Dr. Ameena M.

Professor (Agronomy)
Department of Agronomy
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Summary

My research interest in the biology and management of weeds started with my MSc. program wherein I worked on a project entitled "Investigations on allelopathic influence and control of purple nutsedge". Since then I have been working on the broad area of management of weeds with special emphasis on the biology and ecological conditions favouring the emergence and spread of weeds. In the last one decade of my research career, I have worked on the biology of different weeds in question especially in the lowlands and problematic in rice and could formulate management strategy based on the ecological factors favouring the growth of weed. Managing abiotic stress using root endophytes is one area of interest I have started working on now in rice. Urban farming is another area of interest for me where I could standardise growth media, and nutrient scheduling for crops suited for container cultivation in urban homesteads.

Research Highlights

- An integrated management strategy for control of purple nutsedge
- A herbicide based weed management strategy for semidry rice
- Management strategy for weedy rice by enhancing crop competitiveness.
- Integrated weed management strategy for control of *Schoenoplectus juncoides*, *Sphenoclea zeylanica* and *Leptochloa chinensis* in wet seeded rice
- Growth media completely excluding sand for container cultivation of vegetables in urban households and a ready to use soil less growth media for container cultivation of tomato and amaranthus
- A growth medium using suchitha for container grown spinach beet and nutrient scheduling
- Agronomic package including growth medium, nutrient schedule and trailing method for container grown yardlong bean
- Two Black gram varieties tolerant to partial shade in coconut garden had been identified along with foliar nutrient schedule for enhanced productivity in coconut garden

Experience

Joined Kerala Agricultural University as Assistant Professor (Agronomy) in the year 2005

Education

- Graduated in Agricultural Science from Kerala Agricultural University (1997)
- Post Graduation in Agronomy from Kerala Agricultural University (1999)
- Ph.D in Agronomy from Kerala Agricultural University (2003)

Area of Specialization

Weed management, weed biology, allelopathy of weeds, abiotic stress mitigation with root endophytes, urban farming

Awards & Recognitions

- Recepient of the '**Best Teacher Award'** of KAU 2024
- Recipient of **NUFFIC Fellowship 2017** for undertaking international training at Wageningen University, The Netherlands

- Received Best Poster Award in the XXII National Symposium on 'Climate Smart Agronomy for Resilient production systems and Livelihood security' organised by Indian Society of Agronomy during 22-24 November 2023 held at ICAR-CCARI,Goa, India
- Received Best Poster presentation Award twice (2015 and 2017) in the Second and Third National Biodiversity Congress organized by Biodiversity Board held at Trivandrum, India
- Received Second Best Oral Presentation Award in the National Conference on 'Emerging challenges and Opportunities in biotic and abiotic stress management in Rice' held during December 2014 at Directorate of Rice Research, Hyderabad, India
- Recipient of 'Young Scientist Award' in the National Conference on 'Emerging challenges and Opportunities in biotic and abiotic stress management in Rice' held at Directorate of Rice Research, Hyderabad, India
- Letter of Appreciation from Director of Extension, Kerala Agricultural University as team member for fetching Best KVK Award 2015 of Zone VIII to KVK,Palakkad
- Selected as Outstanding participant in the 21 days training programme in 2013 held at Central Rice Research Institute, Cuttack,India
- Letter of appreciation from Director of Extension, Kerala Agricultural University for the successful conduct of First Farmers' Science Congress organized at state level in 2008
- Certificate of Appreciation received from AICRP Forage crops and utilization NGM 2024 for contribution and development of Technology on 'Organic nutrient management in cowpea fodder maize under the irrigated situation' during 2023.
- Received Best Poster Award in the Biennial National Symposium on "Climate Smart Agronomy for Resilient Production Systems and Livelihood Security" 22- 24 November, 2023 held at ICAR-CCARI, Goa
- Served as Mentor for the third best idea presented in Ideathon competition in the International Biozion conference 2023

Awards to Students under guidance

- The thesis of my PhD student Ms. Pooja A.P. received the **PKR Nair prize for the Best PhD thesis in KAU** for the year 2021-22
- The Thesis of MSc student under guidance Ms. Koya Madhuri Mani entitled 'Mitigating water stress in summer rice using beneficial root endophytic fungus Piriformospora indica" has been adjudged as **ARRW outstanding M.Sc. thesis Award** for the year 2023.

