

Professional Profile



Dr. K. Rama Krishna, (Ph.D: ICAR-IARI)
Assistant Professor, Specialization: Postharvest Technology
Department of Horticulture,
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GoogleScholar: <https://scholar.google.co.in/citations?user=e7O8zzAAAAAJ&hl=en>

CAREER OBJECTIVE

- To impart education and research of the highest standards to the students. Always available to guide students in their overall development.

EDUCATIONAL QUALIFICATION



<u>Qualification</u>	<u>Year</u>	<u>University /School Name</u>
Ph.D (Postharvest Technology)	2018	ICAR-Indian Agriculture Research Institute, New Delhi-12.
M.Sc (Hort.), Postharvest Technology	2013	UHS, Bagalkot, College of Horticulture, Bangalore
B.Sc (Hons) Horticulture	2011	Dr. YSRHU (A.P.H.U), College of Horticulture, Hyderabad
ICAR-NET	2014	Fruit Science

ACHIEVEMENTS

Fellowship:

- ❖ National fellowship for students with disabilities. UGC-2014.
- ❖ ICAR-IARI Merit fellowship for Ph. D.

Awards:

- ❖ Best Poster Presentation certificate, 9th HSI, Horticulture for Health, Livelihoods and Economy-2021, New Delhi.
- ❖ Best Poster Presentation certificate, 6th HSI, Doubling Farmers Income through Horticulture-2016, New Delhi. (Ph.D work).
- ❖ Best Oral Presentation certificate, National Conference on Food processing for Value Addition: Trends and Innovations. MDU, Rohtak, U.P. (Ph.D work)
- ❖ Best Oral Presentation Certificate, Agri. Resource Management for Sustainability and Eco-Restoration-2016, Bikaner. (M.Sc work).
- ❖ Best Poster Presentation Certificate, 1st SYMPHORT-2014, Lucknow. (M.Sc work)

Sports and cultural events:

- ❖ 1st-Photography, *Pari Kalpana*-2016, Cultural and Literary events, IARI, New Delhi.
- ❖ 3rd in One Act Play-inter collegiate youth festival-2011, UHS, Bagalkot, Karnataka.
- ❖ 3rd in Mime-inter collegiate youth festival-2011, UHS, Bagalkot, Karnataka.
- ❖ Participated in Inter Collegiate Games, Sports, Cultural & Literary Meet-2009, APHU.

ACADEMIC POSITIONS

- I was a member of “**Board of Studies**” committee in the Div. of Food Science and Postharvest Technology, ICAR-IARI, New Delhi-12, for the year 2016-17.
- I am a member of “Board of Studies” committee in the Department of Horticulture, School of Life Sciences, CUTN, Thiruvavur from 2019-till date.

Resource Person and Seminar/Trainings Conducted

- Dr. K. Rama Krishna has conducted a Webinar on ‘Student Sensitization Program on Higher Education Abroad’ during 01/11/2020 at Department of Horticulture, CUTN.
- Dr. K. Rama Krishna has served as ‘Resource person’ in a training program on ‘Improved production technology and value-addition in cashew’ at Pudukottai dt., TN organised by

Department of Horticulture, CUTN, In association with GOI-DCCD, Kochi, Kerala, during 10-11/02/2023.

Teaching and Research Experience

- Has 3.5 years of teaching and 9 years of research experience.
- Guided 9 M.Sc. Students in different areas of horticulture especially postharvest management-related studies.
- Guiding 2 Ph.D. scholars and 3 M.Sc students presently.

