

Professional Profile



Dr. K. Rama Krishna, (Ph.D: ICAR-IARI)
Assistant Professor, Specialization: Postharvest Technology
Department of Horticulture,
School of Life Sciences,
Central University of Tamil Nadu,
Thiruvavur-05, TN, India.

Email: ramakrishna.karri001@gmail.com
ramakrishna@cutn.ac.in

ORCID ID: <https://orcid.org/0000-0002-6407-2690>

VIDWAN ID: <https://vidwan.inflibnet.ac.in/profile/247002>

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 award at National Conference on Floriculture and Landscaping @ 2047 Viksit Bharat, Organised by KSNUAHS, Shivamogga during 23rd and 25th March, 2026.
- ❖ Best Poster Presentation certificate, 9th HSI, Horticulture for Health, Livelihoods and Economy-2021, New Delhi.
- ❖ Research Excellence Award was awarded by Institute of Scholars, Chitradurga, Karnataka, 2020.
- ❖ 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 delivered an **invited lecture** on ‘Postharvest Physiological and Biochemical Changes Associated with Fruit Ripening’ to the integrated students of the Department of Biotechnology, School of Integrated Biology, CUTN on 04.05.2026.
- Dr. K. Rama Krishna has served as ‘**Resource person**’ in a training program on ‘Improved production technology and value-addition in cashew’ at Ariyalur dt., TN organised by

Department of Horticulture, CUTN, In association with GOI-DCCD, Kochi, Kerala, during 20-21/03/2025.

- Dr. K. Rama Krishna **delivered a guest lecture** (online) on ‘Postharvest Management of Horticulture’ to postgraduate students of Department of Postharvest Technology on 29.11.23 offered by Amity Institute of Horticulture Sciences, Amity University, Noida, UP.
- Dr. K. Rama Krishna has served as ‘**Resource person**’ for the **Two Days of Training** (16th and 17th October 2023) on **"Prospects of Value Addition for Livestock Products" to Framers** offered by Department of Epidemiology and Public Health, School of Life Sciences, Central University of Tamil Nadu, Thiruvavur. He delivered a talk on **“Value-Addition Opportunities Based on Millet for Milk and/or Meat”**.
- Dr. K. Rama Krishna has **served as a jury member** for evaluation of poster presentations during International Seminar on Exotic and Underutilized Horticultural Crops held during 17-19 October, 2023 at ICAR-IIHR, Bengaluru.
- 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.
- 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.

Teaching and Research Experience

- Has 6 years of teaching and 9 years of research experience.
- Guided 1 Ph.D. and 15 M.Sc. Students in different areas of horticulture, especially postharvest management-related studies.
- Guiding 3 Ph.D. scholars and 8 M.Sc students presently.

PUBLICATIONS AND ACADEMIC ACTIVITIES

S.no	Publications *Corresponding author	NAAS Score (Indexed) & IF
Research articles		
1.	Karri, R.K* , Asrey, R., Srivastav, M. et al. Mineral Dynamics Associated with Jelly Seed: A Ripening Disorder in Mango (<i>Mangifera indica</i> L.). <i>Applied Fruit Science</i> 68, 274 (Aug, 2026). https://doi.org/10.1007/s10341-026-01981-3	7.9 (Scopus) IF:1.9
2.	Rekha G.V., Srivignesh S., Pravin I.A., Ramesh Kumar A. and Rama Krishna K* . (June, 2026). L-methionine as a potential chemical elicitor against anthracnose of Chilli- in vitro and in vivo postharvest analysis. <i>Progressive Horticulture</i> , 58(1): 93-99. DOI:10.5958/2249-5258.2026.00009.6	4.90 (Peer Reviewed)
3.	Rama Krishna K. (July, 2026). MRLs & Pesticides Management in Mango Sector. <i>Indian Food Packer</i> , (2):45-47.	3.04 (Peer reviewed)

