

Faculty Profile

Mahesh Bhimashankar Tengli, PhD					
Assistant professor (Agricultural Extension Education)					
Affiliation (Since 30 December 2019 till date)					
School of Social Sciences, College of Post Graduate Studies in Agricultural Sciences, Central Agricultural University (Imphal), Umiam793103, Meghalaya					
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Personal (Educational) website: https://extensionedulab.com					
Educational qualifications					
Degree	University	Year	CGPA		
Ph.D (Agril. Extension)	ICAR-National Dairy Research Institute Karnal, Haryana.	2019	8.45		
M.Sc (Agril. Extension)	Navsari Agricultural University, Gujarat.	2016	8.76		
B.Sc (Agriculture)	University of Agricultural Sciences, Raichur, Karnataka.	2014	8.29		
Recognition/Award					
<ul style="list-style-type: none"> ➤ Secured University level First rank in the Department of Agricultural Extension in M.Sc. Degree. ➤ Awarded Indian Council of Agricultural Research-National Dairy Research Institute, Karnal Institute fellowship in 2016. ➤ Qualified ICAR-National Eligibility Test conducted by ASRB in 2017. ➤ Awarded UGC- JRF and Qualified University Grants Commission- National Eligibility Test conducted by CBSC-UGC in 2017. ➤ Awarded Director's Best PhD Research Thesis 2018-2019 by ICAR-National Dairy Research Institute, Karnal. ➤ Received best oral paper award during National seminar on "Climate resilient Millet Production Technologies for Sustainable Agriculture (CRMPTSA-2023) held during 28-29 April 2023 ➤ Delivered an Invited talk on topic" Structural Equation Modelling" during MANAGE & KAU collaborative online training on "Advances in Agricultural Extension Research" during 2-4 May 2023. ➤ Received Best Poster presentation award during "International conference on Agriculture in Hill and Mountain Landscape" An interdisciplinary Perspective. Poster title "Mapping States in India for biofortified Cauliflower intervention". ➤ Received Best Oral presentation award during "International conference on Agriculture in Hill and Mountain Landscape" An interdisciplinary Perspective. Paper title "Banana Biofortification for Sustainable Nutrition: State Priority Mapping in India". ➤ Received Best Oral paper presentation award during First International Extension Education Congress 2023 (IEEC-2023) held at Rajasthan. Paper Title: "Modelling Dairy Farmers' Support for Dairy Tourism Development (DFSDTD): a case from the Trans-Gangetic Plains of India". ➤ Received Best paper award during 12th National Seminar on Futuristic Agriculture: Technology Sustainability and Beyond, held from 22-24 May 2025, at CPGSAS, Umiam Meghalaya. 					
Research Interest					
Nutrition sensitive Extension, Entrepreneurship, Behavioral modeling and Policy Research					
Research skills: Structural Equation Modelling, Qualitative research, data analysis using R, Psychometrics					
Student Research					
PhD Thesis : Development of Dairy Tourism Gangetic Plains of India Model for Trans-Gangetic Plains of India.					