PUBLICATIONS AND ACADEMIC ACTIVITIES

S.no	Publications	NAAS Score and Indexed
Research articles		
1.	Priyadarsini, L., Subbiah, A., Srivignesh, S., Krishna, K. R. , Rajaram, K., Kathiresan, S., & Kumar, A. R. (2023). Comparative analysis of growth and yield parameters of grape var. 'Muscat Hamburg grafted on 'Dog Ridge' rootstock and self-rooted cuttings. <i>Plant Archives</i> , 23(1), 384-388.	4.79 (Peer reviewed)
2.	Divyabharathi, G., Krishna, K. R. , Chithra, M. 2023. Elite plant metabolites extend the shelf life and quality of banana at room temperature. <i>Journal of Postharvest Technology</i> , 11 (2): 45-55.	4.25 (Scopus)
3.	D. Bawya, S. Srivignesh, K. Rama Krishna , and A. Ramesh Kumar (2022). Effect of Foliar Spray of Seaweed Extract and Humic Acid on Growth and Yield of Cluster Beans [<i>Cyamopsis tetragonoloba</i> (L.) Taub.] var. Pusa Navbahar, <i>Legume Research</i> , 45(11).	6.67 (Scopus)
4.	Ragulraj, H., Srivignesh, S., Rama Krishna, K. , and Ramesh Kumar, A. (2022). Bio-stimulants Influence on Growth and Yield of Aggregatum Onion, <i>Ecology, Environment and Conservation</i> , 28 (4): 2062-2067.	5.41 (Scopus)
5.	Chithra, M., Venkatesan, S., & Krishna, R. K. (2022). Influence of plant-based edible coatings on shelf-life of banana cv. 'Ney Poovan'. <i>Progressive Horticulture</i> , 54(1), 50-56.	4.49 (UGC)
6.	Mani, A., Krishna, K. R. , & Mirza, A. (2021). Postharvest applications of cold plasma technology: A review. <i>Agricultural Reviews</i> , 2221, 1-14.	4.63 (UGC)
7.	Rama Krishna, K. , Sharma, R. R., & Srivastav, M. (2020). Physiological and biochemical attributes associated with jelly-seed disorder in mango (<i>Mangifera indica</i> L.). <i>Acta Physiologiae Plantarum</i> , 42, 1-12.	8.74 (Scopus)
8.	Ramakrishna, K. , Sharma, R.R., Kar, A. and Srivastav, M. 2019. Non-destructive detection of jelly seed disorder in 'Amrapali' and 'Pusa Surya'	6.37 (Scopus)

	varieties of mango (<i>Mangifera indica</i> L.). <i>Indian Journal of Agricultural Sciences</i> , 89(1): 94-8.	
9.	Rama Krishna, K. and Sudhakar Rao, D.V. 2017. Influence of chitosan coating and storage temperatures on postharvest quality of guava. <i>Indian Journal of Horticulture</i> , 74(3): 81-85.	6.10 (Scopus)
10	Rama Krishna, K. and Sudhakar Rao, D.V. 2017. Chitosan coating in combination with low temperature for extending storage life of guava (<i>Psidium guajava</i> L.). <i>Ecology Environment and Conservation</i> , 23(1): 1-6.	5.41 (Scopus)
11	Rama Krishna, K. and Sudhakar Rao, D.V. 2017. Postharvest quality attributes of guava as affected by chitosan coating at critical low temperature. <i>Research Journal of Agricultural Sciences</i> , 8(2): 426-430.	4.54 (Scopus)
12	Rama Krishna, K. and Sudhakar Rao, D.V. 2014. Effect of chitosan coating on the physiochemical characteristics of guava (<i>Psidium guajava</i> L.) fruits during storage at room temperature. <i>Indian Journal of Science and Technology</i> , 7(5): 554-558.	UGC/ WoS indexed
13	Rahul Kumar, Yadav, R.K., Rama Krishna, K. , Singh, M.K. and Meena, J.K. 2017. Analysis of nutritional quality among bhendi yellow vein mosaic virus resistance okra germplasm. <i>Annals of Agriculture Research</i> , 38(1): 113-118.	4.01 (UGC)
14	Dhami, K.S., Sagar, V.R., Sharma, R.R., Singh, S.K. and Rama Krishna, K. 2018. Effect of generally regarded as safe (GRAS) chemical treatments on the quality of litchi (<i>Litchi chinensis</i> Sonn.) during storage. <i>Indian Journal of Horticulture</i> , 75(3): 523-527.	6.10 (Scopus)
15	Rahul Kumar, Singh, S., Rama Krishna, K. , Archana, A. and Nitish, R.P. 2017. Organic farming of vegetables: prospects and scenario. <i>Global Journal of Bio-Science and Bio-Technology</i> , 6(2): 390-394.	4.13
16	Nayan Deepak, G., Chandu Singh, Jeevan, U., Priyanka, H.L. and Rama Krishna, K. 2019. Early identification of graft compatibility through histological studies in mango. <i>Indian Journal of Horticulture</i> , 76(1): 176-179.	6.10 (Scopus)
17	Manoj Kumar, N., Priyadarshani, P.M. and Rama Krishna, K. 2016. Factors Affecting the Storage Life of Vegetables: A review. <i>Advances in Life Sciences</i> , 5(4): 1161-67	3.15
18	Vijay Rakesh Reddy, S., Gajanan, G. and Rama Krishna, K. 2017. Ethylene management for reduction of postharvest losses in fruits. National Seminar on Zero Hunger Challenges for Hunger Free India, pp. 187-191.	-
Book Chapters		
1.	Archana Mahida V, Rama Krishna K , Pravin Manjare B, and Chithra M. 2023. Crop Modelling in Fruit Crops. In: <i>Modern Approaches in Horticulture</i> (1), 166-174, Elite Publishing House, New Delhi.	
2.	Krishna, K. R. , Ellampirai, M. P., & Archana, T. J. (2023). Package and Storage of Temperate Nuts. In <i>Temperate Nuts</i> (pp. 295-304). Singapore: Springer Nature Singapore.	

