

Curriculum Vitae

Name: Dr. Pratik Pandit Potdar

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Date of Birth:13/04/1993



Academic Credentials

Class/ Degree	Specialization	Institution/ College	University/ Board	Year	%/CGPA	Class
Ph.D	Processing and Food Engineering	College of Agricultural engineering & Technology	Punjab Agricultural University, Ludhiana	2023	7.76	1 st
N.E.T.	Agricultural Structure and Process Engineering	ICAR	ICAR- ASRB	2018	49.78	Qualify
M.Tech.	Processing and Food Engineering	College of Agricultural engineering & Technology	Punjab Agricultural University, Ludhiana	2018	7.757	1 st
B.Tech.	Agricultural Engineering	College of Agricultural engineering & Technology	V.N.M.K., Parbhani	2015	7.61	1 st
HSC	Science	Shri Shivaji College, Parbhani	MSBSHSE	2011	72.63	1 st
SSC	-	Bal Vidya Mandir, Parbhani	MSBSHSE	2009	85.07	1 st

Ph.D research: Development of paddy straw-based bio-composite packaging material for fresh produce

Key Research Areas:

- Food Packaging, Bio-Degradable Packaging

M.Tech research: Process optimization for extraction of lemongrass essential oil

Key Research Areas:

- Oil extraction
- Bio-active compound extraction

Other Credentials:

- Senior Research Fellowship (SRF) award for PhD- Indian Council of Medical Research, New Delhi, India
- National Talent Search scholarship (NTS) for PG - Indian council of Agricultural Research, New Delhi, India
- Secured all India rank-16 in Indian Council of Agricultural Research (ICAR), Junior Research Fellowship exam for PG admission
- Received Best PhD Thesis Award in International conference

Experience

Sr. No.	Organization	Post	From	To	No. of Years
1	Brane Enterprises Pvt. Ltd. Hyderabad	Associate Solution Leader	15 th January to	2 nd Sept. 2024	8 months
2	Indian Council of Medical Research (ICMR)	Senior Research Fellow	24 th Aug 2022 to	25 th Aug- 2023	1
3	National Agricultural Higher Education Project, Government of India (V.N.M.K.V., Parbhani)	Senior Research Fellow	19 th Oct to 31 st Dec -2023		3 months
4	Sir Choturam College of Agricultural Engineering and Technology, Lodga, Latur	Assistant professor	1 st Jan 2019 to	3 rd Jan 2020	1 Year

List of Courses Taught/Teaching at UG level :

Taught/teaching following courses at UG level at Sir Choturam College of Agricultural Engineering and Technology, Lodga, Latur

- Farm Machinery and Equipment
- Farm Machinery and Equipment - II
- Post Harvest Technology
- Dairy Technology
- Crop Process Engineering
- Seed Process Engineering

Additional Assignments/Duties

- Class Test coordinator
- Term Work Coordinator
- Practical Oral Exam Coordinator
- Food Engineering lab incharge
- UG Project Coordinator
- FY Admission Committee Member

Membership of Professional Bodies

1. Life member of The Indian Society of Agricultural Engineers (ISAE))
2. Life member of The Indian Society of Agriculture and Horticulture Research Development (ISAHRD)

Computer/Software Proficiency

- **Applications:** R-Studio, SPSS, MS Office, AutoCAD
- **MS - CIT**
- **Python Programming**

NPTEL Courses

- Nil

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference Attended

- Oral presentation in 58th Convention of Indian Society of Agricultural Engineers, Parbhani, India (Online mode) - 2024
- Poster presentation in the VIIth International Conference on Global Research Initiatives for Sustainable Agriculture and Allied Sciences, Merut, India.(Online mode) - 2023
- Oral presentation in International e-Conference on Biopolymers, APA bio-forum, IIT Delhi, New delhi, India (Online mode) - 2022
- Oral presentation in 21st Scientific Advances for Enclusive Development and Environmental Protection, Punjab Science Congress, Ludhiana, India. -2018
- Five days International Workshop on "Technologies for Increasing the Shelf-Life of Perishable Foods" (online mode) at NIT, Rourkela, India
- Attended 3 days International FDP on : Strengthening Research and Innovation Ecosystem in Higher Education" in nzone mode: 24th to 26th March 2025