- My PhD student Mr.Arindam Deb got selected for **Dual degree PhD** programme with fellowship of 31000 AUD per year at Hawkesbury Institute for Environment, Western Sydney, Australia in 2023
- The Thesis of MSc student under guidance Mr. Chinmaya Sahoo received the Best MSc. Thesis award for the thesis entitled 'Performance evaluation of high yielding soybean varieties for summer rice fallows' in the International Agriculture Conference on 'Natural farming innovations: Enhancing soil health and seed quality with AI and drones for a greener agricultural future' held from November 3-5, 2024.
- My PhD students Mr. Arindam Deb received the best paper award; Ms. Mena Sai Rajeswari Kalyani and Ms. Sethu Lakshmi V.S. received the Second and third Best poster awards in the International Conference Biozion 2023
- My PhD student Ms. Sethulakshmi V.S. received the best poster award in the 'National sminar on soil and water symbiosis for sustainablle agriculture' held during December 5-6 at CoA, Vellayani
- My PhD Student Mr.Arindam Deb received the Best Oral presentation Award in the "Biozion-International Biotechnology Conclave" for the paper titled "Effect of elevated CO2 on competitive ability of Rice weeds" by Arindam Deb and Ameena M organised during 7-11 th August, 2023, at College of Agriculture, Vellayani, Thiruvananthapuram, Kerala.
- My PhD Student . Ms. Sethulakshmi V.S received second Best Poster award in the "National seminar on soil and water symbiosis for Sustainable Agriculture' for the paper entitled "Impact of soil health on invasive trait of the weed Leptochloa chinensis " by Sethulakshmi V.S., Ameena M and Nimmy Jose organised during December 5-6 , 2023 at College of Agriculture, Vellayani, Thiruvananthapuram, Kerala.

- **Research Projects**

Ongoing

1. Ecological restoration and agrobiodiversity conservation of Vellayani lake ecosystem' funded by the Kerala State Biodiversity Board as PI (125 lakhs)

Completed

2. Formation of Paddy Task Force for combating labour crisis in rice production Funded by Kerala State Planning Board, Government of Kerala, India
3. Adoption of effective agronomic package with respect to the yield constraints in different rice tracts of Palakkad district Funded by Department of Agriculture, Government of Kerala
4. Evaluation of upland rice varieties suitable for coconut garden in Palakkad district, Funded by Department of Agriculture, Government of Kerala, India
5. Farmer participatory evaluation of different rice establishment methods in Palakkad district' Funded by Department of Agriculture, Government of Kerala.
6. Field demonstration in paddy with FACTMIX funded by FACT
7. Evaluation of upland rice varieties suitable for coconut garden, Funded under Department of Agriculture, Government of Kerala, India
8. Management of problematic algae Chara sp in paddy fields funded by ATMA
9. Farmer participatory formulation of effective crop management practices for upland rice in Palakad district' funded by Department of Agriculture, Government of Kerala
10. Alleviating yield constraints in banana var Nendran' funded by State Horticulture Mission
11. Formulation of crop specific ready to use nutrient-based substrates and production package for green roofs in urban agriculture funded by KAU Plan
12. Technological interventions for productivity enhancement in wetland rice funded by KAU Plan
13. Training and Demonstration of Forage technologies funded by Directorate of Extension
14. Shade tolerant millets for hometeads funded by KAU Plan
15. Development of A mobile app Rice weed expert for instant weed management solutions by Directorate of Extension

16. Consultancy services for technical assistance in weed management to Southern Railways
17. Shade tolerant finger millet varieties for homesteads

Publications

Journal Articles
(Scopus indexed)