3.	K. Gnanasundari, K. Rama Krishna , S. Srivignesh, Manish Kumar, A. Harish And A. Ramesh Kumar. 2023. Processing and value addition in onion, In: PLANTA, Research Book Series, 6: 1097– 1103
4.	S. Priyadarsini, L., Ramesh Kumar, A., Rama Krishna, K. , Senthilkumar, S. and S. Manivannan, (2022). Irradiation practices over fresh and fresh cut fruits and vegetables, In: <i>Interdisciplinary approaches in agriculture and forestry</i> , Taran Publisher, Uttam Nagar West, New Delhi, pp: 23-28.
5.	Nishad, J., Jayarajan, S., & Krishna, K. R. (2022). Chemical Treatment of Foods: Science, Shelf Life, and Quality. In <i>Shelf Life and Food Safety</i> (pp. 197-226). Taylor & Francis, CRC Press.
6.	K. Rama Krishna and G.Gajanan (2021). Waste Utilization and Disposal, In: <i>Postharvest Technology of Horticultural Crops</i> , Jaya Publishing House, pp.225-249
7.	Krishna, K. R. , Smruthi, J., & Manivannan, S. (2021). Packaging and Storage of Stone Fruits. In <i>Production Technology of Stone Fruits</i> , Springer Singapore, pp.273-305.
8.	Rama Krishna, K and Sachin, T. 2018. Hurdle Technology. In: <i>Hi-Tech Horticulture, Vol. 6: Value addition and post-harvest Management</i> . New India Publishing Agency, New Delhi-34. pp. 63-72.
9.	Sachin Tyagi, K. Rama Krishna , Jyoti Kumari, Preeti Kumari and Ankit Singh. 2018. Roof Gardening. In: <i>Hi-Tech Horticulture, Vol. 2: Organic Farming and Sustainable Development Techniques</i> . New India Publishing Agency, New Delhi-34. pp. 157-166.
10	Rama Krishna, K. Gajanan, G. and Kumar, P. 2018. Food Security, Safety and Quality Laws in India. In: <i>Recent Trends & Advances in Food Science & Post Harvest Technology</i> . Satish Serial Publishing House, Delhi. pp. 289-301.

