

### **Scientific publications/Peer-reviewed publications:**

1. **Raghuveer, S.,** Yuvaraj, K. M., Aarthi, S., & Prasath, D. (2025). "Influence of contrasting production environments interaction on curcuminoid analogues and its stability in turmeric (*Curcuma longa* L.). *Biochemical genetics*. <https://doi.org/10.1007/s10528-025-11239-4>. **IF-1.60**
2. **Raghuveer, S.,** Prasath, D., Yuvaraj, K. M., Aarthi, S., Srinivasan, V., & Krishnamurthy K. S. (2024). Deciphering the genotypic superiority of turmeric (*Curcuma longa* L.) for yield and quality traits under three contrasting production systems. *Journal of Applied Research on Medicinal and Aromatic Plants*. 43(December): 100592 <https://doi.org/10.1016/j.jarmap.2024.100592> **IF-3.80**
3. **Raghuveer, S.,** Prasath, D., Yuvaraj, K. M., Aarthi, S., (2024). Genotypic and environmental influences on colour and curcuminoids of turmeric (*Curcuma longa* L.) genotypes across contrasting production environments. *Plant Genetic Resources: Characterization and Utilization*. Published online 2024:1-10. <https://doi.org/10.1017/S1479262124000339> **IF-1.2**
4. **Raghuveer, S.,** Yuvaraj, K. M., Aarthi, S., & Prasath, D. (2023). Multivariate analysis for various agro-morphological traits of turmeric (*Curcuma longa* L.). *Journal of Horticultural Sciences*. 18(2), 330-337. <https://doi.org/10.24154/jhs.v18i2.2092> **IF-0.4**
5. **Raghuveer, S.,** Yuvaraj, K. M., Aarthi, S., & Prasath, D. (2023). Patterns in genetic variation and character association of yield components in turmeric (*Curcuma longa* L.) *Journal of Spices, and Aromatic crops*, 32 (1): 14-23. <https://doi.org/10.25081/josac.2023.v32.i1.8589>
6. **Raghuveer, S.,** Yuvaraj, K. M., Aarthi, S., & Prasath, D. (2024). "Influence of controlled environment on the yield, quality stability and environment adaptability of turmeric (*Curcuma longa* L.) genotypes". *Scientifica* (minor revision submitted on 17<sup>th</sup> February, 2026). **IF-3.1**
7. **Raghuveer, S.,** Yuvaraj, K. M., Aarthi, S., Prasath, D., & Sivaranjini, R. (2024). Delineating genotype × environment interactions of essential oil using AMMI and GGE biplot models and metabolomic profiles in turmeric (*Curcuma longa* L.) genotypes across three contrasting production systems. (in Manuscript Preparation stage)
8. **Raghuveer, S.,** Pant, S. C., Chauhan, R. S., & Bahuguna, P. (2018). Genetic variability studies in chilli (*Capsicum annuum* L.) in mid hilly regions of Uttarakhand. *The Bioscan*, 13(2), 585-589.
9. **Raghuveer, S.,** Pant, S. C., Chauhan, R. S., & Bahuguna, P. (2022). Genetic diversity of chilli (*Capsicum annuum*) genotypes: A way of crop improvement in Uttarakhand hill zones of India. *Biological Forum - An International Journal*, 14(1): 2189-2193.
10. Reddy, G. C., & **Raghuveer, S.** (2018). Non-traditional products from kokum: Inland and global opportunities. *International Journal of Fauna and Biological Studies*, 5(6): 102-104.

### **Books and book chapters:**

1. Yuvaraj, K.M., Reddy, G. C. M., Mastan Vali, D., Sivaram, G. T., & **Raghuveer, S.,** (2021). Spices at a glance Plantation, Medicinal and Aromatic crops, Astral International Publications, New Delhi, India. ISBN: 9789390435210
2. Prasath, D., Srinivasan, V., Parshuram, S., Leela, N. K., Akshitha, H. J., **Raghuveer, S.,** & PN Ravindran (2024). Turmeric. In: Ravindran, P.N., Sivaraman, K., Devasahayam, S., Babu, K.N. (eds) Handbook of Spices in India: 75 Years of Research and Development. Springer, Singapore. Vol. 2: 1793–1912. [https://doi.org/10.1007/978-981-19-3728-6\\_26](https://doi.org/10.1007/978-981-19-3728-6_26)