1. Ameena,M. and George,S. (2002). Allelopathic influence of purple nutsedge on germination and growth of vegetables. Allelopathy Journal, 10(2):147-152.
2. Ameena,M. and George,S. (2004). Control of purple nutsedge (*Cyperus rotundus* L.)using glyphosate and 2,4-D sodium salt. Journal of Tropical Agriculture, June-December ,Vol 42:Issue 1-2
3. S. R. Arya and Ameena M. Efficacy of new generation herbicides for weed management in semidry rice. (2016) .Journal of Tropical Agriculture. 54(1): 55-59
4. Anjana, S., Ameena, M., A. P. Pooja and Umkhulzum,F.(2020). Growth media standardization and organic nutrient scheduling for container grown yardlong bean (*Vigna unguiculata* sub sp. *sesquipedalis* (L.) Verdcourt). Journal of Tropical Agriculture. 58 (2): 256-262.
5. Umkhulzum, F. Ameena, M., and Pillai.S,P. (2019). Biology of rockbulrush (*Schoenoplectus juncoides*) in the wet land rice fields of south Kerala. Journal of Tropical Agriculture. 2019. Vol.57(2): 167-171.
6. Pooja, A.P., Ameena, M., Joseph, J. and Arunjith, P. (2023). Identification of Low Light Tolerant Blackgram Varieties with Respect to Morpho-physiology and Yield. Legume Research.46(6): 671-6778. DOI: 10.18805/LR-4683
7. A.P. Pooja,and M. Ameena. (2021). Screening Blackgram (*Vigna mungo* (L.) Hepper) Varieties for Shade Tolerance in Coconut Gardens of Southern Laterites of Kerala. Indian Journal of Ecology 48(4): 1090-1093
8. Anjaly, K., M. Ameena, Jose,N., A. P.Pooja, Umkhulzum, F. and Anjana.S. (2021). Assessing the competing ability of weedy rice (*oryza sativa* f. *spontanea*) with cultivated rice under elevated co2 conditions. Journal of Experimental Biology and Agricultural Sciences, October - 2021; Volume – 9 (Spl-3-NRMCSSA_2021) page S368 – S371
9. Mani,K.M., Ameena M., Joy Michel Johnson, Shalini Pillai,P., Jacob John and Beena R. (2023). Root endophyte Piriformospora indica significantly affects mechanisms involved in mitigating drought stress in rice (*Oryza sativa*). Indian Journal of Agronomy. 68(3): 324-327
10. Mani, K.M., Ameena, M., Johnson, J. M., Anith, K. N., Pillai, P. S., John, J., and Beena, R. (2023). Endophytic fungus Piriformospora indica mitigates moisture stress in rice by modifying root growth. Rhizosphere 28-100799 (NAAS: 9.44)
11. Kalyani, M.S.R., Ameena M., Pillai, S.P. and Raj,S.K. 2024. Standardisation of land preparation method to exhaust tuber reserve and regeneration of purple nutsedge. Indian Journal of Ecology 51(3): 559-563
12. Mani, K. M., Ameena, M., Anith, K.N, Gopinath, P.P, Adarsh, S., Shanavas, S. 2024. Altered physiological response in drought stressed rice plants upon root colonization with the beneficial endophytic fungus *Piriformospora indica* under field conditions. Plant Science Today. 2024; 11(3): 576-582. https://doi.org/10.14719/pst.4140 (NAAS 7)
13. Sekhar,L., Ameena, M., Jose, N. and Pillai, P.S. 2024. Growth, nutrient uptake and yield of direct seeded rice as influenced by weed management practices. Indian Journal of Agronomy 69 (3): 233-240 DOI: 10.59797/ija.v69i3.5515 (NAAS 5.3)
14. Sahoo C, Ameena M, Shalini PP, Susha VS, Ayisha R, Ankit, Shilpa, Sharma S, Verma A.2024. Impact of land configuration methods on growth parameters of soybean in summer rice fallows. Plant Science Today (Early Access). https:/doi.org/10.14719/pst.4270.
15. Unnikrishna, D., Raj, Jacob, D., Pillai, P.S., Ameena M. And Chauhan, B.S. 2024. Phenological Patterns and the Impact of Seed Burial Depth and Scarification on the Emergence and Growth of

Redweed (Melochia corchorifolia) January 2025Weed TechnologyDOI: 10.1017/wet.2024.108 LicenseCC BY-NC-ND 4.0

