

CURRICULUM VITAE

Dr. Avinash Suresh Kakade
Ph.D. (Agricultural Engineering).

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EDUCATIONAL QUALIFICATIONS:

2019: Ph.D (Agril Engg.) with specialization in **Process and Food Engineering**, pursued at CAE&T, VNMKV Parbhani, Dist. Parbhani, Maharashtra, India.

Aggregate CGPA – **8.58 / 10**

2014: Master of Technology with specialization in Agricultural Process Engineering, pursued at CAE&T, VNMKV, Parbhani. Maharashtra, India.

Aggregate CGPA – **8.35 / 10**

2010: Bachelor of Technology in Agricultural Engineering, pursued at Aditya College of Agricultural Engineering and Technology, affiliated to VNMKV, Parbhani. Maharashtra, India

Aggregate CGPA – **7.78/ 10**

2006: H. S. C from Maharashtra State Board of Secondary and Higher Secondary Education Pune. Consolidated percentage: **60.00 %**

2004: S. S. C from Maharashtra State Board of Secondary and Higher Secondary Education Pune. Consolidated percentage: **67.73%**

Experience if any:-

Sr. No.	Post held	Period		Nature of work	Place of work
		From	To		
1	Assistant Professor	02/04/2014	02/12/2014	Teaching & Academic	College of Agricultural Sailu Dist. Parbhani
2	Agricultural Assistant (Krishi-Sevak)	05/10/2010	31/08/2011	Agricultural & Extension Work	District Super tending Agricultural Office- Pune Govt. of Maharashtra
3	Senior Research Fellow	01/08/2019	31/12/2019	ICAR-CIPHET-DoCA Project/ Research Project	AICRP on PHET, Dr.PDKV, Akola.
			25 Months		
	Total Experience		2 year 01 Months		

Publications

Research publications:

Sr. No	Authors	Year	Title with full reference	Journal with volume & page number	ISSN No/NAAS rating
01	Kanifnath Nakade, Smita Khodke. Avinash	2020	Optimization of process Technology for Popping of	International Journal of Current Microbiology and	ISSN: 2319-7706 NAAS -5.38 Volume 9 Number 01

	Kakade, Nilza Othzes		sorghum	Applied Sciences 2020	January (2020) Journal homepage: http://www.ijcmas.com
02	Avinash Kakade, Smita Khodke, Suhas Jadhav, Madhuri Gajabe and Nilza Othzes	2019	Effect of Moisture Content on Physical Properties of Soybean	International Journal of Current Microbiology and Applied Sciences April- 2019	ISSN: 2319-7706 NAAS -5.38 Volume 8 Number 04 (2019) Journal homepage: http://www.ijcmas.com
03	Avinash Kakade, Smita Khodke and Nitin Aras	2019	Entrepreneurship development through cottage level production of soynuts	Multilogic in sciences. Jan-2019	ISSN- 2277-7601 NAAS -5.20 VOL. VIII, SPECIAL ISSUE(B), NAHEP ICAR SPONSORED, INTERNATIONAL CONFERENCE ON EARES-2019, AT Dr.PDKV AKOLA
04	Avinash Kakade, Pramodini More, Suhas Jadhav and Vivekanand Bhosle	2015	Shelf life extension of fresh-cut spinach	International Journal of Agriculture, Environment and Biotechnology Citation: IJAEB: 8(3): 609-614 September 2015	DOI Number: 10.5958/2230-732X.2015.00067.4 NAAS -4.69
05	P G More, D R Behere ,S S Housalmal S U Khodke, S B Jadhav and A S Kakade	2015	Assessment of Vibration Damage to Banana Bunches Simulated by Vibration Tester	International Journal of Tropical Agricultural Vol:33Part III April-June 2015, pp 1419-1422	ISSN – 0254-8755 NAAS -3.03
06	P G More, D R Behere , S U Khodke, S S Housalmal and A S Kakade	2015	Effect of Vibration Frequency and Packaging Methods On Mechanical Injury to Banana Hands	International Journal of Tropical Agricultural Vol:33Part III April-June 2015, pp 1423-1426	ISSN – 0254-8755 NAAS -3.03
07	P. G. More, S.S. Housalmal, S. U. Khodke, A.S.Kakade	2015	Evaluation of shelf-life of soy based weaning food using different packaging material.	Food Science and Research Journal Vol 6 (1) 2015	Online ISSN-2230-9403 ISSN-0976-1276 NAAS -2.86
08	Smita Khodke, Minakshi Pardhi, Pramodini More, Avinash Kakade	2014	Characteristic evaluation of soy-groundnut paneer	Journal of Environmental Science, Toxicology and Food Technology Vol 8(9)pp.12-16	ISSN -2319-2399
09	P.G.More, A.S.Kakade , S.U. Khodke	2014	Mechanical Properties of Spinach	Journal of Agriculture and Veterinary Science, Volume 7 (4) PP 57-61	ISSN: 2319-2372