3. Prasath, D., Kandiannan, K., Aarthi, S., Sivaranjani, R., Senthamizh Selvi, B., & **Raghuveer, S.**, (2024) Ginger. In: Ravindran, P.N., Sivaraman, K., Devasahayam, S., Babu, K.N. (eds) Handbook of Spices in India: 75 Years of Research and Development. Springer, Singapore. Vol. 2: 1661-1792. [https://doi.org/10.1007/978-981-19-3728-6\\_25](https://doi.org/10.1007/978-981-19-3728-6_25)
4. **Raghuveer S.** (2025). Bilimbi. In: Gopal, K., Bhagavati, P.P., Srinivasulu, B., Ajay Kumar, K. (eds) Under Exploited Fruit Crops Vol. 2: 1-10. Today & Tomorrows Printers and Publishers, New Delhi. (ISBN:9789348596024)
5. Brahmani, G., Rehana, S., Raghuveer, S., & Naik, E. K. (2026). Revolutionizing Agriculture: Strategies for Nutritional Enhancement of Crops for Improved Human Health. In H. S. Jatav, H. Singh, U. Singh, S. K. Attar, V. D. Rajput, & M. Burachevskaja (Eds.), *Sustaining Agriculture: Food Security, Biodiversity and Climate Change* (pp. 77-100). Deepika Book Agency.
6. Aarthi, S., **Raghuveer S.**, Vinu, V., Prasath, D., (2026), Turmeric Botany and Cytogenetics, Prasath D., Aarthi S., and Chittaranjan, K. (eds) In: The Turmeric Genome. CRC Press, Taylor and Francis group, Boca Raton FL. <https://doi.org/10.1201/9781003656913>

#### **Awards/Fellowships/Scholarships:**

1. **Dr. G. S. Randhawa Award** for Outstanding Doctoral Thesis Research in Horticulture for the year 2023-24 for thesis titled "Response of turmeric (*Curcuma longa* L.) genotypes for growth, yield and phytochemicals under controlled-environment production systems" from *Society for promotion of Horticulture*, ICAR-Indian Institute of Horticultural Research, Bengaluru.
2. **Dr. V. S. Korikanthimath Award** for the best Ph.D. thesis for the year 2023 for thesis titled "Response of turmeric (*Curcuma longa* L.) genotypes for growth, yield and phytochemicals under controlled-environment production systems" from *Indian Society for Spices* at ICAR - Indian Institute of Spices Research, Kozhikode, Kerala.
3. **Dr. R Ansari award** for best overall poster presentation for poster titled 'Identification of superior turmeric (*Curcuma longa* L.) genotypes for colour traits through GGE biplot analysis at *International Seminar on Gingers* organized by Malabar Botanical Garden and Institute for Plant Sciences, Kozhikode, India. 2023.
4. **Best Oral Presentation Award** for "Suitability of turmeric (*Curcuma longa* L.) genotypes for controlled environment production in terms of yield and quality" at *International Conference on Precision Horticulture (ICPH)* organised by HCRI, Periyakulam, Tamilnadu Agricultural University, 2024.
5. **Dr. J. S. Pruthi Award** for the **best research paper** entitled "Patterns in genetic variation and character association of yield components in turmeric (*Curcuma longa* L.) published in the *Journal of Spices and Aromatic Crops*.
6. **Best Oral Presentation Award** for "Influence of Genotypes and Contrasting Production Environments on Curcuminoid Analogues and Stability in Turmeric (*Curcuma longa* L.)" at *National Conference on Value Chain Management in Spices and Aromatic Plants for Profit Optimization and Resilience* during 18-19 January, 2025 at Jain Irrigation Systems Limited (JISL), Jalgaon, Maharashtra, India
7. Qualified and appeared in interview for the post of Senior Technical Officer (T-6) conducted by Agricultural Scientist Recruitment Board (ASRB) in Horticulture (Spices, Plantation, Medicinal & Aromatic Plants), 08-03-2022.
8. Qualified ICAR-SRF in horticulture (Spices, Plantation, Medicinal & Aromatic Plants) for Ph.D.2018 at national level.

9. Qualified ICAR-National Eligibility Test (NET) conducted by Agricultural Scientist Recruitment Board (ASRB), in Horticulture (Spices, Plantation, Medicinal & Aromatic Plants). 2018.
10. ICAR-National Talent Scholarship (NTS) in Horticulture (Spices, Plantation, Medicinal & Aromatic Plants) for M.Sc. 2015-17.

