

Research Center , Ranchi

Personal Details



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Scientist

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Research Interest

Improvement of vegetable crops, biotic stress resistance breeding, bioinformatics, tissue culture

Research Highlights

- Dolichos bean genetic stock developed through hybridization approach
- Improvement of French bean for virus resistance
- Refinement of protocol for micropropagation of minor cucurbits

Memberships / Fellowships

- Indian Society of Vegetable Science, Varanasi, India
- Indian Academy of Horticultural Sciences, New Delhi, India

Technology Developed

- Protein rich dolichos bean variety ArkaNeelachal Pushti
- Developed and refined protocol for micro propagation of Ivy gourd, teasel gourd and pointed gourd

Publication Details

1. Satyaprakash Barik, Naresh Ponnamp, Acharya G C, Sandeep V, Singh T. H., **Meenu Kumari**, Srinivas P., SahuGouri Shankar (2021). Genetic analysis of bacterial wilt resistance in eggplant (*Solanum melongena* L.). *European Journal of Plant Pathology*. <https://doi.org/10.1007/s10658-021-02248-1>
2. Acharya G.C., P Naresh, **Kumari M.**, Roy T.K., Shivshankara KS and Sahoo MR (2021). Phytochemical profiling of spiny coriander (*Eryngium Foetidum* L.)- A potential perennialspicing-culinary herb of eastern India. *Acta Chromatographica*[10.1556/1326.2021.00909](https://doi.org/10.1556/1326.2021.00909)
3. Dilip Kumar das, Naresh Ponnamp, Sandeep V, Anand C Reddy, Acharya G C, **Meenu Kumari** and Pradhan S K (2021). Microsatellites mining in Capsicum genomes and development of SSR MARKERS IN *Capsicum baccatum*. *Vegetable Science*.
4. **Kumari, M.**, Acharya, G.C., Naresh, P. Bhanja P. K. and Kumar Y. (2020). *Solenaamplexicaullis*(Lam.) Gandhi: an underutilized cucurbit in India. *Genet Resour Crop Evol.* 68 (79-85).[10.1007/s10722-020-01043-x](https://doi.org/10.1007/s10722-020-01043-x)

5. GS Naveena, V Sandeep, Naresh Ponnamp, **Meenu Kumari**, GC Acharya, P Srinivas, G Sangeetha and GS Sahu (2020). Genetic analysis of bacterial wilt resistance in hot pepper (*Capsicum annuum* L.) *Vegetable Science*. 47(1): 153-156
6. Satyaprakash Barik, Anand C. Reddy, Naresh Ponnamp, **Meenu Kumari**, Acharya G. C, Lakshmana Reddy D C, Srinivas Petikam, Sahu Gs (2020). Breeding for bacterial wilt resistance in eggplant (*Solanum melongena* L.): Progress and prospects. *Crop Protection*, Volume 137, 105270, ISSN 0261-2194, <https://doi.org/10.1016/j.cropro.2020.105270>.
7. S. Barik, L. Dash, M. P. Das, T. Panigrahi, P. Naresh, **M. Kumari**, G S Sahu and G C Acharya (2020). Screening of brinjal (*Solanum melongena* L.) genotypes for resistance to spotted beetle, (*Henosepilachna vigintioctopunctata*). *Journal of Entomology and Zoology Studies*. 8(2): 297-302
8. P. Naresh, **Kumari, Meenu**, Acharya, G. C., Anand, C. R., Lakshman, R.D.C. (2019) Genetics and molecular markers for resistance to major soil borne pathogens in chilli (*Capsicum annuum* L.). *Research Journal of Biotechnology* . 14(1): 101-105
9. **Kumari Meenu** and Verma Pooja (2019). Genome-wide identification and characterization of the mildew resistance locus O (*MLO*) gene in *Solanum melongena* and *Capsicum annuum*. *Research Journal of Biotechnology*. 14(7): 94-110
10. Annu Kumari, **Meenu Kumari**, P Tripathy, GS Sahu, P Naresh and GC Acharya. (2019). Genetic divergence analysis in dolichos bean (*Dolichos lablab* L var. *typicus*). *International journal of Chemical studies*. 7(4):310-313
11. Wankhede DP, **Kumari Meenu**, Tambi R, J Aravind and Rajkumar S (2017). Genome wide identification and characterization of Calcium Dependent Protein Kinase gene family in *Cajanus cajan*. *Journal of Environmental Biology*. 38(1): 167-177.
12. **Kumari, M.**, Wankhede, D. P., Verma, M. and Verma P. (2017). Genome wide identification of calcium dependent protein kinase and related kinase gene families in *Solanum melongena* L. *Indian Journal of Horticulture*. 74(4): 526-532.
13. **Meenu Kumari**, TK Behera, AD Munshi and A Talukdar. (2015). Inheritance of fruit traits and generation mean analysis for estimation of horticultural traits in bitter gourd. *Indian Journal of Horticulture*. 72(1): 43-48.
14. **Meenu Kumari**, SP Uniyal and M Uniyal (2012). Evaluation of different potato based cropping sequences under rainfed mid hill conditions of Uttarakhand. *Journal of Hill Agriculture* 3(2): 95-98.