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Discipline : Agricultural Extension

Service Particulars

- Scientist (2016-till date, ICAR-NIRCA, Rajahmundry)

Areas of Expertise for Consultancy Purpose

- Entrepreneurial competency assessment of Farmer Producer Organizations in commercial crops
- Socio-economic assessment of tobacco and constraint analysis of crop diversification
- Impact assessment of WHO-FCTC on tobacco - policy perspective and sectoral analysis
- Front line extension including capacity building programmes and mobile app content development for tobacco stakeholders

Research Publications (Best Ten)

- 1) **B. Hema**, M. Sheshu Madhav, Ch. Bindhu, Y. Subbaiah, VSGR Naidu, H. Ravisankar and L.K. Prasad. 2025. Tribal Farmer Producer Organizations Constraints in Turmeric Value Addition. AATCC Review , Vol 13 (2) pp: 61-65
- 2) J Poorna Bindu, M Sheshu Madhav, D Damodar Reddy, M Mahadevaswamy, C Chandrasekhara Rao, L K Prasad, S Kasturi Krishna, **B Hema**, Rajasekhara Rao Korada & R D Veda Vyas. 2025. Potassium schoenite: A sustainable potassium source for Flue-Cured Virginia (FCV) tobacco production. Plant Science Today Vol 12(2), pp 1-8.
- 3) **B. Hema**, M. Sheshu Madhav, V. Jyothi, Y. Subbaiah, VSGR. Naidu, H. Ravisankar, L.K. Prasad, V. Nikam and S. Subhashree. 2025. A glimpse on farmer producer organizations: Retrospects and prospects. International Journal of Agriculture Extension and Social Development. 8(2): 170-181.
- 4) **B. Hema**, D. Damodar Reddy, M. Sheshu Madhav, A. Srinivas, S. Kasturi Krishna, Y. Subbaiah and L.K. Prasad. 2024. Orobanche Infestation in Tobacco: Farmers' Knowledge and Constraints. Journal of Community Mobilization and Sustainable Development, 19(1): pp 207-212.

- 5) K. Viswanatha Reddy, D. Damodar Reddy, M. Sheshu Madhav, P. Prakash, **B. Hema** and A. Srinivas. 2023. Impact of WHO-FCTC on the performance of Indian tobacco sector. *Current Science*, 124(7): 840-844
- 6) **B. Hema**, D. Damodar Reddy, A. Srinivas , Y. Subbaiah and S. Kasturi Krishna. 2022. Crop Diversification in Tobacco Growing Areas: Farmers' Practices and Perceptions. *Journal of Community Mobilization and Sustainable Development* Vol. 17(4): 1319-1326.
- 7) **B. Hema**, D. Damodar Reddy, A. Srinivas, Y. Subbaiah and S. Kasturi Krishna. 2022. Constraints for Crop Diversification in FCV tobacco Growing Regions of Andhra Pradesh and Karnataka. *Journal of Community Mobilization and Sustainable Development*. 17(2): 413-419.
- 8) **B. Hema**, D. Damodar Reddy , K. Viswanatha Reddy , A. Srinivas and S. Kasturi Krishna. 2021. Impact Assessment of Flue-Cured Virginia Tobacco in Mysore and Hassan Districts of Karnataka. *Indian Journal of Extension Education*. 57(2): 76-81.
- 9) **Hema Baliwada**, J. P. Sharma, R. R. Burman, M. S. Nain, Anil Kumar and P. Venkatesh. 2017. A study on institutionalization of farmer-led innovations for their scaling up. *Indian Journal of Agricultural Sciences*. 87 (12): 1725-9.
- 10) **Hema Baliwada**, J.P. Sharma and Reshma Gills. 2016. Farmer-led innovations: Retrospect and Prospects. *Indian Journal of Agricultural Sciences*. 86 (10): 1257-64.

Awards/ Honours/ Recognitions

- ICAR-Jawaharlal Nehru Award for P.G. Outstanding Doctoral Thesis Research
- Associate Fellow of APAS for contribution to Science & Technology
- IARI Best Student of the Year for overall outstanding performance in Doctoral research
- Young Scientist award from ISTS
- Appreciation award, Outstanding Research Scholar Award and Young Women Scientist award for extension research contribution by Mobilization society
- Prof. G. Ranganathan Award, Cumbum M. Syed Mohammed Award and International Extension Forum Awards for contribution to research in Masters degree programme at TNAU
- Copyright for developing the content for 'Mobile App : CTRI - FCV Tobacco' (registration number SW-14004/2020)
- Copyright for developing 'Knowledge Based System for Tobacco Weed Management' (registration number SW-14895/2021)