**Scientific presentations/peer-reviewed presentations:**

1. **Raghuveer, S., & Reddy, G.C.M.** “Potential of Vetiver Grass- Medicinal as well as Bioremediation” in National Conference on Conservation, Cultivation and Utilization of Medicinal and Aromatic Crops, organized by College of Horticulture, Mudigere, University of Agricultural & Horticultural Sciences, Shivamogga & Directorate of Arecanut and Spices Development (DASD), 25-26<sup>th</sup> 2018.
2. **Raghuveer, S., & Reddy, G.C.M.** “Non-Traditional Products from Kokum: Inland and Global Opportunities for Doubling Farmers Income” in National Seminar on Cultivation, Conservation and Sustainable Utilization of Medicinal Plants for Livelihood Improvement, organized by Department of Forestry, Uttar Banga Krishi Viswavidyakaya, Pundibari, Cooch Behar 736 165, West Bengal. November 20-21, 2019.
3. **Raghuveer, S., & Reddy, G.C.M.** “Breeding for Industrially exploited chillies: Retrospect and Prospects” in National webinar on Approaches toward development of Rural and Agriculture sector in the present scenario, organized by Jawaharlal Nehru Krishi Viswa Vidhyalaya, College of Agriculture, Tikamgarh (MP). May 8-9, 2020.
4. **Raghuveer, S., & Pant, S.C.** “Assessment of Genetic Divergence in Chilli (*Capsicum annum* L. var. *acuminatum*) Genotypes in Mid Hilly Regions of Uttarakhand” in international symposium on Spices as flavours, Fragrances & Functional foods, organized by Indian Society for Spices, Kozhikode, Kerala held at ICAR- Indian Institute of Spices Research, Kozhikode, Kerala. February 9-11, 2021.
5. Reddy, G.C.M., **Raghuveer, S., Yuvaraj, K.M. & Tanuja, S.** “Underutilized Nannari Plant (*Decalepis hamiltoni*) for Health and Nutrition” in National Conference on Underutilized Horticultural Genetic Resources: Conservation and Utilization organized by Andaman Science Association, & ICAR-Central Island Agricultural Research Institute, Port Blair, Department of Biotechnology, Govt. of India, New Delhi, 3-4<sup>th</sup> June, 2022.
6. **Raghuveer, S., Yuvaraj, K. M., Aarthi, S., Srinivasan, V., Krishnamurthy K. S. & Prasath, D.** “Identification of superior turmeric (*Curcuma longa* L.) genotypes for colour traits through GGE biplot analyses” at International Seminar on Gingers organized by Malabar Botanical Garden and Institute for Plant Sciences, Kozhikode. March 1-3, 2023.
7. **Raghuveer, S., Yuvaraj, K. M., Aarthi, S., & Prasath, D.** “Genotype × Environment interaction, stability and selection of trait and environment specific genotypes of turmeric (*Curcuma longa* L.) using GGE, WAAS, LMM-BLUP and MTSI model across three contrasting production environments” in 25th National Symposium on Plantation Crops Building Smart & Resilient Farming and Systems Approaches for Prosperity in Plantation Crops Sector organized by ICAR-Indian Institute of Oil Palm Research, Pedavegi, Andhra Pradesh, December 12-14, 2023.
8. **Raghuveer, S., Prasath, D., Yuvaraj K.M., Aarthi, S., Srinivasan, V. & Krishnamurthy, K.S.** “Suitability of turmeric (*Curcuma longa* L.) genotypes for controlled environment production in terms of yield and quality” in International Conference on Precision Horticulture organized by HCRI, Periyakulam, Tamilnadu Agricultural University, August 22-24, 2024.
9. **Raghuveer, S., Yuvaraj, K. M., Aarthi, S., Sivaranjini, R., & Prasath, D.** “Delineating genotype