16. Harikrishnasagar V., Susha V. S., Ameena M, Shalini Pillai P.,Manju R. V. and Anjali S.2024. Co-composting of invasive weed water hyacinth (*Eichhornia crassipes* (Mart.) Solms) with organic manures. Journal of Tropical Agriculture 62(2): 225- 231

Articles not indexecd in Scopus

1. Ameena,M., Kumari, V.L.G. and George,S. (2006). Integrated management of purple nutsedge in okra. Indian Journal of Weed Science, Jan-June, Vol 38:No 1&2
2. Ameena,M., Kumari, V.L.G. and George,S. (2013). Control of purple nutsedge in okra through integrated management . Indian Journal of Weed Science 45(1):51-54, 2013.
3. Ameena,M., Kumari, V.L.G. and George,S. (2014). Allelopathic influence of purple nutsedge root exudates on germination and growth of important field crops' International Journal of Agricultural Sciences. vol 10 Issue 1 January . pg 186-189.
4. Ameena,M., Kumari, V.L.G. and George,S. (2014). Allelopathic influence of purple nursedge (*Cyperus rotundus* L.) root exudates on germination and growth of important field crops. Annals of Agricultural Research. December .vol. 35(4).362-363.
5. Ameena, M. (2015). Stale seedbed techniques for management of weedy rice (*Oryza sativa* f.*spontanea* L.) in direct seeded rice. Annals of Agricultural Research. Vol 36(4): 410-414
6. Ameena,M., Kumari, V.L.G. and George,S. (2015). Allelopathic effects of root exudates of purplenutsedge (*Cyperus rotundus* L.) on growth of field crops. Journal of crop and weed. Vol 11:142-145
7. Arya S.R and Ameena, M. (2015).Weedy Rice- an emerging threat to paddy production. International Journal of applied and pure sciences and Agriculture. Vol 1: 320-322
8. Ameena,M., and Kumari, V.L.G. (2016). Application of nutsedge extracts for weed suppression and identification of allelochemicals. Journal of crop and weed 12 (2): 102-105
9. Arya S.R and Ameena, M. (2016). Herbicide effects on soil enzyme dynamics in direct seeded rice. Indian Journal of weed science. 48(3): 316-318
10. Ameena, M., Geethakumari, V.L. and George, S., 2016. Alleopathic influence of purple nutsedge (*Cyperus rotundus* L) root exudates on germination and growth of important field crops. Annals of Agricultural Research..
11. Arya S.R and Ameena, M. (2017). Efficacy of new generation herbicides for weed management in dry direct seeded system of rice. Annals of Agricultural Research.38(2): 149-154
12. Anjali, K., Ameena, M. and Jose,N. (2018). Morphological characterisation of weedy rice morphotypes of Kerala. Indian Journal of Weed Science. Vol. 50(1): 27-32.
13. Anjali, K., Ameena, M. and Jose,N. (2018). Management of weedy rice (*Oryza sativa f spontanea*) by enhancing rice competitiveness. Journal of crop and weed. Vol. 14(3): 130-135.
14. Umkhulzum, F. Ameena, M., and Pillai.S, P. 2018. Comparative efficacy of herbicides against rock bulrush *Schoenoplectus juncoides* (Roxb.)Palla in wets seeded rice. Indian Journal of Weed Science. 50(4): 395-398
15. Umkhulzum, F. and Ameena, M. (2019). Integrated management of rock bulrush (*Schoenoplectus juncoides*) in wet seeded rice. Journal of crop and weed. Vol. 15(3): 139-144.
16. Sekhar, L., Ameena, M.and Nimmy Jose. (2020). Herbicides and herbicide combinations for management of Leptochloa chinensis in wet-seeded rice.. Indian Journal of Weed Science. 52(3): 211–216.
17. Sekhar, L., Ameena, M.and Nimmy Jose. (2020). Herbicide combinations for enhancing the weed control efficiency in wet direct-seeded rice. Journal of crop and weed. Vol. 16(3): 221-227