4. Pradeep M, Srivignesh S, **Rama Krishna K**, Kathiresan S, Ramesh KA. (2026 May 31). Modulation of yield dynamics in acid lime cv. Balaji during Hasta bahar through foliar application of novel plant growth regulators. *Plant Sci. Today*, 13(2). <https://doi.org/10.14719/pst.13332> **6.8 (Scopus) IF:0.8**
5. Harini, R. S., ArumukaPravin, I., Gomathi, A., Divyabharathi, M. C., **Krishna, K. R.**, Kumar, A. R., ... & Srivignesh, S. (May, 2026). Effect of Light Spectrum and Photoperiod on Growth and Phytochemicals of Amaranthus microgreens. *Journal of Agriculture and Food Research*, 102986. <https://doi.org/10.1016/j.jafr.2026.102986> **12.2 (Scopus) IF: 6.2**
6. Gokiladevi, R., **Rama Krishna, K***, Sakate, D M., Gotmare P R., Ramesh Kumar, A. (2025). The flower industry in transition: lessons from COVID-19 on pricing, supply, and consumer trends. *Progressive Horticulture*, 57(1): 87-95. DOI: 10.5958/2249-5258.2025.00005.3 **4.9(Peer reviewed)**
7. M. Chithra; **K. Rama Krishna***; Suchitra Rakesh; A. Ramesh Kumar; S. Srivignesh (Aug, 2025). Amelioration of Breadfruit Shelf-Life and Quality by Cling and Shrink Film as Modified Atmospheric Packaging. *Packaging Technology and Science*, <https://doi.org/10.1002/pts.70014> **10.70(Scopus) IF: 4.7**
8. M R Kavya, **Karri Rama Krishna**, Alagarsamy Ramesh Kumar, Sundaresan Srivignesh, (July, 2025). From gene to plate- Nutritional genomics and the second generation transgenics, *Nutrition*, 140: 112917 doi: <https://doi.org/10.1016/j.nut.2025.112917> **9 (Scopus) IF:3**
9. Sezhian, Ambethgar Anbu, Nehru Niresh Kumar, Iyadurai Arumuka Pravin, Alagarsamy Ramesh Kumar, **Karri Rama Krishna**, and Sundaresan Srivignesh (2025). "Effects of Biostimulants on Growth and Biochemical Composition of Amaranthus Dubius". *Archives of Current Research International* 25 (4):42-61. <https://doi.org/10.9734/acri/2025/v25i41135>. **5.13(Peer review)**
10. Gomathi, A., **Krishna, K. R.**, Pravin, I. A., Rameshkumar, A., Thondaiman, V., & Srivignesh, S. (June, 2024). Application of nanoparticles in agriculture and vegetable seed germination. *J. Innov. Agric*, 11, 1-10. <https://doi.org/10.37446/jinagri/ra/11.2.2024.1-10> **4.05 (Peer-reviewed)**
11. Pradeep, M., Srivignesh, S., **Krishna, K. R.**, Kathiresan, S., Pravin, I. A., & Kumar, A. R. (Sept. 2024). Enhancing yield and economics of banana cultivar Rasthali (Silk-AAB) through bunch spray of growth regulators and nutrients. *Journal of Environmental Biology*, 45(6): 756-762 <http://doi.org/10.22438/jeb/45/6/MRN-5342> **6.70 (Scopus) IF: 0.73**
12. Chithra, M., **Krishna, K. R.***, Rakesh, S., Kumar, A. R., & Manoprabha, M. (17 August 2024). Exploring breadfruit peel waste as a potential source for bio-ethanol production. *Biomass Conversion and Biorefinery*, 1-9. <https://doi.org/10.1007/s13399-024-06043-w> **10.5 (Scopus) IF: 4.5**
13. Killi Prasad, Ram Asrey, Shruti Sethi, Manish Srivastav, Dinesh Singh, Ajay Arora, Alka Joshi, VijayRakesh Reddy, NirmalKumar Meena, Anamika Thakur & **Karri Rama Krishna**. (13 July 2024). Preservation potential of essential oils on the postharvest quality and shelf-life attributes of mango fruit. *South African Journal of Botany*, 172, 8-18. <https://doi.org/10.1016/j.sajb.2024.07.016> **9.1 (Scopus) IF:3.1**

