

RESUME

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Qualification	Ph. D.
Area of Interest/Specialization	Horticulture (Vegetable Breeding)
Total Experience	21 years
International Collaboration/Consultancy	Indo-Australian project “Crop plants which remove their own biotic constraints” from 2012-2017
Best Peer Reviewed Publications (up to 5)	<ol style="list-style-type: none"> 1. Rao Gangadhara P., T. K.Behera, Ambika B. Gaikwad, A. D.Munshi, Gograj Singh Jat and Boopalakrishnan G. (2018). Mapping and QTL analysis of gynoecey and earliness in bitter gourd (<i>Momordicacharantia</i> L.) using genotyping-by-sequencing (GBS) technology. <i>Frontiers in Plant Science</i>, 9: 1555 2. Kailiang Bo, Hui Wang, Yupeng Pan, T. K Behera, S. Pandey, C. Wen, Y. Wang, P. W Simon, Y. Li, J. Chen, Y. Weng(2016). SHORT HYPOCOTYL 1 Encodes a SMARCA3-like chromatin remodeling factor regulating elongation. <i>Plant Physiology</i> 172: 1273–1292 3. Sen Li, Y. Pan, C. Wen, Y. Li, X. Liu, X. Zhang, T. K Behera, G. Xing, Y. Weng (2016). Integrated analysis in bi-parental and natural populations reveals CsCLAVATA3 (CsCLV3) underlying carpel number variations in cucumber. <i>TheorAppl Genet</i> 129:1007–1022 4. Behera, T. K., S. S.Dey, A. D.Munshi, Ambika B. Gaikwad, Anand Pal and Iqbal Singh (2009). Sex inheritance and development of gynoeceious hybrids in bitter gourd (<i>Momordicacharantia</i> L.). <i>Scientia Horticulturae</i> 120: 130-133. 5. Behera, T. K., Ambika B. Gaikward, A. K. Singh and J. E. Staub (2008). Relative efficiency of DNA markers (RAPD, ISSR and AFLP) in detecting genetic diversity of bitter gourd (<i>Momordicacharantia</i> L.). <i>Journal of the Science of Food and Agriculture</i> 88: 733-737.

<p>Best Peer Reviewed Journals/Books (up to 3)</p>	<p>Books</p> <p>1. Cucurbits; Genetics, Genomics and Breeding in Crop Plants Editors: Yi-Hong Wang, T.K. Behera and C. Kole CRC Press/ Science Publishers Inc.: Enfield, New Hampshire, USA Number of Pages: 425</p> <p>2. Doubling Farmers Income through Horticulture. Editors: Chadha, K. L., S. K. Singh. P Kalia, W. S. Dhillon, T. K. Behera and Jai Prakash (2017). Astral International Pvt. Ltd. New Delhi, pp x+950, ISBN 978-93-5124-828-6</p> <p>Review article</p> <p>3. Saurabh Singh, SS Dey, Reeta Bhatia, Raj Kumar, TK Behera (2019). Current understanding of male sterility systems in vegetable Brassicas and their exploitation in hybrid breeding. Plant Reproduction, doi.org/10.1007/s0049.</p>
<p>Patent (if any)</p>	<p>NIL</p>