Student Guidance and Thesis title: Guided four master's in agriculture Extension students					
1. Assessing concerns of Kiwi Growers of Lower Subansiri District of Arunachal Pradesh					
2. Development of Agro Eco Tourism Model for East Khasi Hills of Meghalaya					
3. Assessing Entrepreneurial Intension of Central Agricultural University (Imphal) Students					
4. Development of Millet Management Information System for Meghalaya					
5. Ongoing one PhD thesis on Carbon Farming potential of NE India					
6. Ongoing one master's thesis on identification and quantification of indicators of natural farming					
Teaching					
Sl. No.	Course Code	Course Name	Credit Hours	Level	
1	FEX -505	Community Mobilization and Organizational Development	(1+ 1) = 2	M.Sc (Fisheries Extension)	
2	FEX 511	Development Journalism for M. F.Sc. Credit Hours	(1+ 1) = 2	M.Sc (Fisheries Extension)	
3	HECM-504	Media Production and Management	(1+2) = 3.	M.Sc (Community Science Extension)	
4	EECM 505	Dynamic Communication skills	(2+1) =3	M.Sc (Community Science Extension)	
5	BSH-320	Introduction to Rural Sociology, Credit hours	(2+0) = 2.	B.Sc	
6	EEC-366	Diffusion and Adoption of Homestead Technology; Credit hours	(2+1) = 3	B.Sc	
7	EXT -243	Agricultural Journalism	(2+1) = 3	B.Sc	
8	EXT 352	Entrepreneurship Development and Business Communication	(1+1) = 2	B.Sc	
9	EXT 122	Communication skills and personality development	(1+1) = 2	B.Sc	
10	EXT 123	Fundamentals of Agricultural Extension Education	(2+1) = 3	B.Sc	
11	EXT 502	Applied Behavior Change	(2+1) = 3	M.Sc (Agri. Extension)	
12	ABM 539	Communication for Management and Agri-Business	(2+1) = 3	ABM	
13	ABM 502	Managerial Accounting and control	(2+1) = 3	ABM	
14	EXT -504	Research methodology in Extension;	(2+1) = 3	M.Sc (Agri. Extension)	
15	EXT 507	Evaluation and Impact Assessment	(2+1) =3	M.Sc (Agri. Extension)	
16	EXT 601	Policy Engagement and Extension	(2+1) = 3	Ph.D (Agri. Extension)	
17	PGS-502	Technical writing and communication skills	(0+1) = 1	M.Sc and Ph.D	
18	PGS-505	Agricultural Research, Research Ethics and Rural Development Programme	(1+0) = 1	M.Sc and Ph.D	
Research Projects					
Sl. No.	Title	Funding Agency	Budget	Duration	Status
1	Development of Millet based Nutri Economic Model for Tripura: Addressing Nutrition of consumer & Livelihood of Farmers (PI)	ICAR-IIMR, Hyderabad	19.8 Lakhs	2020-2023	Completed

2	Establishment of Centre of Excellence on Millets (CoE-M) for Entrepreneurship Development in Climate Change Scenario in Meghalaya. (PI)	ICAR-IIMR, Hyderabad	15.0 Lakhs	2023-2025	Completed
3	Capacity Development programme on Organic Production and Processing of Millets for Master trainers and Millet farmers of Meghalaya for Entrepreneurship development (PI)	ICAR-IIMR, Hyderabad	10.0 Lakhs	2023-2025	Completed
4	Scaling up of biofortified tuber crops through rainbow diet approach in the NEH region. (Co-PI)	ICAR-CTCRI, Kerala	10.00 lakhs	2021-2025	Completed
5	Promotion of Dairy Farming for Upliftment of Socio-Economic Status of Tribal Farmers through technological interventions in NEH Region. (Co-PI)	ICAR-IISR, Lucknow	26.0 Lakhs	2024-2025	Completed
6	Aditya Prabha Gram Project: Fostering Agricultural Harmony in Border Communities of Eastern Himalayas. (Co-PI)	North Eastern Council, DoNER	497.51 Lakhs	2025- 2028	Ongoing
7	Upscaling Rice-Based Natural and Organic Farming Systems: Transitioning Tribal Communities in Northeast India's Hilly Agroecosystems. (Co-PI)	ICAR-CRRI Cuttack	26 Lakhs	2025-2026	Ongoing

Research and extension IDs

Google Scholar : <https://scholar.google.com/citations?user=8lufYIoAAAAJ&hl=en>

ORCID : [0000-0003-3815-338X](https://orcid.org/0000-0003-3815-338X)