14. Allwin, V., & **Rama Krishna, K.*** (10 June 2024). Endogenous plant metabolites influence on shelf-life extension of tuberose flowers. *Journal of Horticultural Sciences*, 19(1). <https://doi.org/10.24154/jhs.v19i1.1851> 6.4
(Scopus)
IF: 0.4
15. Anbu Sezhian Ambethgar, Alagarswamy Rameshkumar, **Karri Rama Krishna** & Srivignesh Sundaresan. (22 Jan 2024). Biological Control of Pests in Major Tropical Vegetable Crops: A Review. *Agricultural Reviews*, doi10.18805/ag.R-2635 4.84 (UGC)
16. Gokiladevi R, P. Ellampirai M, Ramesh Kumar A, Srivignesh S & **K. Rama Krishna*** (17 Nov 2023): Natural colour extraction from horticultural crops, advancements, and applications—a review, *Natural Product Research*, 39(1), 163–181. <https://doi.org/10.1080/14786419.2023.2280796> 8.0 (Scopus)
IF:2.0
17. 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. *Plant Archives*, 23(1), 384-388. <https://doi.org/10.51470/PLANTARCHIVES.2023.v23.no1.063> 5.59 (Peer reviewed)
18. Divyabharathi, G., **Krishna, K. R.***, Chithra, M. 2023. Elite plant metabolites extend the shelf life and quality of banana at room temperature. *Journal of Postharvest Technology*, 11 (2): 45-55. 4.25 (UGC)
19. 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 [*Cyamopsis tetragonoloba* (L.) Taub.] var. Pusa Navbahar, *Legume Research*, 45(11). DOI: 10.18805/LR-4998 6.0 (Scopus)
IF:1.0
20. Ragulraj, H., Srivignesh, S., **Rama Krishna, K.**, and Ramesh Kumar, A. (2022). Bio-stimulants Influence on Growth and Yield of Aggregatum Onion, *Ecology, Environment and Conservation*, 28 (4): 2062-2067. 5.05(Scopus)
21. Chithra, M., Venkatesan, S., & **Krishna, R. K.*** (2022). Influence of plant-based edible coatings on shelf-life of banana cv. ‘Ney Poovan’. *Progressive Horticulture*, 54(1), 50-56. DOI: 10.5958/2249-5258.2022.00005.7 4.9 (Peer reviewed)
22. Mani Arghya, **Krishna Rama K.**, Mirza Anis (2023). Post Harvest Applications of Cold Plasma Technology: A Review. *Agricultural Reviews*. 44(2): 131-144. doi: 10.18805/ag.R-2221. 4.63 (UGC)
23. **Rama Krishna, K.***, Sharma, R. R., & Srivastav, M. (2020). Physiological and biochemical attributes associated with jelly-seed disorder in mango (*Mangifera indica* L.). *Acta Physiologiae Plantarum*, 42 (90), 1-12. <https://doi.org/10.1007/s11738-020-03079-z> 8.6 (Scopus)
IF:2.6
24. **Ramakrishna, K.***, Sharma, R.R., Kar, A. and Srivastav, M. 2019. Non-destructive detection of jelly seed disorder in ‘Amrapali’ and ‘Pusa Surya’ varieties of mango (*Mangifera indica* L.). *Indian Journal of Agricultural Sciences*. 89(1): 94-8. <https://doi.org/10.56093/ijas.v89i1.86174> 6.4 (Scopus)
25. **Rama Krishna, K.*** and Sudhakar Rao, D.V. 2017. Influence of chitosan coating and storage temperatures on postharvest quality of guava. *Indian Journal of Horticulture*, 74(3): 81-85. DOI: 10.5958/0974-0112.2017.00091.3 6.0 (Scopus)
IF: 0.23

26. **Rama Krishna, K.*** and Sudhakar Rao, D.V. 2017. Chitosan coating in combination with low temperature for extending storage life of guava (*Psidium guajava* L.). *Ecology Environment and Conservation*, 23(1): 1-6. 5.41 (Scopus)
27. **Rama Krishna, K.*** and Sudhakar Rao, D.V. 2017. Postharvest quality attributes of guava as affected by chitosan coating at critical low temperature. *Research Journal of Agricultural Sciences*, 8(2): 426-430. 4.54 (Peer reviewed)
28. **Rama Krishna, K.*** and Sudhakar Rao, D.V. 2014. Effect of chitosan coating on the physiochemical characteristics of guava (*Psidium guajava* L.) fruits during storage at room temperature. *Indian Journal of Science and Technology*, 7(5): 554-558. DOI: 10.17485/ijst/2014/v7i5.4 Scopus/
WoS indexed
29. 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. *Annals of Agriculture Research*, 38(1): 113-118. 4.62 (UGC)
30. 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 (*Litchi chinensis* Sonn.) during storage. *Indian Journal of Horticulture*, 75(3): 523-527. DOI: <https://doi.org/10.5958/0974-0112.2018.00088.9> 6.0 (Scopus)
IF:0.23
31. Rahul Kumar, Singh, S., **Rama Krishna, K.**, Archana, A. and Nitish, R.P. 2017. Organic farming of vegetables: prospects and scenario. *Global Journal of Bio-Science and Bio-Technology*, 6(2): 390-394. 4.13 (Peer reviewed)
32. 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. *Indian Journal of Horticulture*, 76(1): 176-179. <https://doi.org/10.5958/0974-0112.2019.00025.2> 6.0 (Scopus)
IF: 0.23
33. Manoj Kumar, N., Priyadarshani, P.M. and **Rama Krishna, K.** 2016. Factors Affecting the Storage Life of Vegetables: A review. *Advances in Life Sciences*, 5(4): 1161-67 3.15 (Peer reviewed)
34. 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. -

