Poster no.33</b>

	fertilizer levels on growth, flowering and yield of lima bean.	and S.V.Gholap	Shaping Future of Indian Horticulture.	<b>Ack no.192 PN.389</b>
<b>9</b>	Role of plant growth regulators in turmeric production.	<b>Sweta Gawande</b> , Chanchal Nikam and P.K.Nagre	Indian Horticulture Congress-2019 Shaping Future of Indian Horticulture.	<b>Poster no.34 Ack no.193 PN.389-390</b>
<b>10</b>	Response of gum cluster bean to different dates of sowing under vidarbha conditions.	Chanchal Nikam, <b>Sweta Gawande</b> , P.K.Nagre, V.S.Kale and A.P.Wagh	Indian Horticulture Congress-2019 Shaping Future of Indian Horticulture.	<b>Poster no.35 Ack no.194 PN.390</b>
<b>11</b>	Performance of lima bean as influenced by plant spacing and fertilizer levels.	<b>Sweta Gawande</b> , Ekta Ningot, P.K.Nagre and Chanchal Nikam	1 <sup>st</sup> Vegetable Science Congress on Emerging Challenges in Vegetable Research and Education (VEGCON-2019)	<b>TSIII:P-68</b>
<b>12</b>	Studies on different nitrogen levels on seed yield and quality of gum cluster bean under akola conditions.	Chanchal Nikam, P.K.Nagre, V.S.Kale and <b>Sweta Gawande</b>	1 <sup>st</sup> Vegetable Science Congress on Emerging Challenges in Vegetable Research and Education (VEGCON-2019)	<b>TSIII:P-70</b>
<b>13</b>	Influence of clove size and plant growth regulators on yield and quality of garlic	Tursa Parteti, Ekta Ningot and <b>Sweta Gawande</b>	1 <sup>st</sup> Vegetable Science Congress on Emerging Challenges in Vegetable Research and Education (VEGCON-2019)	<b>TSIII:P-86</b>
<b>14</b>	Studies on sensory parameters bulbifera of aerial yam ( <i>Discorea</i>	Pallavi Bansod, Ekta Ningot and <b>Sweta Gawande</b>	1 <sup>st</sup> Vegetable Science Congress on Emerging Challenges in Vegetable Research and Education (VEGCON-2019)	<b>TSV:P-6</b>

	<i>bulbifera</i> L.) flour cookies in storage			
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**Membership of Journals and Societies:**

<b>Sr. No</b>	<b>Name of Journal/ Society</b>	<b>Membership Code</b>
1	Life Membership of Advancement of Human and Nature, Solan, (HP)	<b>LM-3456</b>

**DECLARATION:**

I hereby confirm that the above mentioned information furnished by me is true of the best of my knowledge and beliefs.

Place- Amravati

Date-

(Gawande Sweta Subhashrao)