- Internal Auditor Laboratory Management System ISO/IEC 17025
- Internal Auditor Food Safety Management System(FSMS) ISO 22000:2018
- Internal Auditor HACCP Codex Alimentarius Standard
- Python programming course on Udemy platform.
- R programming for data science course on Udemy platform
- Four months **internship-in-plant training** at **Bhansali Trailors Pvt. Ltd., Kopargaon, Maharashtra**
- Five days **International Workshop on "Technologies for Increasing the Shelf-Life of Perishable Foods"** (online mode) at **NIT, Rourkela, India**
- Four months **internship-in-plant training** at **Bhansali Trailors Pvt. Ltd., Kopargaon, Maharashtra**
- Fifteen days of **AUTO-CAD Training** at **Indo German Tool Room , Aurangabad**
- One month **Summer Training on Seed Processing and Storage Engineering** at **Maharashtra State Seeds Corporation Limited, Parbhani, Maharashtra**
- One month **Summer Training** at **North Eastern Region Farm Machinery Training and Testing Institute, Biswanath Chariali, Assam**

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference organized

- Nil

Research Projects/Projects Guided

- **Development of paddy straw based bio-composite packaging material for fresh produce (Funded Project)**

List of Research Publications

Papers in National/ International Journal:

Sr. No.	Title of paper published	Author name	Name of journal	Volume /Year/page No.
1	Valorization of paddy straw through development of PLA-paddy straw fibre reinforced composites and their physical, morphological, mechanical and thermal characterization	Potdar P P, Kaur P, Radhakrishnan S, Singh M, Neve H T, & Singh S	<i>Biomass Conversion and Biorefinery</i>	https://doi.org/10.1007/s13399-023-04752-2 /2023
2	Convective and pulsed microwave drying of lemongrass (<i>Cymbopogon citratus</i>) shreds: Kinetic modeling, retention of bio-actives, and oil yield	Potdar, P P, Kaur P, Zalpouri R, & Ummat, V	<i>Journal of Food Processing and Preservation</i>	46(12), e16914, https://doi.org/10.1111/jfpp.16914 / 2022
3	Structure development and properties of plasticized PVA-starch-paddy straw composites	Potdar P P, Kaur P, Singh M, Kulkarni M B	<i>Cellulose Chemistry and Technology</i>	https://doi.org/10.35812/cellulosechemtechnol.2

		& Radhakrishnan S		023.57.95 / 2023
4	Effects of different aqueous extraction techniques on physicochemical quality and oil recovery of sesame oil	Singh G, Kumar M, Zalpouri R, Potdar P P , Singh K, & Kaur K.	<i>Environment Conservation Journal</i>	24(1), 136-142. https://doi.org/10.36953/ECJ.11892309 / 2023

Book Chapters:

Sr. No.	Title of Book Chapter	Author name	Name of Book and Publisher	Volume /Year/ page No.
1	<i>Application of microwave heating in cooking</i>	Potdar P P , Kaur P, Zalpouri R, Kau, K & Kalsi B S	<i>Handbook of Emerging Non-thermal Food Processing Technologies - Microwave Processing: Fundamentals and Applications, CRC Press, Taylor & Francis Group.</i>	2024
2	<i>Ohmic heating and its application in extraction technology for food and food products</i>	Kalsi B S, Singh S, Kaur K, Zalpouri R & Potdar P P	<i>Ohmic heating: Potential tool for food processing. Apple Academic Press, Inc, Florida</i>	2023

Technical Articles

Sr. No.	Title of Article	Author name	Name of Magazine/Bulletin	Volume /Year/ page No.
1	<i>Edible coating: types and their effects on fruits and vegetables</i>	Zalpouri R and Potdar P	<i>Food Infotech Magazine</i>	2(11): Pp 34-36. / 2021
2	<i>Small town boy in the world of research through lemongrass (Research story)</i>	Potdar P P and Kaur P	<i>Just Agriculture Magazine</i>	3(9): Pp 268-270 e-ISSN: 2582-8223 / 2023

Date: 12/04/2025

Dr. P. P. Potdar

Place: Chhatrapati Sambhajinagar