Books Edited/Published

1. Meena Kumari, Manuj Awasthi, Mohd Ali.....**K. Rama Krishna**, et al. (2024). Futuristic Trends in Agriculture Engineering & Food Sciences, 3 (19), Iterative International Publishers, Karnataka. e-ISBN: 978-93-5747-368-2.

Book Chapters

1. M.C. Divyabharathi, Ambethgar Anbu Sezhian, Iyadurai Arumuka Pravin, Karri Rama Krishna, Alagarsamy Rameshkumar and Sundaresan Srivignesh. (2026). Quorum Sensing Molecules Role in Bacterial and Plant Interaction. In: New Horizons in Agriculture Lab to Land (pp. 139-150). Content Vibes, Haryana. ISBN: 978-93-67554-43-2. (24/07/2026)
2. Iniya Bharthi R, Pradeep M, Nithya R and **K Rama Krishna**. (2026). Precision Horticulture. In: Advance Technology in Horticulture-Innovation for a Sustainable Future (pp. 34-40). HSRA Publication, Bangalore, Karnataka. ISBN: 978-93-6850-281-4. (20-01-2026)

3. Nashath Kalangadan, Manali Manik Patil, Addagada Rama Krishna, **Karri Rama Krishna** and Kaushik Rajaram. (2024). Biopreservation of Fruits and Vegetables Using Postbiotics. *In: Postbiotics: Health and Industry* (pp. 625-656). Academic Press, Elsevier, London, UK. ISBN: 978-0-443-22188-0. DOI:10.1016/B978-0-443-22188-0.00036-X. (Oct, 9, 2024)
4. **K. Rama Krishna**, Jyoti Nishad and Smruthi Jayarajan. (2024). Postharvest Management of Sapota for Longer Quality Retention, *In: Pushpendra Kumar, Helen Soibam & B. N. Hazarika. 2024. Novel Technologies for Shelf-Life Enhancement of Perishable Crops. Department of Post Harvest Management, College of Horticulture & Forestry, Central Agricultural University (I) Pasighat-791102, Arunachal Pradesh (India). Pp: 114-123. ISBN: 978-93-340-5021-9. April, 2024.*
5. Archana V. Mahida and **K. Rama Krishna**. (2024). Intelligent Packaging for Perishable Fruits, *In: Pushpendra Kumar, Helen Soibam & B. N. Hazarika. 2024. Novel Technologies for Shelf-Life Enhancement of Perishable Crops. Department of Post Harvest Management, College of Horticulture & Forestry, Central Agricultural University (I) Pasighat-791102, Arunachal Pradesh (India). Pp: 18-23. ISBN: 978-93-340-5021-9.*
6. Archana V. M., **Rama Krishna, K.**, and Krishnamoorthi, A. (2024). Value addition of berries and cherries. *In: Futuristic Trends in Agriculture Engineering & Food Sciences*, 3 (19, 4, 3), pp: 104-116. IIP Series. e-ISBN: 978-93-5747-368-2.
7. Ambethgar Anbu Sezhian, Alagarsamy Ramesh Kumar, **Karri Rama Krishna** and Sundaresan Srivignesh. (2024). Applications of Nanotechnology In Pest Management of Horticultural Crops, *In: Futuristic Trends in Chemical, Material Sciences & Nano Technology*, 3(4, 1): 33-52. IIP Series. e-ISBN: 978-93-5747-550-1.
8. Palanisamy Karthiga, Rajaram Kaushik, **Karri Rama Krishna**, and Sundaresan Srivignesh. (2024). Nanoparticles Uptake, Utilization and Phytotoxicity in Plants, *In: Futuristic Trends in Chemical, Material Sciences & Nano Technology*, 3(4, 1): 8-20. IIP Series. e-ISBN: 978-93-5747-550-1.
9. Archana Mahida V, **Rama Krishna K**, Pravin Manjare B, and Chithra M. 2023. Crop Modelling in Fruit Crops. *In: Modern Approaches in Horticulture* (1), 166-174, Elite Publishing House, New Delhi. ISBN : 978-93-58990-07-2.
10. **Krishna, K. R.**, Ellampirai, M. P., & Archana, T. J. (2023). Package and Storage of Temperate Nuts. *In Temperate Nuts* (pp. 295-304). ISBN:978-981-19-9497-5. Springer Nature Singapore. DOI: 10.1007/978-981-19-9497-5_13
11. K. Gnanasundari, S. Srivignesh, A. Harish, Manish Kumar, **K. Rama Krishna** and A. Ramesh Kumar. 2023. Integrated Weed Management in Tomato, *In: PLANTA, Research Book Series*, 6: 1090 – 1096. ISBN: 978-81-953419-1-7. Association of Plant Science Researcher, Uttarakhand.
12. 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. ISBN: 978-81-953419-1-7. Association of Plant Science Researcher, Uttarakhand.
13. Nishad, J., Jayarajan, S., & **Krishna, K. R.** (2022). Chemical Treatment of Foods: Science, Shelf Life, and Quality. *In Shelf Life and Food Safety* (pp. 197-226). Taylor & Francis, CRC Press.
14. S. Priyadarsini, L., Ramesh Kumar, A., **Rama Krishna, K.**, Senthilkumar, S. and S. Manivannan, (2021). Irradiation practices over fresh and fresh cut fruits and vegetables, *In:*