Research Gate : https://www.researchgate.net/profile/Mahesh-Tengli?ev=hdr_xprf

LinkedIn : <https://www.linkedin.com/in/mbt2024/>

Personal (Educational) website: <https://extensionedulab.com>

Publications

Research Articles

Sl.No.	Article citation
1	Tuhani Akhtar, Loukham Devarani, Nancy Zomuanpuii, M.B. Tengli , B. Sethi and P.M.N. Rani. (2025). Identification and Prioritization of Challenges Faced by Village Organizations in Meghalaya: A MoSCoW Prioritization Approach. Journal of Community Mobilization and Sustainable Development, 20(3), July-September 2025, 767-772
2	Pampi Paul, Hejbina M Hussain, N Uttam Singh, A Yumnam, A Roy, S Deori, B Makdoh, KP Biam, CH Gowda, MB Tengli , Bulbul Nagrale, BP Singh. (2025) Reaching tribal farmers in Meghalaya: Assessing the effectiveness of technology dissemination methods. Int J Agric Extension Social Dev, 8(2):11-16. DOI: 10.33545/26180723.2025.v8.i2a.1599
3	Sangma, A. S., Lahiri, B., Ghosh, A., Pal, P., Singh, S. K., Tengli, M. B. , Meinam, M., & Chandegara, A. K. (2025). Social values of angling tourism in the Garo Hills of Meghalaya, North East India: fish farmers' perspectives. Journal of Fisheries, 13(1), 131206. https://doi.org/10.17017/j.fish.690
4	Vishnu, S., Tengli, M.B. , Ramadas, S., Archana R. S. and Archana.(2024) Bridging the Divide: Assessing Digital Infrastructure for Higher Education Online Learning. TechTrends 68,1107–1116 . https://doi.org/10.1007/s11528-024-00997-4
5	Tengli, M.B. , Meena, B.S., Paul, P., Dixit, A.K., and Sivakumar, P.S. (2023). Dairytourism model for enhancing farmers' income: a niche tourism product from Trans Gangetic Plains of India. <i>Current Science</i> . 125(4):401-406

6	Pallavi Shaktawat, Mahesh B. Tengli , R.J. Singh, S. Swayamprava and M.S. Singh. (2024) Who is Ethno-Eco Cultural Entrepreneur? Case Study from Ri-Bhoi, Meghalaya. <i>Indian Research Journal of Extension Education</i> , 21(1), 53-62.
7	Sangappa, D. Rafi, B. Laxmi, Mahesh B Tengli and Ravi S.C. (2024) Determinants of Managerial Abilities of Farmers: Insights from Millet Based Farmer Producer Organizations (FPOs) of Karnataka. <i>Indian Research Journal of Extension Education</i> , 23(4), 117-121.
9	Tengli, M.B , Sivakumar, P.S., Pampi Paul and H. Kesava Kumar (2021). Sweet potato biofortification priority index – a strategic tool for scaling up of biofortified varieties, <i>Current science</i> . 121 (7): p 950-957.
10	Chauhan, J. K., , B.S. Meena, H.R. Meena, Champak Bhakat, A.D. Upadhyay, Biswajit Lahiri, Prasenjit Pal, M.B. Tengli , Sachin Kumar, Abhay Kumar Chandegara and Khawabi Koreti (2022). Assessment of Livelihood Security and Diversification of Tribal Dairy Farmers in NEH Region of India. <i>Indian Research Journal of Extension Education</i> , 22(3): 182- 187.
11	Tengli, M.B. , Meena, B.S. and Paul, P. (2021). Expectations of tourists from dairy tourism: a case from trans-gangetic plains of India. <i>Indian Research Journal of Extension Education</i> , 21(1): 118-122.
12	Tengli, M. B. , Meena, B. S., Pampi Paul and Santosh Onte (2019). Dairy tourism, a new facet of dairy entrepreneurship: visitors' perception, <i>Indian Journal of Dairy Science</i> , 72(3): 347-35.
Review articles	
1	Hiba Meeyo, Tengli, M. B. , , Shubham Gaurav and Santosh K. S.(2024). Climate Change Adaptation Strategies and Vulnerabilities of Indian Farmers: A Systematic Literature Review (ROSES Approach). <i>Indian Research Journal of Extension Education</i> , 24(4):1-11.
2	S.K. Sahoo, M.B. Tengli, Hiba Meeyo, Shubham Gaurav and M.S. Singh. (2025) A Systematic Literature Review on Agrotourism Models (SALSA approach): Mapping Research Trends and Key Factors, <i>Indian Research Journal of Extension Education</i> , 25(2&3):34-35.
Books	
1	M. Kallur, M. B. Tengli , Pampi Paul and M. Shirur 2021 Comprehensive Question Bank on Agricultural Extension Education Akinik Publications, New Delhi December 2021. (ISBN No. 978-93-5570-055-1).
Book chapters	
1	Sahoo, S. K., Tengli, M. B. , Gaurav, S., & Meeyo, H. (2025). Business environment in the Indian economy. In S. Kumar, D. C. Meena, S. Bhattacharyya, & A. Thakur (Eds.), <i>Dairy entrepreneurship development and industrial consultancy</i> . Content Vibes.
2	Gaurav, S., Tengli, M. B. , Meeyo, H., & Sahoo, S. K. (2025). Concept of entrepreneurship; Entrepreneurial and managerial characteristics; Managing an enterprise; Motivation and entrepreneurship development; Importance of planning, monitoring, evaluation and follow up. In S. Kumar, D. C. Meena, S. Bhattacharyya, & A. Thakur (Eds.), <i>Dairy entrepreneurship development and industrial consultancy</i> . Content Vibes.
3	Meeyo, H., Tengli, M. B., Gaurav, S., Sahoo, S. K., & Singh, M. S. (2025). Venture capital, contract farming and joint ventures, public-private partnership. In S. Kumar, D. C. Meena, S. Bhattacharyya, & A. Thakur (Eds.), <i>Dairy entrepreneurship development and industrial consultancy</i> . Content Vibes.
4	Paul Pampi, Meena B.S., Tengli M. B. , Kumar Bagish and Sinha Pankaj Kumar (2020). Awareness about the Greenhouse Gases Emission ; A Chapter from Dairy Farmers 'perspective, in a Book titled Climate Change Adaptation and Sustainable Livelihoods, Edited By Gavail R.S., K.R. Krishna, Babu V. Suresh and Mishra S.K. Published By Centre for Natural Resource Management, climate change and disaster mitigation, NIRD&PR, Hyderabad Pp.84-91(ISBN 978-81-944719-6-7

