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| <p>Dr. Poonam Kashyap Senior Scientist</p> <p>Email : poonam.kashyap@icar.gov.in pakhihorti@gmail.com</p> <p>Phone No: +91-121-2888711 Mobile No. :+7830788281</p> |  |
| <p>Qualification</p> | <p>Ph. D (Fruit Science)</p> |
| <p>Specialization</p> | <p>Fruit Science</p> |
| <p>Area of interest</p> | <p>Horticulture based integrated farming systems, Modern techniques of raising horticultural crops, Multi-layer farming for higher productivity, Exotic vegetable production for higher benefits, Protected Cultivation of horticultural crops, Horticulture for Entrepreneurship development</p> |
| <p>Experience profile</p> | <ul style="list-style-type: none"> • Joined ARS on 07th January, 2008. • Scientist at ICAR-IARI, Regional Centre Shima (Cereals and Horticultural Crops) from 9th May, 2008 to 13th May, 2011 • Scientist at ICAR-IIFSR, Modipuram from 15th May, 2011 to 06th January, 2012 • Scientist (Senior Scale) at ICAR-IIFSR, Modipuram from 07th January 2012 to 06th January, 2017 • Senior Scientist at ICAR-IIFSR, Modipuram from 07th January, 2017 to till date |
| <p>Total publications</p> | <p>Research Papers: 29; Books: 2; Popular articles: 32</p> |
| <p>Selected publications (maximum best 20)</p> | <ol style="list-style-type: none"> 1) Zakir Husain, Poonam Kashyap, A. K. Prusty, D. Dutta, S.S. Sharma, A. S. Panwar and Sunil Kumar (2019). Effect of phosphorous fertilization on growth, yield and quality of pea (<i>Pisum sativum</i>), <i>Indian J. of Agricultural Sciences</i>, 89 (8): 1303-07. (NAAS: 6.25) 2) Vijay Singh Meena, Kirti Jalgaonkar , Manoj Kumar Mahawar, Bharat Bhushan , Bhushan Bibwe and Poonam Kashyap. 2019. Optimization of process variables for preparation of pomegranate juice-fortified aonla candy. <i>Current science</i>, VOL. 117. 1-5 (NAAS: 6.76) 3) Sunil Kumar, R.K Naresh, A.S. Panwar, Poonam Kashyap, PC Ghasal, AL Meena, J. Chaudhary, L.K. Meena, P. Singh and C. Kumar G. 2019. "Prediction of Long term conservation tillage effect on soil organic carbon with in aggregates and soil microbial community composition under rice-wheat rotation in subtropical India: A review" <i>International Journal of Chemical studies</i> 7(2):1635-1647 (NAAS: 5.31) |

- 4) Nisha Verma, M P Singh, Amit Nath, Poonam Kashyap, S P Singh and A S Panwar. 2020. Feminine farm operational methods, involvement, hardships and sensitivity in farming systems analysis *Indian Journal of Agricultural Sciences*. **90 (1)**: 96-101. (NAAS: 6.25)
- 5) Poonam Kashyap, M P Singh, V K Singh, A K Prusty, R P Mishra, V P Choudhary and B Gangwar. 2017. Resource Integration for livelihood and nutritional security of farmers of Tehri Himalayas. *Indian Journal of Agricultural Sciences*. 87 (9): 88-94. (NAAS: 6.25)
- 6) S.S. Sharma, Poonam Kashyap, P. S. Shekhwat, A K Prusty and A S Panwar. 2017. Growth and yield performance of cauliflower as influenced by NPK fertilization combinations under western Plain zones of Uttar Pradesh. *Indian J. Hort.* 74 (3): 399-404. (NAAS: 6.11)
- 7) Nisha Verma, Poonam Kashyap, M. P. S Arya, M. P Singh, Amit Nath and S. P. Singh. 2017. Economic quantification of women's work in farming system: A case study of western plain zone of Uttar Pradesh. *Indian Journal of Agricultural Sciences* 87 (3): 355–62. (NAAS: 6.25)
- 8) V. S. Meena, Poonam Kashyap, D. D. Nangare and J. Singh. 2016. Effect of coloured shade nets on yield and quality of pomegranate (*Punica granatum*) cv. Mridula in semi-arid region of Punjab. *Indian Journal of Agricultural Sciences*. 86 (4): 500-505 (NAAS: 6.25)
- 9) Poonam Kashyap, Avinash Kansal, Ashisa Kumar Prusty and J. P. Singh. 2015. Evaluation of Horticulture based IFS models for providing nutritional security to small and marginal farmers of western plain zone of Uttar Pradesh, India. *International Journal of Economic Plants*. 2(1): 15-17. (NAAS: 4.08)
- 10) K. K. Pramanick, D. K. Kishore, Poonam Kashyap, A.K. Shukla, Santost watpade, J. Kumar, K. K. Jindal and Girish Sharma. 2015. Role of changing climate on chilling unit accumulation and yield of apple (*Malus x domestica* Borkh) cultivation at Shimla, Himachal Pradesh, India. *Indian Journal of Tropical Agriculture*. 33 (2) 1039-1044 (NAAS: 3.59)
- 11) Poonam Kashyap, Avinash Kansal, Ashisa Kumar Prusty and J.P. Singh. 2015. Evaluation of Horticulture based IFS models for providing nutritional security to small and marginal farmers of western plain zone of Uttar Pradesh, India. *International Journal of Economic Plants*. 2(1): 15-