Interdisciplinary approaches in agriculture and forestry, Taran Publisher, Uttam Nagar West, New Delhi, pp: 23-28. ISBN: 978-93-92313-22-6.

15. **K. Rama Krishna** and G.Gajanan (2021). Waste Utilization and Disposal, In: *Postharvest Technology of Horticultural Crops*, Jaya Publishing House, pp.225-249
16. **Krishna, K. R.**, Smruthi, J., & Manivannan, S. (2021). Packaging and Storage of Stone Fruits. In *Production Technology of Stone Fruits*, Springer Singapore, pp.273-305.
17. **Rama Krishna, K** and Sachin, T. 2018. Hurdle Technology. In: *Hi-Tech Horticulture, Vol. 6: Value addition and post-harvest Management*. New India Publishing Agency, New Delhi-34. pp. 63-72.
18. Sachin Tyagi, **K. Rama Krishna**, Jyoti Kumari, Preeti Kumari and Ankit Singh. 2018. Roof Gardening. In: *Hi-Tech Horticulture, Vol. 2: Organic Farming and Sustainable Development Techniques*. New India Publishing Agency, New Delhi-34. pp. 157-166.
19. **Rama Krishna, K.** Gajanan, G. and Kumar, P. 2018. Food Security, Safety and Quality Laws in India. In: *Recent Trends & Advances in Food Science & Post Harvest Technology*. 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, *Krishi Science*, 3(10): 41-45.
2. M. C. Divyabharathi., **K. Rama Krishna**., V. J. Manisha and R. Iniyabharathi (2022). Role of robotics in horticulture, *Krishi Udyan Darpan*, 2(2): 41-43.
3. Neeraj Singh and **K. Rama Krishna** (2021). Polyamines-elite green compounds and their application in horticultural crops, *Krishi Science*, 2(12): 29-33.
4. Manish Kumar, **K. Rama Krishna**, A. Ramesh Kumar and S. Srivignesh (2021). Teasel gourd (*Momordica dioica*)- a minor vegetable with high value, *Agri Journal World*, 1(4): 26-29.
5. Priyadarsini, L., **Rama Krishna, K.** And Ramesh Kumar, A. (2021). Drones-New Friend of Farmer, *Everyman's Science*, 56 (2), 30-34.
6. **Rama Krishna, K.** and Sharma, R.R. 2017. X-ray imaging for detection of jelly seed disorder in mango. *ICAR News letter*, 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. *Indian Horticulture*, 61(4): 17-19.
8. Archana, T. J. and **Rama Krishna, K.** 2018. Electrolyzed water: A green concept for sanitation of fruits and vegetables. *Everyman's Science*, 53(3): 155-159.
9. R.R. Sharma and **K. Rama Krishna**. Non-Destructive Evaluation of Jelly Seed Disorder using X-ray Imaging. *Biotech Articles*. 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
<u>Seminars/Webinars</u>		