5	Meena B. S., Paul Pampi and Tengli M. B. (2022). Calculation of carbon footprint to agricultural Produce specifically milk production , in a Book titled Analytical Approaches for Vulnerability and Adaptation to Climate Change in Agriculture edited by S. Maiti, S. Garai, M. KV, BS Meena, G. S. and KS K. published by Head, Dairy Extension Division, ICAR-NDRI, Karnal Pp. 68-73; ISBN: 978-81-952712-1-4
6	Mahesh Tengli , O. P. Sharma, and Pampi Paul. (2023). Emerging Trends and Challenges in Agricultural Extension in a Book titled "Climate Smart Technologies in Agriculture and Agro-forestry: Challenges and Prospects" edited by Sushil Kumar and Avnish Kumar Pandey, Pp. 161-175; ISBN 978-93-92941-35-1.
Popular articles	
1	Paul Pampi, Tengli M.B. , Mukherjee A., Singh N. Uttam and Roy A. (2020). Supply Chain Management: Trust and Technology, Food and Scientific Reports, Vol. 1(19): 63-65
2	Paul Pampi, Tengli M.B. , Singh N. Uttam, Roy A. and Mukherjee A (2022). Impact Assessment of Agricultural Research, Food and Scientific Reports Vol. 3(2) February; 21-23
3	Tengli, M. B. , Pampi Paul, Sivakumar, P.S. and Kallur, M. (2022). Farm business school: transforming smallholder farmer into a farmer entrepreneur; AGRIALLIS, 4(1). pp 1-6.
4	Dippuraj Laishram, Binodini Sethi and M. B. Tengli. (2022). Lotus Fibre: A Rarest Fabric. Agriallis, 4(12). pp 39-44.
5	Vinod Kumar Naik, J. J. Rajappa, Hanumanth Halli, C Umesh, Mahesh B Tengli and C. B. Harish (2023). Natural farming Indian new agriculture revolution. Krishi Vignana, 1(1). Pp 29-30
6	Vinod Kumar Naik, J. J. Rajappa, Hanumanth Reddy Kenchareddy, Hanumanth Halli, Mahesh B Tengli and C. B. Harish (2023). Quinoa: A promising crop for the dry regions of Karnataka. Krishi Vignana, 1(2). Pp 11-14.
Blogs/ E resources	
1	Mahesh B. Tengli (2020). Research Onion: A Systematic Approach to Designing Research Methodology. Agricultural Extension in South Asia. https://www.aesanetwork.org/research-onion-a-systematic-approach-to-designing-research-methodology/
2	Paul Pampi, Tengli Mahesh B , Singh N Uttam, M. Anirban, Roy A. and Gowda C H. (2021). Life cycle assessment (LCA) as a methodological approach. Agricultural Extension in South Asia. https://www.aesanetwork.org/blog-146-life-cycle-assessment-lca-as-a-methodological-approach/
3	Mahesh B. Tengli (2019). Status of Extension Research: The Questions we need to ask and the Lessons we can Learn. Agricultural Extension in South Asia. https://aesanetwork.org/status-of-extension-research-the-questions-we-need-to-ask-and-the-lessons-we-can-learn/
4	Mahesh B. Tengli (2023). Mighty Millets: A Millet booklet for Children. College and PG studies in Agricultural Sciences, Umiam. Available at https://cauimphal.online/files/IYM%20Millet%20Booklet%20CPGSAS%20Umiam%202023.pdf
Teaching manual (Flipbooks)	
1	Mahesh B Tengli , Pampi Paul, Srikar Katiki and L. Devarani (2023). Entrepreneurship Development and Business Communication. CPGSAS, CAU(I), Meghalaya. https://heyzine.com/flip-book/eb04757692.html#page/1
2	Mahesh B Tengli , Pampi Paul and R. J. Singh (2023). Technical Writing for Research Students. CPGSAS, CAU(I), Meghalaya. https://heyzine.com/flip-book/d8e57c00de.html#page/1
Software / Model/Policy tool developed	
1	Developed dairy tourism model for Trans-Gangetic plains of India
2	Developed Millet Management Information System for Meghalaya Link: https://milmis.in/
3	Developed Millet Project Monitoring System Link : https://milletpmos.in/
4	Developed Digital Infrastructure Index a policy tool
5	Developed Sweet potato Biofortification priority Index a policy tool