18. Majeed,A., Ameena, M. and Issac,S,R. (2020). Standardisation of growth media and organic nutrient schedule for container cultivation of spianch beet (*Beta vulgaris* var *bengalensis*). International Journal of Chemical Studies.8(5): 1567-1572
19. Sruthy A. B, Isaac,S.R. and Ameena, M**.** (2020). Influence of agronomic management practices on the leaf yield and nutrient uptake in palak (*Beta vulgaris* (L) var. *bengalensis*). Journal of Pharmacognosy and Phytochemistry. 9(5): 1068-1072
20. Pooja A. P and Ameena, M. (2020). Quality planting material for productivity enhancement in tropical tuber crops. International Journal of Chemical Studies. 8(4): 1931-1936.
21. Toufeeq, S., Dhalin, D., Subhagan, S.R., Khatawkar, D.S., Aparna, B. and Ameena, M. (2020). Soil CO2 Emission under Different Tillage Practices in Major Soils of Kerala. Current Journal of Applied Science and Technology. 39(11): 1-12
22. Pooja A. P and Ameena, M. (2021). Nutrient and PGR Based Foliar Feeding for Yield Maximization in Pulses: A Review. Agricultural Reviews, Volume 42 Issue 1: 32-41
23. Anjana, S., Ameena, M., A. P. Pooja. (2021). Standardization of trailing method and irrigation frequency for yardlong bean (Vigna unguiculata var. sesquipedalis (L.) raised in containers for urban farming. Journal of Crop and Weed, 17(1): 242-245
24. Reddy, M.S.S.K. and Ameena,M. (2021). Influence of weed management practices on weed flora, crop yield and nutrient uptake in direct seeded rainfed lowland rice. Journal of Crop and Weed, 17(2): 01-08.
25. Reddy, M.S.S.K. and Ameena,M. (2021). Efficacy of pre- and post-emergence ready-mix herbicides in rainfed lowland wet-seeded rice. Indian Journal of Weed Science 53(1): 88–91
26. Pooja A. P, Ameena, M. And Stephen, R. (2021). Physiological response, yield and dry matter partitioning in blackgram varieties under shading stress in coconut garden. 22. International Journal of Farm Sciences. 11(4): 70-74
27. Unnikrishnan, D.,Sheeja K. Raj, P. Shalini Pillai, M. Ameena, D Jacob, Atul Jayapal. (2022). Stimulatory effect of sesame on the germination and seedling growth of *Melochia corchorifolia* L. Indian Journal of Weed Science. 54 (3): 341-344
28. Koya Madhuri Mani and Ameena M. (2022). Effect of *Piriformospora indica* on vegetative growth of summer rice. The Pharma Innovation Journal. 11(11): 865-868
29. Krishnapriya , M. K., Naveen Leno , J. M. Johnson ,B. Rani , B. Joseph and M. Ameena (2023). The Beneficial Effect of Thermochemical Organic Fertilizer and Root Endophytic Fungi on the Growth of Tomato (*Solanum lycopersicum* L.). International Journal of Plant & Soil Science. 35 (18): 824-832
30. Pooja A. P, Ameena, M. and Arunjith, P. (2023). Physiological Response of Blackgram Varieties to Foliar Nutrition and Growth Regulators under Partial Shade in Coconut Orchard in Kerala. Agricultural Science Digest. 10.18805/ag.D-5807
31. K.G. Ashish, J.S. Bindhu, P. Shalini Pillai, M. Ameena, B. Aparna. (2023). Productivity and Profitability of Tomato under Organic Nutrition in Wicking Bed System. Agricultural Science Digest. doi10.18805/ag.D-5839
32. Kalyani, M. S. R., Ameena, M., Srinivas, Y., Shanavas , S., Susha, V. S., and Sethulakshmi, V. S. (2024). Bio-Efficacy of New Herbicide Molecules for Weed Management in Grain Legumes. Journal of Advances in Biology & Biotechnology, 27(1), 191–204. https://doi.org/10.9734/jabb/2024/v27i1691
33. Adarsh, S., Ameena, M., Mani, K.M., Kalyani, M. S. R., Sethulakshmi, V. S. and Shanavas , S. (2024). Harnessing the Beneficial Fungus *Piriformospora indica* for Climate Resilient Crop Production: A Review. Journal of Experimental Agriculture International. 46(5): 615-625. DOI: 10.9734/jeai/2024/v46i52417
34. Umkulzhum, F., Ameena, M., Susha, V. S., Renjan, B., Sreelekshmi, K., Sethulekshmi, V. S., and Shanavas, S.2024. Weeds and Their Response to Changing Climate: A Review. *International Journal of Environment and climate change*. 14(4): 768-779 DOI: 10.9734/IJECC/2024/v14i44157