Magazines

1.	Manisha V J, Rama Krishna K , Divyabharathi M C and Iniya Bharathi R (2022). Advanced techniques in packaging of horticultural seeds, <i>Krishi Science</i> , 3(10): 41-45.
2.	M. C. Divyabharathi., K. Rama Krishna. , V. J. Manisha and R. Iniyabharathi (2022). Role of robotics in horticulture, <i>Krishi Udyan Darpan</i> , 2(2): 41-43.
3.	Neeraj Singh and K. Rama Krishna (2021). Polyamines-elite green compounds and their application in horticultural crops, <i>Krishi Science</i> , 2(12): 29-33.
4.	Manish Kumar, K. Rama Krishna , A. Ramesh Kumar and S. Srivignesh (2021). Teasel gourd (<i>Momordica dioica</i>)- a minor vegetable with high value, <i>Agri Journal World</i> , 1(4): 26-29.
5.	Priyadarsini, L., Rama Krishna, K. And Ramesh Kumar, A. (2021). Drones-New Friend of Farmer, <i>Everyman's Science</i> , 56 (2), 30-34.
6.	Rama Krishna, K. and Sharma, R.R. 2017. X-ray imaging for detection of jelly seed disorder in mango. <i>ICAR News letter</i> , 23(1): 4-6.
7.	Sharma, R.R., Sharma, S., Reddy, V.R., Rama Krishna, K. and Prasad, K. 2016. Enjoying value-added products of apple pomace. <i>Indian Horticulture</i> , 61(4): 17-19.
8.	Archana, T. J. and Rama Krishna, K. 2018. Electrolyzed water: A green concept for sanitation of fruits and vegetables. <i>Everyman's Science</i> , 53(3): 155-159.
9.	R.R. Sharma and K. Rama Krishna. Non-Destructive Evaluation of Jelly Seed Disorder using X-ray Imaging. <i>Biotech Articles</i> . 2017

10	K. Rama Krishna. Application of Biotechnology in Postharvest Quality of Horticultural Crops. Biomolecule Reports. 2017.	
11	K. Rama Krishna. Innovative Process to Extract Essential Oils using Microwave Heating. Biomolecule Reports. 2017.	
Seminars/Conferences/Trainings/FDP/Orientation/Refresher courses attended and paper presented		
S.no	Details of the event attended	Duration
Seminars/Webinars		
1	New Dimensional Approaches in Food Processing organised by UNIVERSITY OF HORTICULTURAL SCIENCES, BAGALKOT, College of Horticultural Engineering and Food Technology & Horticultural Research and Extension Centre, Devihosur, Karnataka, INDIA.	3 days (14-16/10/2020)
2	Post Covid-19 Enterpreneurial Opportunities in Supply Chain of Fresh Fruits and vegetables organised by BESST HORT TBI of ICAR-IIHR, Bangalore.	1 day (21/08/2020)
3	IPR:Patent Preparation and Prosecution organised by IQAC Library, J. Watumulla Sadhubella Girls College, Thane, MH.	1 day (14/08/2020)
4	Live Webinar Export Challenges and Mitigation Strategies in Fresh and Processed F&V in COVID-19 times Organized by Department of Agriculture and Environmental Sciences, NIFTEM.(MOFPI).	1 day (08/08/2020)
5	Organic Farming: Need of the Hour organised by K.K.Wagh College of Agriculture, Nasik. (Online)	1 day (06/08/2020)
Papers presented		
1	M. Deena Dayalan, S.Srivignesh, S. Manivannan, K. Rama Krishna , Kaushik Rajaram, S. Kathiresan and A. Ramesh Kumar*. 2023. Studies on flowering and fruiting behaviour of Water apple. ICBCSAFS, 2023. Organized by Centre for Natural Farming and Sustainable Agriculture, Faculty of Agriculture, Annamalai University, Annamalai Nagar- 608 002 from 09-10, March, 2023. P: 113. ISBN: 978-81-960905-5-5.	2 days (09-10, March, 2023)
2	Priyadarsini, L., Subbiah, A., Ramesh Kumar, A., Srivignesh, S., Rama Krishna, K. , Kaushik Rajaram, S. Kathiresan and A. Ramesh Kumar*. 2022. Studies on yield and quality analysis of grape var. muscat hamburg grafted on dog ridge rootstock and own rooted. 5 th Plant Science Research Meet, 2022 (PSRM) - National Conference on Agriculture, Applied and Life Sciences: Current Research, organized by Association of Plant Science Researchers and Indian Academy of Rural Development and held at Uttarakhand Open University, Nainital, India. Pp:146-147	2 days (8-19, November, 2022)