- | | | |
|---|---|------------------------|
| 1 | Participated in 11 th Indian Horticulture Congress 2025 held at UAS, Bengaluru. | 06-09.11.2025 |
| 1 | Attended International Seminar on Exotic and Underutilized Horticultural Crops held at ICAR-IIHR, Bengaluru. | 17-19 October, 2023 |
| 1 | Organic Farming: Need of the Hour organised by K.K.Wagh College of Agriculture, Nasik. (Online) | 1 day
(06/08/2020) |
| 2 | 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) |
| 3 | IPR:Patent Preparation and Prosecution organised by IQAC Library, J. Watumulla Sadhubella Girls College, Thane, MH. | 1 day
(14/08/2020) |
| 4 | Post Covid-19 Enterprenuerual Opportunities in Supply Chain of Fresh Fruits and vegetables organised by BESST HORT TBI of ICAR-IIHR, Bangalore. | 1 day
(21/08/2020) |
| 5 | 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) |

Papers presented

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|----|---|---------------|
| 1. | Priyanka MS and Rama Krishna K. 2026. Exploring the Nutritional Potential of Butter Pea Flower Tea. National Conference on Floriculture and Landscaping @ 2047 Viksit Bharat, Organised by KSNUAHS, Shivamogga. | 23-25/03/2026 |
| 2. | Pradeep M, V Akhila, A. Ramesh Kumar, K. Rama Krishna , S. Srivignesh, and S. Kathiresan. 2026. “Effect of Novel Plant Growth Regulators on Stress Mitigation in Acid Lime (Citrus aurantifolia) cv. Balaji” in the National Conference on Agriculture, Environment, and Sustainable Development 3.0 (NCAESD 2026) from conducted at Rajiv Gandhi University, Arunachal Pradesh, page: 30. | 09-10/03/2026 |
| 3. | Pradeep M, A. Ramesh Kumar, K. Rama Krishna , S. Srivignesh and S. Kathiresan. 2025. Assessment of Novel Plant Growth Regulators on Reproductive Phase Transition and Yield Forecasting Metrics in Acid Lime cv. Balaji in the National Seminar on Jumpstarting Agricultural Initiatives for Sustainable Agriculture, Rural Development, and Augmenting Regional Collaborations’ (JAI-SARDAR), conducted at Junagadh Agricultural University, Junagadh, Gujarat organized by Sponsored ICAR, New Delhi, page: 66 (ISBN: 978-93-48965-72-1) | 23/12/2025 |
| 4. | Pradeep M, A. Ramesh Kumar, K. Rama Krishna , S. Srivignesh and S. Kathiresan. 2025. Modulation of Growth Dynamics in Acid Lime cv. Balaji through Foliar Application of Novel Growth Regulators during Hasta Bahar in the 3rd International Conference on “The Next Green Revolution: Trends and Challenges in Sustainable Agriculture” conducted | 14/08/2025 |

at Pushkaram College of Agricultural Sciences, Pudukkottai. Affiliated to Tamil Nadu Agricultural University, organized by ICAR, NRCB, PCAS and Centre for Science Technology and Development Studies. page: 317 (ISBN- 978-93-343-4493-6)

