

List of publications of Dr. Dinesh Kumar

1. **Kumar, Dinesh** and Batra, V.I.P. (1994) Exceptionally high activity of glutamate pyruvate transaminase in developing endosperm of mutant barley. *Nat. Acad. Sci. Letters* **17**:203-205.
2. **Kumar, Dinesh** and Batra, V.I.P. (1997) Enzymes of glutamate metabolism in developing endosperm of high and low protein barley. *Crop Improv.* **24**: 109-112.
3. Gaur, P.C.; Singh, S V; Pandey, S K; Marwaha, R S; Kumar, D and **Kumar, Dinesh** (1999) Kufri Chipsona-2 A new high dry matter potato variety for chipping. *Current Science* **76** (6): 722-724.
4. **Kumar, Dinesh** and Batra, V.I.P. (1999) Protein and free amino acids in developing pericarp and endosperm of low and high protein barley. *Crop Improv.* **26**: 241-244.
5. **Kumar, Dinesh**; Ezekiel, R and Khurana S M Paul (2003) Effect of location, season and cultivar on the processing quality of potatoes. *J. Indian Potato Assoc.* **30** (3 & 4): 247-251.
6. **Kumar, Dinesh**; Singh, S V and Pandey, S.K. (2003) Chemical maturity in potato processing cultivars grown in western Uttar Pradesh. *J. Indian Potato Assoc.* **30** (3 & 4): 225-232.
7. **Kumar, Dinesh**; Singh, B.P and Kumar, P. (2004). An overview of the factors affecting sugar content of potatoes. *Annals of Applied Biology* **145** (3): 247-256.
8. **Kumar, Dinesh** and Batra, V.I.P. (2004) Protein and free amino acids in lemmae of barley genotypes differing in grain protein content. *Proceedings of National Academy of Sciences, India.* **74** (B III & IV): 253-256.
9. **Kumar, Dinesh** and Ezekiel, R. (2004) Distribution of dry matter and sugars within a tuber of potato cultivars grown under short day conditions. *Potato Journal* **31** (3 & 4): 129-134.

10. **Kumar, Dinesh**; Paul, V and Ezekiel, R. (2005) Chipping quality of potatoes stored in heaps and pits in subtropical plains of India. *Horticultural Science (Prague)*. **32** (1): 23-30.
11. **Kumar, Dinesh**; Ezekiel, R; Singh, B and Ahmed, I. (2005) Conversion table for specific gravity, dry matter and starch content from under water weight of potatoes grown in north-Indian plains. *Potato Journal* **32** (1-2): 79-84.
12. **Kumar, Dinesh** and Ezekiel, R. (2005) Changes in sugar content and processing quality of potatoes during storage and reconditioning. *Journal of Food Science and Technology* **42** (5): 400-404.
13. **Kumar, Dinesh** and Ezekiel, R (2006) Effect of physiological and biochemical attributes of potato cultivars Kufri Lauvkar and Atlantic on their chipping quality. *Potato Journal* **33** (1-2): 50-55.
14. **Kumar, Dinesh** and Ezekiel, R. (2006) Developmental changes in sugars and dry matter content of potato tuber under sub-tropical climates. *Scientia Horticulturae* **110**: 129-134.
15. **Kumar, Dinesh** and Ezekiel, R. (2006) Heap storage-An economical and environmentally friendly technology for storing chipping potatoes under sub-tropical climate. *Journal of Food Science and Technology* **43** (5): 555-557.
16. **Kumar, Dinesh**; Singh, S.V; Pandey, S.K; Marwaha, R.S; Singh, B.P and Kumar, Parveen (2007) Processing potential of advanced potato hybrids stored at intermediate temperatures with CIPC. *Indian Journal of Horticulture* **64** (3): 324-327.
17. **Kumar, Dinesh**, Singh, S.V., Pandey, S.K., Singh, B.P and Rawal, S. 2007. Effect of growing season on chipping quality of potatoes under sub-tropical climates. *Potato Journal* **34** (3-4): 180-186.
18. Kumar, P., Pandey, S.K., Singh, B.P., Singh, S.V and **Kumar, Dinesh**. 2007. Influence of Source and Time of Potassium Application on Potato Growth, Yield, Economics and Crisp Quality. *Potato Research* **50** (1): 1-13.

19. Kumar, P., Pandey, S.K., Singh, B.P., Singh, S.V and **Kumar, Dinesh**. 2007. Effect of nitrogen rate on growth, yield, economics and crisp quality of Indian potato processing cultivars. *Potato Research*, **50** (2): 143-155.
20. Ezekiel, R., Singh, B., **Kumar, Dinesh** and Kumar, A. 2008. Effect of growing location on the processing quality of two potato cultivars stored at low temperature. *Indian Journal of Horticulture*, **65** (1): 52-59.
21. **Kumar, Dinesh**. 2009. Changes in antioxidant system of potato tuber during low temperature storage in relation to sweetening development. *Journal of Food Science & Technology*, **46** (4): 392-394.
22. **Kumar, Dinesh** and Ezekiel, R. 2009. Changes in glycoalkaloids and phenolic contents in potato tubers stored under different conditions. *Journal of Food Science & Technology*, **46** (5): 480-483.
23. Marwaha, R.S; Pandey, S.K; **Kumar, Dinesh**; Singh, S.V and Kumar, P. (2010) Potato processing scenario in India: Industrial constraints, future projections, challenges ahead and remedies – A review. *Journal of Food Science and Technology* **47** (2): 137-156.
24. **Kumar, Dinesh** (2011) Cold induced sweetening development in Indian potato (*Solanum tuberosum* L.) varieties. *Indian Journal of Biochemistry and Biophysics* **48**: 123-127.
25. **Kumar Dinesh**, S Narwal, RPS Verma, AS Kharub, V Kumar and I Sharma. 2012. Genotypic variability in β -glucan and crude protein contents in barley genotypes. *Journal of Wheat Research* **4** (2): 61-68.
26. Kharub AS, **Dinesh Kumar**, RPS Verma and V Kumar. 2012. Effect of irrigation and varieties on productivity and quality of barley. *Journal of Wheat Research* **4** (2): 58-60.
27. Verma RPS, B Sarkar, AS Kharub, **D Kumar**, R Selvakumar, S Narwal, V Kumar and I Sharma. 2012. Notification of crop varieties and registration of germplasm, Barley variety DWRB 73. *Indian Journal of Genetics & Plant Breeding*. **72** (3): 400.

28. Verma RPS, B Sarkar, AS Kharub, **D Kumar**, R Selvakumar, V Kumar and I Sharma. 2012. Notification of crop varieties and registration of germplasm, Barley variety DWRUB 64 for late sown conditions. *Indian Journal of Genetics & Plant Breeding*. **72 (3)**: 400-401.