10	S.U. Khodke, P. G. More, A.S. Kakade , S.S. Housalmal	2014	Identification of soybean varieties for production of better quality of soypaneer.	Journal of Soils and Crops Vol 24(2),2014	ISSN-0971-2836 NAAS -3.77
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International Conferences:-

Sr. No.	Name of Author/s	Year	Publication
01	Smita Khodke, Avinash Kakade , Nitin Aras.	2018-19	Entrepreneurship development through production of soynuts in (HTST) type puffing machine at cottage level.
02	A.S. Kakade , S.U.Khodke, P.G.More and S.B.Jadhav	2017-18	Changes in colour of minimally processed spinach during evaluation of colour of spinach under different storage conditions. Technological advances in climate-smart agricultural and sustainability (TACSAS-2017) Pp-53-54.
03	P.G.More, S.S. Gunjal, S.U.Khodke, and A.S. Kakade ,	2017-18	Assessment of mechanical damage of banana hands. Technological advances in climate-smart agricultural and sustainability (TACSAS-2017) Pp-421-424.
04	Smita Khodke and Avinash Kakade ,	December 14-16, 2017	Food security through adoption of small scale soybean processing units to sustain climate change. CCAW-2017

National Conferences:-

Sr. No.	Name of Author/s	Year	Publication
01	Khodke S.U., Deshmukh C.G. and Kakade A.S.	2017-18	Design and development of roaster (HTST type) for soynut production. National conference on Agro-processing based entrepreneurship development for sustainable livelihood held at College of Agricultural Engineering and Technology Dr.PDKV Akola, during 22-23 Feb 2017.
02	Avinash Kakade , Pramodini More, SmitaKhodke and SuhasJadhav	2015-16	Assessment of colour of spinach during storage. AFSTi XXIV-ICFoST (Indian convention of Food Scientists &Technologists) held at College of Food Technology, VNMKV, Parbhani during 18-19 th Dec., 2015.
03	P.G. More, S.U. Khodke and A.S. Kakade	2014-15	Assessment of mechanical damage of banana hands. Souvenir of 49 th Annual Convention of ISAE and Symposium on Engineering Solutions for Sustainable Agriculture and Food Processing, Ludhiana (Feb 23-25, 2015.: PDFE-2015-HCP-08.
04	A. S. Kakade , P.G. More and S.U. Khodke,	2014-15	Mechanical properties of spinach. Souvenir of 49 th Annual Convention of ISAE and Symposium on Engineering Solutions for Sustainable Agriculture and Food Processing, Ludhiana (Feb 23-25, 2015.: PDFE-2015- P-12.

Publications in local language Marathi:-

Sr. No.	Title	Year	Journal
01	Smita Khodke, Deshmukh C G and Avinash Kakade “ Soybean kharmure banvinyacha lghu-udyog – ek pranadayai yvavasaya”	Sept.- Oct 2018	“ Shetibhati ” publication by VNMKV, Parbhani. Issue :3, pp.63
02	Avinash Kakade and Sukanya Housalmal “ Aharatil Sattu che mahatva”	17 May 2016	“ SamrudhyaVyapar ” Weekly News Paper Published in Dist. Latur (MH), pp:2.
03	Dr. Amol Khapre and Avinash Kakade “Naral pani uhnyalatil aarogyavardhak and shitkarak peya ”	11 April 2017	“ SamrudhyaVyapar ” Weekly News Paper Published in Dist. Latur (MH), pp:2.

One Research Recommendation

- **Title:** Design and development of (HTST type) multigrain puffing cum popping machine.
- **Recommendation:** LPG operated and HTST principle based VNMKV developed multigrain puffing cum popping machine of capacity 50 kg/hr is recommended for the production of soynuts, kharmure (peanuts), phutane (bengal gram), sorghum pops and popcorn.

Any other information/ achievements

❖ **ACADEMIC PROJECTS:**

A) Ph.D (Agril.Engg.): “Design and Development of Multigrain Puffing cum Popping Machine ”.

The developed puffing cum popping machine is used by maximum number of farmers as well as small scale Industrialists’ definitely can overcome the labor crises problem. This reduces the labor cost and process become faster and easy. This study aims to give an opportunity to develop small scale entrepreneurship and also increase the economy of the Indian farmer.