17. (NAAS: 4.08)
- 12) Verma Nisha, Kashyap Poonam, Arya MPS, Singh MP, Nath A. 2015. Economic Contribution of women in Pre-Dominant Farming Systems of Western Plain Zone of Uttar Pradesh. *Indian Journal of Agricultural Economics* : 70 : (3) 431 (NAAS:5.15)
- 13) K. K. Pramanick, Poonam Kashyap, D. K. Kishore and Y. P. Sharma A 2014. Effect of summer pruning and CPPU on yield and quality of Kiwi fruit (*Actinida deliciosa* Chev.). *Journal of Environmental Biology*. Vol 36 (2) (2015) :351-356 (NAAS rating- 6.68).
- 14) Udit Mohan, R. Singh, P. Singh, Suhas, R. Bhutiani, Poonam Kashyap, Varun Tyagi, Sweety 2014. Determination of Zn, Cd, Pb and Cu in ground water of Dist. Hapur, U.P by anodic stripping voltametric technique. *Environmental Conservation Journal*, 14(3): 137-141. NAAS:8.76
- 15) K.K. Pramanick, K.K. Jindal, Poonam Kashyap, A.K. Shukla, Y.P. Sharma and Santost Watpade. 2014. Impact of changing climate on apple productivity. *Journal of Tree Sciences*. 33(2): 68-77 (NAAS:3.51)
- 16) V. S. Meena, E. Nambi, Poonam Kashyap and K. K. Meena. 2013. Napthalene Acetic Acid and ferrous sulphate induced changes in physico-chemical composition and shelf life of Ber. *Indian J. of Horticulture*, 70(1):37- 42. (NAAS: 6.11)
- 17) Y. P. Sharma, K. K. Pramanick, S. K. Sharma and Poonam Kashyap. 2013. Disease reaction of apple germplasm to white root rot (*Dematophora necatrix*). *Indian J. of Horticulture*, 70(1):130-134. (NAAS: 6.11)
- 18) Poonam Kashyap, K. K. Pramanik, K. K. Meena and Vijay Meena. 2012. Effect of N and K application on yield and quality of pomegranate Cv. Ganesh under rainfed condition. *Indian J. of Horticulture*, 69(3):322-327. (NAAS: 6.11)
- 19) Poonam Kashyap, A.K. Singh, Sanjay K. Singh, Rupesh Deshmukh (2010). Genetic Diversity Analysis of Indigenous and Exotic Apple Genotypes Using Inter Simple Sequence Repeat Markers. *Indian J. of Horticulture* 67(3a): 15-20. (NAAS: 6.11)
- 20) K.K. Meena, Room singh, S Pareek, S.K. Singh and Poonam Kashyap. 2009. Studies on Correlation coefficient and path Analysis in pomegranate for morphological and yield characters. *Indian J. of Horticulture*, 66 (4): 516-519. (NAAS: 6.11)

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| <p>Awards (in bullet form)</p> | <ul style="list-style-type: none"> • Best Poster presentation award in Second International Conference on Bio-resource and Stress Management Hyderabad, India January 07-10, 2015 organised by RKM foundation, PJTSAU, ANGRAU at PJTSAU, Hyderabad. • Awarded the Best Young Scientist award 2015 at IJTA 2nd International conference on Agriculture, Horticulture and Plant Sciences held at Shimla (H.P.) from 26-27 December, 2015 organized by Serial Publications Ltd, New Delhi. • Received Best oral Presentation award for presenting the work entitled, 'Agricultural diversification through horticultural based farming systems.' in Natural Resources Management for Sustainable Agriculture (NRMSA) at Janta Vedic College, Baraut, Baghpat, U.P. on Oct 25, 2016. • Received Young Scientist Award- 2016 from Agricultural technology Development Society, Ghaziabad, Uttar Pradesh on the occasion of National Conference on Natural Resources Management for Sustainable Agriculture organised by October 25, 2016. • Received Best Oral Presentation Award in the theme Entitled NRM- Resource Integration for livelihood and nutritional security of farmers of Tehri Himalayas of India during third International conference on Bioresource and Stress Management held during 8-11 Nov, 2017 at Jaipur, Rajasthan. • Received Best Oral Presentation for a presentation on Agri-Entrepreneurship development through Horticulture in the international Conference on Advances in agricultural and Biodiversity conservation for Sustainable Development (ABCD-2017) During 27-28 October, 2017 at Brahaspati Bhawan, C.C. S. University, Meerut, U.P. • Received Young Scientist Award- 2017 from Agricultural technology Development Society, Ghaziabad, Uttar Pradesh on the occasion of International Conference on Advances in agricultural biodiversity conservation for sustainable development organised at CCS University, Meerut during 27-28 October, 2017. • Best Paper Presentation Award in the IX National Extension Education Congress-2018. Awarded by Society of Extension Education during 2018 • Awarded the Young Scientist Award 2019 in the field of Fisheries on the occasion of International Conference on 3rd Global meet on science and technology for ensuring food and nutritional security (GMST 2019) held during 1-3 December 2019 at National Research Centre on seed Spices, Ajmer, Rajasthan. |
| <p>Significant achievements including development of methodology, technology etc (maximum 10 in bullet form)</p> | <ul style="list-style-type: none"> • Horticulture based farming systems for small and marginal farmers • Multi- tier systems of horticultural crops for profitability and scalability |

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| | <ul style="list-style-type: none">• Integration of horticulture module in farming systems in low lying areas/waterlogged areas• Exotic vegetable cultivation for higher returns.• Nutritional kitchen gardeining for food and nutritional security• Development location specific integrated farming systems.• Promotion of bio-fencing against wild animal menace• Soil less raising of nursery of horticultural crops• Protected cultivation of horticultural crops• Modern techniques of raising fruit orchards |
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