

Personal Details



Dr. Mahesh Kumar Dhakar
Scientist (Fruit Science)

Address : ICAR RCER, RESEARCH CENTRE, PLANDU, P.O.-
RAJLAULATU, RANCHI- 834 010 (JHARKHAND)

Email-ID: maresh2iari@gmail.com

Research Interest

- Fruit based production systems under rainfed conditions
- Genetic resource management of fruit crops
- Canopy management in fruit crops
- Propagation of fruit crops

Research Highlights

- Standardized the irrigation and fertigation scheduling through low cost drip irrigation system in pomegranate.
- Evaluated different nitrogen sources and nitrification inhibitors to minimize the nitrate leaching in kinnow mandarin.
- Standardizing the grafting technique in litchi.

Memberships / Fellowships

Life member of Horticultural Society of India

Technology Developed

Publication Details

A. Research/Review papers

1. **Dhakar, M.K.**, Singh, A.K., Patel, V.B., Singh, S.K., Datta, S.P., Kumar, R. and Khanna, M., 2015. Effect of different nitrogen sources and nitrification inhibitors on soil nitrogen distribution in Kinnow orchard. *Indian Journal of Horticulture*, 72(2), pp.178-182.
2. Haneef, M., Kaushik, R.A., Sarolia, D.K., Mordia, A. and **Dhakar, M.**, 2014. Irrigation scheduling and fertigation in pomegranate cv. bhagwa under high density planting system. *Indian Journal of Horticulture*, 71(1), pp.45-48.
3. Sharma, B.B., Sharma, V.K., **Dhakar, M.K.** and Punetha, S., 2013. Combining ability and gene action studies for horticultural traits in garden pea: A review. *African Journal of Agricultural Research*, 8(38), pp.4718-4725.
4. **Dhakar, M.K.**, Kaushik, R.A., Sarolia, D. and Bana, M.L., 2010. Effect of fertigation using low cost drip irrigation system on physicochemical characteristics in pomegranate cv. Bhagwa. *Indian Journal of Horticulture*, 67(4), pp.432-435.
5. Bana, M.L., Kaushik, R.A., Bana, R.S. and **Dhakar, M.K.**, Integrated weed management in cauliflower cv.'Pusa Snowball K-1'. *Annals of Agricultural Research*, 33(3).
6. **Dhakar, M.K.**, Kaushik, R.A., Sarolia, D. and Bana, M.L., 2010. Effect of fertigation using low cost drip irrigation system on physicochemical characteristics in pomegranate cv. Bhagwa. *Indian Journal of Horticulture*, 67(4), pp.432-435.

B. Book chapters

1. **Dhakar, M.K.**, Sarolia, D.K., Soni, A.K. and Meena, C.P. 2015. Pilu (*Salvadora oleoides*). In: S.N. Ghosh (ed). Breeding of Underutilized Fruit Crops Part II. Narendra Publishing House. pp 413-423.
2. **Dhakar, M.K.**, Sarolia, D.K., Kaushik, R.A., Kumawat, K.L., Singh, S. and Singh, A.K. 2015. Mahua (*Madhuca longifolia* (Koenig) J.F. Macbride). In: S.N. Ghosh (ed). Breeding of Underutilized Fruit Crops Part II. Narendra Publishing House. pp 305-325.
3. K.L. Kumawat, D.K. Sarolia, V. Singh and **M.K. Dhakar**. 2015. Timroo (*Diospyros melanoxylon* Roxb.). In: S.N. Ghosh (ed). Breeding of Underutilized Fruit Crops Part II. Narendra Publishing House. pp 507-518.

C. Popular articles

1. **Dhakar, M.K.**, Sharma, B.B., Bana, R.S. and Singh. M. 2014. *Anar ke paudhe taiyar karne ke liye unnat pravardhan takneek. Prasar Doot.* 18 (1): 39-40.
2. **Dhakar, M.K.**, Das, B. and Sarkar, P.K. 2014. *Anar ki adhunik kheti. Akshay Kheti.* 1(2): 52-56.
3. Sharma, B.B. and **Dhakar, M.K.** 2103. Production Technology of Potato Using True Potato Seed. *Popular Kheti.* 1 (2): 71-74.
4. **Dhakar, M.K.**, Sharma, B.B. and Prajapat, K. 2013. Fruit Crop-Based Cropping System: A Key for Sustainable Production. *Popular Kheti.* 1 (2): 39-44.
5. Kundu, M., **Dhakar, M.K.** and Joshi, R. 2013. Physiological Disorders: A Big Barrier to Mango Growers in India. *Popular Kheti.* 1 (3): 14-19.
6. **Dhakar, M.K.**, Verma, M.K., Dev, R. and Bana, M.L. 2012. *Nimboo vargiy phalo me sushm tatvo ke parniy chhidkav ke tarike va labh. Khad Patrika.* 53(8): 19-22.
7. **Dhakar, M.K.**, Bana, M.L. and Sharma, B.B. 2012. Partial root-zone drying in fruit crops. *Agrobios News Letter.* 11 (7): 47-48.
8. Sharma, B.B. and **Dhakar, M.K.** 2012. True potato seed (TPS): A revolution in potato cultivation in North-Eastern states of India. *Kurukshetra.* 61(1): 24-26.
9. Sharma, B.B., **Dhakar, M.K.** and Bana, M.L. 2012. Role of 'Omics' in crop improvement. *Agrobios News Letter.* 11 (7): 13-14.
10. Sharma, B.B. and **Dhakar, M.K.** 2012. Production technology of brinjal for Indian farmer. <http://www.krishisewa.com/cms/articles/production-technology/117-brinjal-ipm.html>