B) M. Tech Project (Agril.Engg.): “Effect of Packaging on Shelf Life of Spinach”

Deals with the minimal processing of leafy vegetables with newer post harvest technology. Postharvest handling of vegetables. The loss of many vegetables can be prevented to a great extent by controlling the post-harvest environmental conditions of temperature, relative humidity and atmospheric concentration of certain gases. To increase the shelf-life of fresh cut spinach.

C) B. Tech Project (Agril.Engg.): “Survey of Automation Irrigation System in Maharashtra”

This study helps to find out problem faced by the farmer and Govt. institute in operating, maintain and installation of automation irrigation systems.

❖ **INDUSTRIAL TRAINING:**

- **2012:** One month Summer Placement Training on “Absorption Characteristic of KODO Grain Millet” Training at **Central Institute of Agricultural Engineering (I.C.A.R) Nabi Bagh Berasia Road, Bhopal- 462038** in Aug- 2012.
 - **2012:** Half Month Training on “Entrepreneurship Development Programme” organized by **Maharashtra Centre for Entrepreneurship Development (MCED)** at Aurangabad Maharashtra from 10/02/2012 to 24/02/2012.
 - **2010:** One month Summer Placement Training on “Computer Aided Design (Pro - Engineer)” Training at **Central Institute of Agricultural Engineering (I.C.A.R) Nabi Bagh Berasia Road, Bhopal- 462038** in Jan- 2010.
 - **2009:** One month Summer Placement Training on “Practical Training in Agricultural Engineering” Training at **Central Institute of Agricultural Engineering (I.C.A.R) Nabi Bagh Berasia Road, Bhopal- 462038** in June-2009.
- ❖ **2008:** One month Summer Placement Training on “Tractor and Farm Implements” at **Northern Region Farm Machinery Training & Testing Institute, Hisar (Haryana)** in June-2008.

❖ **EDUCATIONAL ACHIEVEMENTS:**

- **Best Paper Awarded** to **Kakade Avinash** for the paper entitled “Entrepreneurship development through production of soynuts in (HTST) type puffing machine at cottage level”. Presented in Oral Technical session III(Farm mechanization and forest management for employment generation in EARES-2019).
 - **2016: National Fellow PhD Research scholar.** Award letter No: F./2016-17/NFO 2015-17 OBC-MAH-42419/ (SA-III/Website) Feb.,2016
 - **Avishkar:** 2015: Participated and Presented Research Project.
 - Secured 1st Rank in MCAER :2014-15
 - Secured 89th Rank in MCAER:2011-12
 - Secured 269th Rank in ICAR-JRF, 2010-11.
 - Active member in “NATIONAL SERVICE SCHEME” (NSS):2008-09,2009-10.
- ❖ **LIFE MEMBERSHIP (PROFESSIONAL SOCIETY)**

1. Life member of Indian Association of Agricultural Engineers (**ISAE**) - **LM- 11278**
2. Life member of Association of Food Scientists and Technologists (**AFST**)
10/R307/17/ZON. Registration No.: AFST0270.

3. Senior Member of Hong Kong Chemical, Biological & Environmental Engineering Society (HKCBEEES): **Member NO.: 101602.**
4. Life member of International Association of Engineers (IAENG): **Member NO.:233616.**
5. Life member of Agricultural Doctorates Association (ADA): **Membership code: ADA-71-2019.**

❖ **EXTENSION WORK**

- Gives Demonstration of various developed processing machineries and technologies from the Department of APE, CAE&T, Parbhani and VNMKV, Parbhani during M.Tech and Ph.D Programme tenure (2012 to 2018).
- Actively involved in the preparation of extension aids like charts, digital display boards of technologies developed by the Department of APE, CAE&T, Parbhani and VNMKV, Parbhani during M.Tech and Ph.D Programme tenure (2012 to 2018).
- Actively involved in the extension aids like **AGROTECH-2019** at Dr.PDKV Akola, (27, 28 and 29 December 2019).