35. Ameena, M., Deb, A., Sethulakshmi, V.S., Sekhar, L., Susha, V.S., Kalyani, M.S.R. and Umkhulzum, F. (2024). Weed Ecology: Insights for Successful Management Strategies: A Review. Agricultural Reviews. doi: 10.18805/ag.R-2661.
36. Sekhar, M., Ameena, M., Jose, N., Beena, R., Susha, V.S. and Umkhulzum, F. (2024). Differential response of grass weeds to ALS inhibiting broad-spectrum herbicide bispyribac-sodium. Indian Journal of weed Science. 56(2): 136–141
37. Adarsh, S., Shilpa S., Ameena M., Susha V.S., Sreelekshmi K., Renjan B., Fathima Umkhulzum, Sethulakshmi V.S., and Shifina Shanavas. (2024). A Review on Nano Herbicides: The Future of Weed Management. Journal of Advances in Biology & Biotechnology. 27 (7):1244-53. https://doi.org/10.9734/jabb/2024/v27i71085.
38. Sethulakshmi, V.S., Ameena, M., Deb,A., Jose,N., Umkhulzum, F S., Renjan, B., Shilpa, S. and Shanavas, S. 2024. Germination ecology and ecology-based management of *Fimbristylis miliacea* (L.) in lowland rice: A review. International Journal of Environment and Climate Change. 14 (7):577-89. https://doi.org/10.9734/ijecc/2024/v14i74295.
39. Kalyani, M. S. R., Ameena, M., Pillai, S. P., Raj, S.K. 2024. Standardization of land preparation method to exhaust tuber reserve and regeneration of purple nutsedge (*Cyperus rotundus* (L.). Indian Journal of Ecology. 51 (3): 559-563
40. Sekhar, L., Ameena, M., Jose, N. and Pillai, S.P. 2024. Post-emergence herbicide combinations for wet-seeded rice dominated with grass weed flora. Indian Journal of Weed Science 56(3): 251–257 http://dx.doi.org/10.5958/0974-8164.2024.00041.8
41. Ameena, M., Deb, A., Umkhulzum, F., Kalyani, M.S.R., Sethulakshmi, V.S., Sreelakshmi, K., Renjan, B. and Shanavas, S. (2024). Ecology and Management of Sedges in Direct-seeded Rice: A Review. Agricultural Reviews. doi: 10.18805/ ag.R-2717.
42. Shilpa, S., Ameena, M., Susha, V.S., Renjan, B., Deb, A., Sethulakshmi,V.S. and Shanavas, S. (2024). Agronomic Biofortification in Millets-key to Nutritional Security: A Review. Agricultural Reviews. 1-9. doi: 10.18805/ag.R-2716.
43. Nihal P.M., Ameena M., Susha V.S.,Mena Sai Rajeswari Kalyani , Koya Madhuri Mani , Choudhari Balaji Keshavrao , Aswathi S. and Renjan B.2025. Herbicide Based Weed Management in Blackgram (Vigna mungo L ..): A Review. Journal of Advances in Biology & Biotechnology. Volume 28, Issue 3, Page 75-87, 2025; Article no.JABB.132186 ISSN: 2394-1081
44. A.P. Pooja, M. Ameena, P. Arunjith. 2025. Influence of Foliar Spray of Nutrients and PGR on Yield and Nutrient Uptake of Blackgram under Partial Shade in Coconut Garden. Agricultural Science Digest, 1-8. doi: 10.18805/ag.D-6115.