Training attended
Attended ICAR sponsored 21 days Winter school on “Advances in Social Sciences Research and Evaluation” organized by ICARNAARM, Hyderabad during 25th January to 14th February 2022.
Participated in the Five Day(s) Management Development Program 'Nurturing Future Leadership Program" under the aegis of MMTTP, Ministry of Education, Govt. of India, organized during 24th June to 18th June 2024.
Participated in Two Week short course on "Advanced Geospatial Technologies Towards Precision Agriculture" from 25th August to 05 th September 2025." Organized by North Eastern Space Application Center, Umiam, Meghalaya.
Training organised
Organising secretary of seven days collaborative online International Webinar Series on “Emerging Trends in Extension and Social Sciences Research” held between 10th to 16th June 2020.
Course coordinator and facilitator for 12 days certificate course on “Insecticide Management for Insecticide Dealers/Distributors”. Dated 24-08-2021.
Organized three (3) number of six (06) weeks Hands-on-training programme on value addition and marketing of minor forest products under TRIFED-PMVDY-ESDP during 2021-22 for three Van Dhan Vikas Kendra beneficiaries. Served Course director.
Course director for National Young professional Development Programme “ New Competencies, career opportunities and research priorities in agricultural extension” held between 11-15 November 2024 at CPGSAS, Umiam Meghalaya.
Course director for exposure visit-cum Master trainer training programme on "Advanced Millet Processing and Value Addition Technologies" for 10 millet farmer-entrepreneurs of Meghalaya, at ICAR IIMR Hyderabad from 17 to 21 Feb. 2025.
Course director for on-campus training programme on "Organic Package and practices for millets and vegetables in Meghalaya" for millet farmer of Meghalaya, at CPGSAS, Umiam from 24 to 28 March 2025.
Administrative duties
Served as Assistant to Nodal officer of Priority setting Monitoring and Evaluation Cell in College of Fisheries Tripura. From 23 rd of November 2020 till 19 th May 2022.
Served as coordinator of ICAR-CTCRI Kerala NEH Rainbow diet campaign in Tripura from 08 th January 2021 till 19 th May 2022.
Served as an In-charge of Agricultural Technology Information Center (ATIC) from 3 rd January 2020 to 19 th May 2022 (2 years 4 months)
Nodal officer of Resource Management Cell (RMC) of College of Fisheries, Tripura from 7 th January 2021 to 19 th May 2022 (1 year 4 months)
Nodal Officer Celebration of International year of Millets 2023 at CPGSAS, Umiam for the calendar year 2023. (1 year)
Serving as Member secretary - Rajbhasa Hindi Committee of College of Post-Graduate Studies in Agricultural Sciences, Umiam from 9 th September 2024 to till date.
Serving as a Assistant Academic In-Charge of College of PG Studies In Agricultural Sciences, Umiam from 23 rd March 2024 till date.

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(M. B. Tengli)