❖ **CERTIFICATE OF PARTICIPATION (ACADEMIC) & CO-CURRICULAR ACTIVITIES:**

1. Certificate of participation in ICAR Funded Training Workshop on “Student Counselling and Personality Development” organized by CAE&T, VNMK, Parbhani during **24-25 Jan 2018.**
2. Certificate of participation in International Seminar on Global Climate Change: Implications for Agriculture and Water Sectors **CCAW-2017.**
3. Certificate of participation in **National Level Essay Competition** organized by Dept.of APE and AICRP on PHT by Dr. PDKV University on **10th Oct 2017.**
4. Certificate of participation in **18th Maharashtra Sichin Parishad** at Parbhani during **30-31 Dec.2017.**
5. Certificate of participation in one day training programme on “ **Computer Application in Irrigation and Mobile APP**” organized by CAE&T,VNMK, Parbhani on **23/05/2017.**
6. Certificate of participation in International Conference on “**Technological Advances in Climate-Smart Agricultural and Sustainability**” (TACSAS 2017) held during **16-18th Jan 2017.**
7. **As a Member** to compile and prepare the AGRESO report of College of Agricultural Engineering and technology for the year 2015-16. **Office Order No. CAET/TO/2080/2016. Date: 30/03/2016.**
8. **Appointed as a Member** in Venue & Hall Arrangement by Central Executive Committee, AFST(I), Mysore for smooth conduct of ICFOST-2015 which was scheduled on 18th -19th December 2015. **Office Order No. 1779 Date:15/12/2015.**
9. **Appointed as a Member in Stage committee** during training programme held at college of agricultural engineering and technology VNMKV, Parbhani. Duration: 23 Nov. to 2 Dec. 2015. **Office Order No.CAET/Traning/40/2015. Date.10/11/2015.**

10. **As a External Examiner** to conduct the semester end practical examination of Course No. ENGG-232 on 19/11/2014 to 20/11/2014 during 2014-15 (Monsoon Semester). **Outward No. RGCA /EXAM/6805/2014, Date:21/11/2014.**
11. **As a External Examiner** to conduct the semester end practical examination of Course No. ENGG-353 on 17/11/2014 to 18/11/2014 during 2014-15 (Monsoon Semester). Outward No. RGCA /EXAM/6806/2014, **Date:18/11/2014.**
12. **As a Contractual Teacher** in College of Agricultural Engineering and Technology, Parbhani for conducting the classes of B.Tech (Agri.Engg.) students of V and VII sem of Course No.APE-355 Dairy and Food Engineering and CAF-APE-476 Processing of Horticultural crops. **Office Order No.CAET /EST/469/2014 Date: 14/08/2014.**
13. **As a External Examiner** to conduct the semester end practical examination of Course No. ENGG-121 on 05/04/2014. **Outward No. SEL/EXAM/PRACT/432/2014, Date: 05/04/2014.**
14. **As a External Examiner** to conduct the semester end practical examination of Course No. ENGG-364 on 04/04/2014. **Outward No. SEL/EXAM/PRACT/428/2014, Date: 04/04/2014.**
15. **As a evaluator** to evaluate the semester end theory paper of Course No. APE-355 B.Tech (Agril.Engg.) of V Sem. Registrar Office No.AXN/D-I/Exam/2014-15 **Date:29/12/2014.**
16. **As a evaluator** to evaluate the semester end theory paper of Course No. ENGG-232 of B.Sc Agri.of III Sem. Registrar Office No.AXN/D-I/Exam/2014-15 **Date:15/11/2014.**
17. **As a evaluator** to evaluate the semester end theory paper of Course No. ENGG-232 of B.Sc Agri.of III Sem. Registrar Office No.AXN/D-I/Exam/2014-15 **Date:1/11/2014.**
18. **As a evaluator** to evaluate the semester end theory paper of Course No. ENGG-232 of B.Sc Agri.of III Sem. Registrar Office No.AXN/D-I/Exam/2014-15 **Date:31/10/2014.**
19. **As a evaluator** to evaluate the semester end theory paper of Course No. ENGG-364 of B.Sc Agri.of VI Sem. Registrar Office No.AXN/D-I/Exam/2014-15 **Date:22/05/2014.**
20. Certificate of English Typewriting Board :MSCE Pune 2010.
21. Certificate of MSCIT Board: Mumbai: **85%** 2004.

Personal Details:

Name	-	Avinash Suresh Kakade.
Date of Birth	-	19 th August, 1989.
Sex	-	Male
Father	-	Late. Shri. Suresh Appasaheb Kakade.
Mother	-	Smt. Vandana Suresh Kakade.
Strength	-	Writing and Communication Skill, Quick learner.
Language Known	-	English, Hindi and Marathi.
Address	-	Behind Adsure Complex, Mukindpur, Newasaphata, Near Roseland school, Taluka: Newasa Dist-Ahmednagar, (MS), India:-414603.

Correspondence address - C/o Sudhakar Daware, Plot No-5, Bhagyalaxmi Nagar, Parbhani.
(MS), India:-4431402.

I hereby declare to bear the responsibility for the correctness of the information given in this curriculum vitae.

Signature

Dr. Kakade Avinash Suresh
SRF-FPA-NAHEP-CAAST
VNMKV, Parbhani.

Date : January 2020

Place : - Parbhani.