3	Rama Krishna, K. X-ray imaging as a non-destructive detection technique for jelly seed disorder in mango (<i>Mangifera indica</i> L.) fruit. 9th Indian Horticulture Congress-2021 on “Horticulture for Health, Livelihoods and Economy” November 18-21, 2021, organized by Chandra Shekhar Azad University of Agriculture and technology, Kanpur, and Indian Academy of Horticultural Sciences, New Delhi.	4 days (November 18-21, 2021)
4	Allwin, V., Rama Krishna, K. , Srivignesh, S., Ramesh Kumar, A. and M. Malakar. Effect of polyamines on shelf life of tuberose loose flowers. Session-X: Post-harvest Management and Value Addition. 9th Indian Horticulture Congress-2021 on “Horticulture for Health, Livelihoods and Economy” November 18-21, 2021, organized by Chandra Shekhar Azad University of Agriculture and technology, Kanpur, and Indian Academy of Horticultural Sciences, New Delhi.	4 days (November 18-21, 2021)
Workshops/Trainings		
1	International Online Workshop on “Application of Statistics in Science and Technology using SPSS” organised by World Food Preservation Center, USA	3 days (08-10/08/2020)
2	Process Optimization Techniques and Texture Profile Analysis organized by College of Food Technology, Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar, Dist-Banaskantha, Gujarat, India	1 day (05/08/2020)
3	Science Leadership Workshop organised by Science Academies, Central University of Punjab, Bathinda, India.	1 week (22-28/06/2020)
4	Advances in Smart Food Processing Technologies organised by CAAST-CSAWM, NAHEP-ICAR.	2 weeks (04-15/06/2020)
FDP/Orientation/Refresher courses		
1	MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0, organised by MHRD/PMMMNM Ramanujan College, DU, New Delhi,	2 weeks (25/07, 10/08/2020)
2	Orientation Programme for Faculty in Universities/Colleges/Institutes of Higher Education, organised by MHRD-PMMMNM, TLC, Ramanujan College, DU, India.	4 weeks (04/06, 01/07/2020)
3	One Week FDP on MOOCs, E-Content Development and OER, Govt. First Grade College- Hungund, Karnataka.	1 week (28/05, 03/06/2020)

Life Membership in Scientific Research Societies

- ❖ **The Horticultural Society of India (Indian Journal of Horticulture)**, National Agriculture Science Centre Complex, Pusa campus, New Delhi-12.
- ❖ **Indian Society of Horticulture Research & Development (Progressive Horticulture)**, Horticulture Research and Extension Centre, Chaubattia-263651, Uttarakhand.
- ❖ **Society for Agriculture and Arid Ecology Research**, Division of Crop Improvement, ICAR-Central Institute for Arid Horticulture, Bikaner-334006, Rajasthan.
- ❖ **The Indian Science Congress Association (ISC)**, Berish Guda Street, Kolkatta-700017.

Research experience

Ph. D work:

Thesis Title: Studies on jelly seed disorder in mango and its detection with X-ray imaging.

M.Sc work:

Thesis Title: Effect of chitosan coating on the quality and shelf life of guava (*Psidium guajava* L.) cv. Allahabad Safeda during storage at different temperature.

DECLARATION

I hereby declare that the above-mentioned information is correct to the best of my knowledge.

Place: Thiruvarur.

Date: 24.07.2023



(K. RAMA KRISHNA)