- × environment interaction in turmeric (*Curcuma longa* L.) genotypes for essential oil across three contrasting production systems using AMMI, GGE biplot models, and metabolomic profiles” in National Symposium on Spices and Aromatic Crops organized by ICAR-Indian Institute of Spices Research (ICAR-IISR), Kozhikode, Kerala, during January 07-09, 2025.
10. Reddy, G.C.M., Kumar, K.V., Rajeswari, G., **Raghuveer, S.**, Anusha, S., Gladis, B., Chakradhar, P., & Rammohan, Y. “Evaluating the impact of various seed priming agents on germination behaviour of bael (*Aegle marmelos* L.) in National Symposium on Spices and Aromatic Crops organized by ICAR-Indian Institute of Spices Research (ICAR-IISR), Kozhikode, Kerala during January 07-09, 2025.
  11. **Raghuveer, S.**, Yuvaraj, K. M., Aarthi, S., & Prasath, D. “Influence of Genotypes and Contrasting Production Environments on Curcuminoid Analogues and Stability in Turmeric (*Curcuma longa* L.)” in National Conference on Value Chain Management in Spices and Aromatic Plants for Profit Optimization and Resilience organized by Jain Irrigation Systems Limited (JISL), Jalgaon, Maharashtra, India during January 18-19, 2025.

### **Workshop/Invited talks:**

- Delivered an invited talk on “The Role of Plant Breeding in Improving Crop Production and Quality” at Department of Botany, Government College for Women, Thiruvananthapuram on 20.12.2024.
- Conducted a Hands-on Workshop on Reference Management, Research Collaboration & Academic Networking Using Mendeley-Your Smart Research Companion as a resource person jointly organised by Career Development Centre, Dr. YSRHU and college of Horticulture, Anantharajupeta, Andhra Pradesh.

### **Popular Magazine Articles:**

1. **Raghuveer, S.**, & Reddy, G.C.M., (2020) Precision Farming - A New Technological Approach in Agriculture, popular kheti Volume – 8, Issue – 2, April - June, 146-152.
2. Reddy, G.C.M., & **Raghuveer, S.**, (2022) Curry Leaf Production- A boon to farmers in Tropical areas of South India in cultivation of Medicinal & Spice Crop, Agro India, January, 2022, Bengaluru, India, 39-40.
3. Divyabharathi, D., Reddy, G.C.M., **Raghuveer, S.**, & Deepa, B., (2022) Neem-The Wonder Tree, Agro India, November, 2022, Bengaluru, India, 27-28.
4. **Raghuveer, S.**, Muhammad Nissar, V.A., Aarthi S., Gobu R., & Prasath D. (2023) Lesser-known ginger of therapeutic value. Spice India, November, 2023, 4-9.
5. Brahmani, G., **Raghuveer, S.**, Yoshita S.K.S., & Rashmi H., (2024) Empowering horticulture: genome editing (CRISPR-CAS) as a tool for vegetable crop Improvement, AgriGate- An International Multidisciplinary e-Magazine, 4 (3):352-358.
6. Brahmani, G., **Raghuveer, S.**, & Vamsee, S., (2024) Harvesting Hope Pioneering Climate Smart Horticulture, Agro India, April 2024: 18-20.
7. Brahmani, G., **Raghuveer, S.**, & Supriya T.V.N., (2024) Towards financial empowerment. Agriculture Today, May 2024: 56-58.
8. **Raghuveer, S.**, (2024) ‘Flavouring and Healing roots’-An in-depth look into *Decalepis hamiltonii* and *Hemidesmus indicus*. Keralakarshakan-ejournal, September, 2024; 32-36.
9. Brahmani, G., **Raghuveer, S.**, Vasavi, B.R., Yoshita, S.S., Rajashree, A., Mahesha, K.N., Indira, B.L., (2024). Agrivoltaics- A new avenue for sustainable crop production. Keralakarshakan-ejournal, October, 2024; 36-41.

10. Brahmani, G., **Raghuveer, S.**, Indira, B.L., and Reddy, G.C.M., Beyond Decoration-The Culinary Potential of Edible Flowers, Agro India, January 2025: 22-24.

