

## Biodata

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**Designation** : Scientist

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**Higher Degree** : Ph.D. (Post Harvest Technology)

**Birth Date** : 09/07/1985

**Research Interest** : Post-harvest Storage, Processing



## Projects

- Soy fortified functional foods for selected target group
- Development of a demonstration unit for the production of soy butter
- Reduction of Post-harvest losses in onion and garlic
- Devising efficient breeding techniques and Genetic improvement of onion and garlic through conventional breeding and biotechnological approaches
- Integrated water and nutrient management and physiological manipulation for improving productivity of onion and garlic
- Intellectual Property Management and Transfer/Commercialization of Agricultural Technology Scheme (IPMT-CATS), ICAR

## Research Papers

- Thangasamy, A., **Kalyani Gorrepati**, Ahammed Shabeer T. P., Kavita R. Savalekar, Kaushik Banerjee, Sankar, V., Kishor M. Chavan (2017). Comparison of organic and conventional farming for onion yield, biochemical quality, soil organic carbon, and microbial population. Archives of Agronomy and Soil Science. dx.doi.org/10.1080/03650340.2017.1341045.
- Murkute A.A., **Kalyani Gorrepati** (2017). Biochemical alterations in short day onion (*Allium cepa*) varieties under storage. National Academy Science Letters (Accepted).
- **Kalyani Gorrepati**, Thangasamy, A. Yogesh Bhagat and Murkute A. A (2017). Curing of onion: A Review. Indian Horticulture Journal. 7(1): 8-14.
- **Kalyani Gorrepati** and Samuel D.V.K (2016). Effect of addition of carrot powder on physical properties of maize based extruded snack. Bioinfolet. 13(2A): 216-218
- **Kalyani Gorrepati**, S. Balasubramanian, Pitam Chandra (2015). Plant based butters: review. Journal of Food Science and Technology. 52(7): 3965–3976

- Dash SK, Kar A and **Kalyani Gorrepati** (2013). Modified atmosphere packaging of minimally processed fruits and vegetables: Review. Trends in Post Harvest Technology. 1(1): 01-19.

### Technical bulletins/Folders

- Jai Gopal and **Kalyani Gorrepati** (2015). DOGR profile. Extension folder ICAR-DOGR, Rajgurunagar, Pune. pp:12
- **Kalyani Gorrepati**, Vanita Salunkhe and Jai Gopal (2016). Pyas Bhandaran. Extension folder. ICAR-DOGR, Rajgurunagar, Pune. pp: 6.
- **Kalyani Gorrepati**, Khade, Y and Mahajan, V (2017). Kanda sathvan. Extension folder No. 06. ICAR-DOGR, Rajgurunagar, Pune. pp: 6.

### Popular Articles

- **Kalyani Gorrepati** and Deshpande S.S (2012). Functional Food. Udyogprerana. 4(7): 48-50,83.
- Deshpande S.S. and **Kalyani Gorrepati** (2012). Food Fortification. Udyogprerana. 4(7): 40-47.
- **Kalyani Gorrepati**, A.A.Murkute, Jai Gopal (2014). Value added products from onion. Processed Food Industry. 17(6): 16-18.
- Jai Gopal, **Kalyani Gorrepati** and Gupta A.J (2016). प्याज एवं लहसुन अनुसंधान निदेशालय: एक अवलोकन . "कन्दिका" राजभाषा हिन्दी पत्रिका , डी. ओ. जी. आर . PP: 1-8.
- **Kalyani Gorrepati** and Vanita Salunkhe (2016). प्याज का भण्डारण. "कन्दिका" राजभाषा हिन्दी पत्रिका , डी. ओ. जी. आर . PP: 1-8.
- Salunkhe V.N., **Kalyani Gorrepati** and Mahajan V. (2017). Kanda sathvanukitil rog va tyanche vyavsthapan. Shetkari, February, 2017, pp 27-28.

### Books/Books Chapter

- Murkute AA and **Kalyani Gorrepati** (2015). Post harvest management and processing. **In:** The Onion. (Eds. Kumar NKK, Gopal J, Parthasarathy VA). ICAR-Directorate of Knowledge Management in Agriculture, Indian Council of Agricultural Research, New Delhi. Pp: 247-271.
- Kalyani Gorrepati (2013). Packaging of value added products from soybean and millets. **In:** Processing and value addition of soybean and course cereals, pp. 171-178.
- Kalyani Gorrepati (2014). Value addition of onion and garlic. **In:** Compendium of model training course on 'Production technology in onion and garlic' Edited by Gopal J and Gadge SS. DOGR, Rajgurunagar, pp. 80-86.

### Research Abstracts

- **Kalyani Gorrepati**, Murkute A.A, Yogesh Bhagat (2016). Post harvest losses in different varieties of onion. Paper presented by Yogesh Bhagat in 2<sup>nd</sup> National symposium on Edible *Alliums*: Challenges and future strategies for sustainable production at Jalna, Maharashtra during 7-9 Nov 2016.

- **Kalyani Gorrepati** and Thangasamy A (2016). Direct Seeding in onion. Abstract in Mahajan in 2<sup>nd</sup> National symposium on Edible *Alliums*: Challenges and future strategies for sustainable production at Jalna, Maharashtra during 7-9 Nov 2016.
- Vijay Mahajan, **Kalyani Gorrepati**, Gupta A.J., Pallavi Pingle (2016). Evaluation of wild underutilized *Allium* species for foliage palatability and year round availability. Poster presentation by Vijaya Mahajan in 2<sup>nd</sup> National symposium on Edible *Alliums*: Challenges and future strategies for sustainable production at Jalna, Maharashtra during 7-9 Nov 2016.
- Thangasamy A, **Kalyani Gorrepati**, Shabeer Ahamed, Kavita R. Savalekar, Kaushik Banerjee, T.P. Sankar and Kishore M. Chavan (2016). Comparison of organic farming with conventional farming for production and quality of onion. Poster presentation by Thangasamy A. in 2<sup>nd</sup> National symposium on Edible *Alliums*: Challenges and future strategies for sustainable production at Jalna, Maharashtra during 7-9 Nov 2016.
- Thangasamy, A. and **Kayani Gorrepati** (2016). Organic farming for improved onion quality and sustainable soil health. International Seminar on Emerging Trends in Organic Farming and Sustainable Agriculture held at Mahatma Gandhi University, Kottayam from December 29-31, 2016. Page 22-23