5. Divyabharathi MC. **Rama Krishna K.** Srivignesh S and Ramesh Kumar A. 2025. Standardizing the Blanching Technique and Its Influence on Shelf Life and Quality of Stored Moringa Pulp Shreds. International Conference on Recent Advances in Food Science and Technology: A Way Forward, organised by DSLD CHEFT, Devihosur-Haveri, UHS, Bagalkot and Karnataka Science and Technology Academy, GoK. 22-24/01/2025
6. Rekha GV. **Rama Krishna K** and Srivignesh S. 2025. Influence of Chemical Elicitors on Chilli Anthracnose. International Conference on Recent Advances in Food Science and Technology: A Way Forward, organised by DSLD CHEFT, Devihosur-Haveri, UHS, Bagalkot and Karnataka Science and Technology Academy, GoK. 22-24/01/2025
7. Maniselvam, A., **Rama Krishna, K.**, Srivignesh, S and A. Ramesh Kumar. Quality Improvement in Off-season Mango (*Mangifera indica* L.) cv. Rumani. 2nd National Conference on Technology Intervention for Prospects of Agriculture In India, 17th February 2024. Organized by Department of Agricultural Economics, JSACAT, Cuddalore, Tamil Nadu. 17/02/2024
8. Archana V. Mahida and **K. Rama Krishna**. 2024. Characterization of Properties of the Health Fortitified Breadfruit and karonda Blended Powder, presented at Progressive Horticulture Conclave 2024 Horticulture Technology for Self-Reliant India, Navsari, Gujarat. Pg.: 151. 18-20 January 2024.
9. **Dr. K. Rama Krishna** has orally presented a paper entitled 'Minimally Processing of Breadfruit using Chemical Elicitors' during International Seminar on Exotic and Underutilized Horticultural Crops held during 17-19 October, 2023 at ICAR-IIHR, Bengaluru. 17-19 October 2023
10. Archana V. Mahida, **Rama Krishna. K.**, Pravin B. Manjare and Chithra M. 2023. Processing and Value Addition of Dragon Fruit, presented at 4th International Conference on Innovations to Transform Agriculture, Horticulture and Allied Sectors (ITAHAS-2023), MRU, Hyderabad, Telangana, pg.: 326. 21st-23rd June, 2023
11. 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)
12. 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 2 days (8-19, November, 2022)

Science Researchers and Indian Academy of Rural Development and held at Uttarakhand Open University, Nainital, India. Pp:146-147.

13. **Rama Krishna, K.** X-ray imaging as a non-destructive detection technique for jelly seed disorder in mango (*Mangifera indica* 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)
14. 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 CBDE workshop on Design Thinking: A Pedagogical approach to innovation and entrepreneurship organised at IIIT, Sri City, Chittoor. Two days (12-13.09.2025)
- 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 Science Leadership Workshop organised by Science Academies, Central University of Punjab, Bathinda, India. 1 week (22-28/06/2020)
- 3 Advances in Smart Food Processing Technologies organised by CAAST-CSAWM, NAHEP-ICAR. 2 weeks (04-15/06/2020)
- 4 Process Optimization Techniques and Texture Profile Analysis organized by College of FoodTechnology, Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar, Dist-Banaskantha, Gujarat, India 1 day (05/08/2020)

Winter School/FDP/Orientation/Refresher courses

- 1 Refresher course in Life Sciences organised by UGC-MMTTC, Central University of Kerala, Kerala. 05.10.2026 to 17.01.2026 (14 days)
- 2 Participated in the ICAR-sponsored Winter School at ICAR-IARI to undergo training on Recent Advances in Food Processing Technologies for Agri-Horti Produce. 16/01/2025 to 05/02/2025 (21 days)
- 3 Refresher course on Indian Knowledge System, UGC-HRDC, BHU, Varanasi. 09-22/09/2023 (14 days)
- 4 One Week FDP on MOOCs, E-Content Development and OER, Govt. First Grade College- Hungund, Karnataka. 1 week (28/05, 03/06/2020)
- 5 MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0, organised by MHRD/PMNM Ramanujan College, DU, New Delhi, 2 weeks (25/07, 10/08/2020)

- 6 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)

Student Related Activities

1. Organized an invited lecture for the students of horticulture by inviting Dr. M Sankaran, Principal Scientist, Division of Fruit Science, ICAR-IIHR, Hessaraghatta, Bangalore, to deliver a talk on the topic “Recent advances in Pre-breeding of Horticultural Crops” dated 23/09/2025.
1. Organized an invited lecture for the students of horticulture by inviting Dr. Vijay Rakesh Reddy S, Scientist, Division of Postharvest Technology and Agricultural Engineering, ICAR-IIHR, Hessaraghatta, Bangalore, to deliver a talk on the topic “Ethylene Signaling: Foe or Friend for Horticultural Produce” dated 22/11/2024.
2. Organised several lectures by inviting eminent scientists and faculty for UGC/ICAR-ASRB NET coaching in the academic year 2024-25.

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 imagining.

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: Thiruvavur.

Date: 06.08.2026

(K. RAMA KRISHNA)