#### **Popular articles (Telugu):**

1. **Raghuveer, S.** and Laxman A. 2017, Lemon grass saagulo melakuvalu- lemon grass saagu paddathulu, Vyavasaya Padipantalu, November, 2017 :31-32
2. **Raghuveer, S.** and Chandra Mohan Reddy G, 2018, Kooragayala Saagulo Avalambhinche athyadhunika naaru pempakam paddathulu. Krishi Jagran. 40-41.
3. **Raghuveer, S.** and Chandra Mohan Reddy G, 2020, Kobbari Saagulo anthara panta ga raithula adhayanni rettimpu cheyadam ela. Raithubandhu, 11(5): 34-35.
4. Chandra Mohan Reddy G, Yuvaraj KM, Tanuja Shivaram G and **Raghuveer, S.** Annato saagu Ananthaku Baagu. Rythunestham, August 2021, 19-20.
5. **Raghuveer, S.**, Chandra Mohan Reddy G and Yuvaraj KM. Pasupu Saagu Paddathulu. Rythunestham, August 2021, 47-48.
6. Divyabharathi D, Chandra Mohan Reddy G, Yuvaraj KM, Tanuja Shivaram G and **Raghuveer, S.** Inti Aushada mokkalu-Aavashyakatha, Upayogaalu, Rythunestham, November 2022, 43-44.
7. **Raghuveer, S.**, Ramana V, Mounica L, Neeraja A, and Brahmani G. Sugandha Dinusula Saagu-Yajamanya Paddathulu. Vyavasaayam, March 2024, 20-22.
8. **Raghuveer, S.**, Neeraja A, and Brahmani G and Chandra Mohan Reddy G. Kobbari Vakka Thotalalo Prathyamnaya Panta gaa- Jaaji Kaaya, Rythu Nestham, May 2024, 23-24.
9. **Raghuveer, S.**, Neeraja A, and Brahmani G and Chandra Mohan Reddy G. Laabhadaayakam ga Nannari Saagu. Eeruvaaka, June 2024, 47-48.
10. **Raghuveer, S.**, Neha T, Tanuja Shivaram G, and Neeraja A, Pudhina Rakaalu mariyu Saagu Paddathulu, Vyavasaayam, October, 2024, 40-42.
11. Vasavi Reddy G and **Raghuveer, S.** Andhra Pradesh lo perige Sugandha Taila, Aushada Pantalu-Saagulo Savallu Parishkaralu, Rythu Nestham, November 2024, 51-52.
12. Mounika L, Ramana V, **Raghuveer, S.**, and Indira G. Udyanavana Pantalalo Yeralu (Traps) yokka Pramukyatha, Vyavasaayam, April 2025, 40-43

#### **Radio talks delivered:**

1. Importance of Soil and Water Testing” for KISANVANI program on 24<sup>th</sup> April 2018 at All India Radio Station, Anantapuramu.
2. “Kitchen Garden-Uses and Management” for KISANVANI program on 18<sup>th</sup> July 2018 at All India Radio Station, Anantapuramu.
3. “Management techniques in coriander cultivation” for KISANVANI program on 14<sup>th</sup> September 2019 at All India Radio Station, Anantapuramu.
4. “Management Techniques in Sweet Orange Lemon Cultivation” for KISANVANI program on 17<sup>th</sup> March, 2020 at All India Radio Station, Anantapuramu.
5. “Dragon fruit Saagulo Yajamanya Paddhatulu” for KISANVANI program on 11<sup>th</sup> September 2021 at All India Radio Station, Anantapuramu.
6. “Mamidilo Adhika Digubadulaku Chepattavalasina Yajamanya Padhatulu” for KISANVANI program on 23<sup>rd</sup> February 2021 at All India Radio Station, Anantapuramu.
7. “Sugandha Dhruvayala Saagu – Yajamanyam” for KISANVANI program on 18<sup>th</sup> November, 2023, at All India Radio Station, Anantapuramu.
8. “Nannari Saagu Mariyu Samrakshana Charyalu” for KISANVANI program on 22<sup>nd</sup> May 2024,

at All India Radio Station, Kadapa.

9. “Chittor & Tirupathi Zillalalo Prathyamanya Pantaluga Sugandha Dinusulu Mariyu Sugandha Taila pantala Pramukyata-Interview for KISANVANI program on 17<sup>nd</sup> May 2025, at All India Radio Station, Tirupathi.
10. “Pasupu Saagulo Poshaka Lopalu, Keetakalu Mariyu Tegulla yokka Yajamanyam” for KISANVANI program on 26<sup>th</sup> September 2025, at All India Radio Station, Tirupathi.

### **Professional Affiliations**

- Life member, Indian Society for Spices, ICAR-IISR Kerala, India since 2023
- Life member, Society for Promotion of Horticulture, ICAR-IIHR, Bengaluru, Karnataka since 2023
- Annual Member, Indian Pomological Society, Tamil Nadu, India since 2024