Popular Articles

1. Ameena M. *Vismruthiyilaya venalvilakal.* Kerala karshakan 60th edition pg 254-256
2. Ameena M. *Valaprayogam 10 puthiya pravanathakal*. Kerala karshakan 60th edition. pg 232-233
3. Ameena M. *Mannarinju valaprayogam* Kerala Karshakan. January 2015. pg.45
4. Ameena M. *Kizhanguvilakal- Krishimurakal*. Krishiyanganam December 2015
5. Ameena M 'Namukkum valartham Palak cheera'. Kerala Karshakan. February 2020
6. Adarsh, S. and Ameena, M. 2023. Globalization and Agriculture. *Agri Gate* 3 (9): 277-285.
7. Arindam Deb and Ameena, M. 2023. Agarwood: Cultivation practices, Artificial induction methods and suitability in intercropping. *Agri Gate* 3 (9): 455-462.
8. Ameena M., Sreelekshmi K. and Sabna Khan. 2023. *Poshanam nalkaam ilakaliloode*. Kalpadhenu. 43(4) October December
9. Ameena M., Shifina Shanavas, Sabna Khan and Sudha B.. 2025. Jaiva vaividhyam adhinivesa bheeshaniyil .Kalpadhenu- April June

Leaflets- 20
Booklets- 10

Books/Chapters in Books

A chapter on 'Weed Management' in the Book ‘Tactics of being an agripreuner- Learning the rope’. 2019

A chapter on ‘Phytomining’ in the Book ‘. 2021. Managing hill resources and diversities for sustainable farming’

Ameena, M., Raj, S. K., and Pillai, P. S. 2022. Sasthreeya kalaniyanthranam nelkrishiyil (in Malayalam). Kerala Agricultural University, Thrissur. 88p.

Ameena, M., Susha, V. S., Bindhu, J. S., and Pillai, P. S. 2022. Orukkam subhiksha sundragrihangal nagarangalil’ (in Malayalam). Kerala Agricultural University, Thrissur

Ameena M. 2023. Nutrient dynamics in crops / cropping systems. In. Raj, S.K and Pillai, P. S. (eds), Prospective Agronomic Interventions for Sustainability in Agriculture, Department of Agronomy, College of Agriculture, Vellayani, Thiruvananthapuram, pp.1 – 15.

Ameena M. 2023. Millets: The crops of the future. Department of Agronomy, College of Agriculture, Vellayani, Thiruvananthapuram, pp.1 – 15.

Ameena M. 2024. Weed flora in Rice fields. Book with ISBN no. ISBN: 978-93-6426-910-0 published by Crown Publishing Head Office: 3rd Floor, B. incube, Bilaspur, Chhattisgarh 495006

Student Guidance (Major Advisor/ Advisory Committee member)

M. Sc.

Within KAU: Completed: 16
Within KAU: ongoing : 11
Ph. D

Within KAU: completed: 3
Within KAU: ongoing: 12

Other Institutional Responsibilities

1. Project Coordinator of the group Crop Production and Management (Field and Horticultural crops) of KAU
2. Weed Expert in the committee constituted for establishment of Regional Plant Quaranting centre at CoA, Vellayani
3. Acts as the Coordinator of Scholarship/ Fellowship Cell at CoA, Vellayani
4. Officer in charge of Crop Museum and Millet Museum
5. Member of the Internal Complaince Committe of CoA, Vellayani
6. Established a new ‘Millet museum’ during the 'International Year of Millets'
7. Served as Returning Officer for Students Union election in 2024 and 2025
8. Member of the District Level Techncial Committee for vetting projects under SHM
9. Member of the District Level Committee for reforming Farms under Department of Agriculture
10. Member of the expert team for training youth as urban farming facilitators
11. Currently acting as student Advisor/faculty/mentor to 10 Undergraduate students.
12. Serves as Reviewer of ‘Weed Science’ by American Society of Weed Science, Journal of crop health, Journal of Tropical Agriculture etc

Membership in Professional Associations

1. Life Member of Indian Society of Agronomy
2. Life Member of Indian Society of Agricultural Science
3. Life Member of Indian Society of Weed Science
4. Life Member of the Journal of Crop and Weed
5. One of the Editors of Indian Journal of Agronomy
6. South zone Councillor of Annals of Agricultural Research