	List of RESEARCH PAPERS (2014-15 to 19-20)	Year
1	Singh B, Sharma J, Sood S, Dalamu, Kardile HB, Kumar A, Goutam U, Bhardwaj V (2020) Genetic variability for micronutrient content in andigena potato genotypes. *Plant Cell Biotechnology and Molecular Biology* 21(3&4): 1-10.	2020
2	Naga KC, Buckseth T, Subhash S, Bairwa A, Verma G, Kumar R, Malik K, Sharma S and Chakrabarti SK (2020) Transmission efficiency of *potato leafroll virus* (PLRV) by potato aphid *Aulacorthum solani* and green peach aphid *Myzus persicae* . Indian Journal of Entomology, 81 (4):68-71.	2020
3	Tiwari JK, Zinta Rasna, Kumar Vinod, Singh Rajesh K., Rawat Shashi and Chakrabarti SK (2020) Development of simple sequence repeats (SSRs) markers for identification of wild species and somatic hybrids of potato. *Indian J. Hort* . 77(1), March 2020: 112-115.	2020
4	Bairwa Aarti, Venkatsalam E. P., Jeevlatha A., Priyank, H. M., Buckseth Tanuja, Jenifer, A., Sharma S, **Singh R. K.,** and Chakrabarti S. K., (2020 Morphological and molecular characterization of potato cyst nematode population from The Nilgiri**.** *Indian Journal of Agricultural Sciences* 90 (2) 273-8.	2020
5	Buckseth Tanuja, Singh **R. K*.,** Tiwari J K., Sharma A K., Singh, S., and Chakrabarti S. K.. (2020) A novel sustainable aeroponic system for healthy seed Production in India-an update. *Indian Journal of Agricultural Sciences* 90 (2) 243-8.	2020
6	Sadavarti M. J., Samadhya R. K., **Singh R. K***., Singh S. P., Buckseth Tanuja, Rawal Sanjay, Subhsh Katare, Roy S., and Chakrabarti S. K. (2020) Standardization of agro-techniques for aeroponic potato (*Solanum tuberosum* L.) minitubers under generation. *Indian Journal of Agricultural Sciences* 90 (3) 616-20.	2020
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8	Tiwari JK, Devi S, Buckesth T, Ali N, Singh RK, Zinta R, Dua VK, Chakrabarti SK (2020) Precision phenotyping of contrasting potato (Solanum tuberosum L.) varieties in a novel aeroponics system for improving nitrogen use efficiency: in search of key traits and genes. Journal of Integrative Agriculture 19: 51-61	2020
9	Azizi AF, Sethi S, Joshi A, Singh AM, Raigond P, Singh MK, Yadav RK (2020) Biochemical and functional attributes of raw and boiled potato flesh and peel powders for suitability in food applications. Journal of Food Science and Technology. doi.org/10.1007/s13197-020-04424-3.	2020
10	Tiwari, A., Sharma, D., Sood, S., Jaiswal, J.P., Pachauri, S.P., Ramteke, P.W. and Kumar A. (2020) Genome-wide association mapping for seed protein content in finger millet (Eleusine coracana) global collection through genotyping by sequencing. Journal of Cereal Science 91: https://doi.org/10.1016/j.jcs.2019.102888	2020
11	Singh A, Raigond P, Lal MK, Singh B, Thakur N, Changan SS, Kumar D, Dutt S (2020) Effect of cooking methods on glycemic index and in vitro bioaccesibility of potato (*Solanum tuberosum* L.) carbohydrates. LWT-Food Science and Technology. 127: 109363	2020
12	Tiwari JK, Buckseth T, Zinta R, Saraswati A, Singh RK, Rawat S, Dua VK, Chakrabarti SK (2020) Transcriptome analysis of potato shoot, root and stolen under nitrogen stress. *Scientific Reports* 10:1152.	2020
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14	B Nare, Tewari VK, Chandel AK, Kumar SP, Chethan CR (2019) A mechatronically integrated autonomous seed material generation system for sugarcane: A crop of industrial significance Industrial Crops and Products 128, 1-12	2019
15	Clarissa Challam, Kardile HB, Lyngdoh LC, Sharma NK, Kumar NN, Bag TK (2019) Genotypic Diversity in Aeroponics Based Mini-Tubers Production System Reveals High Photo-Assimilates Partition Capacity of Kufri Kanchan. *Jour Pl Sci Res* 35 (1) 56-67.	2019
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18	Jagdev Sharma, VK Dua Dipak Kumar and Vineeta Sharma. 2019. Evaluation of colemanite as a slow release source of boron for potato. *Journal of Environmental Biology* . 40(2):240-244.	2019
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23	Pinky Raigond, Vinay Sagar, Tanuja Mishra, Asha Thakur, Brajesh Singh, Vinod Kumar, VijaiKishor Gupta,SomDutt, Sushil SudhakarChangan (2019) Chitosan: a Safe Alternative to Synthetic Fungicides to Manage Dry Rot in Stored Potatoes.Potato Research. 1-7.	2019
24	Pradel Willy, Marcel Gatto, Guy Hareau, S.K. Pandey, Vinay Bhardwaj and Mohinder Kadian. 2019. Adoption of potato varieties and their role for climate change adaptation in India. *Climate Risk Management* 23: 114-123 https://doi.org/10.1016/j.crm.2019.01.001	2019
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30	A Sharma, ArunKumar, R., Sood S., Khulbe, R.K., Agrawal, P.K. and Bhatt, J.C. (2018). Evaluation of nutraceutical properties of finger millet genotypes from mid hills of North Western Himalayan region of India. *Indian Journal of Experimental Biology* 56: 39-47.	2018
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36	Ashiv Mehta, Pinky Raigond, SomDutt, Vinod Kumar and Brajesh Singh. 2018. Effect of maturity dates on processing attributes of potato varieties under north-western Indian plains. Potato Journal 45(1): 59-68.	2018
37	Ashwani Kumar Sharma, RK Singh and Tanuja Buckseth. 2018. Effect of seed tuber desprouting on subsequent sprouting pattern and production behavior of potato (*Solanum tuberosum*) cultivars. *Indian J Agri. Sci.* 88 (5): 698-703.	2018
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45	CR Chethan, Tewari VK, Nare B, Kumar SP (2018) Transducers for Measurement of Draft and Torque of Tractor-implement System—A Review Agricultural Mechanization in Asia, Africa and Latin America 49 (4), 82.	2018
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52	Garima Tomar, S.K.Chakrabarti, NityaNand Sharma, A. Jeevalatha, S. Sundaresha*, Kanika Vyas, WamikAzmi (2018). RNAi based transgene conferred extreme resistance to the geminivirus causing apical leaf curl disease in potato. *Plant Biotechnology Reports.* doi: 10.1007/s11816-018-0485-8.	2018

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