

List of publications from Dr.RPS Verma

I. Research Paper(s) published / communicated in research journals:

1. Verma, R.P.S., B. Sarkar, A.S. 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 J. Genet*, 72 (3): 400.
2. Verma, R.P.S., B. Sarkar, A.S. 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 J. Genet*, 72 (3): 400-401.
3. Verma, R.P.S. D.P. Singh, R. Selvakumar, R. Chand, V.K. Singh and A.K. Singh.2013. Resistance to Spot Blotch in Barley Germplasm. *Indian J. Plant Genet. Resour.* (In press).
4. Selvakumar, R., Verma, R.P.S., Madhu Meeta, Javed Baher, Kalappanawar, I.K., Singh, S.P, Karwasra, S.S. and Indu Sharma (2012) Multilocation validation of integrated pest management modules in barley. *Pl. Dis. Res.* 26(2):184
5. Lakshmi Kant, R.P.S., Verma, HS Gupta, PK Agarwal and JC Bhatt. 2012. Malt Quality Evaluation of Exotic Barley Germplasm Grown in Northern Hills: A Non-Traditional Malt Area. *Indian J. Plant Genet. Resour.* 25(3): 246–250 (2012).
6. R Selvakumar, R.P.S. Verma, B Sarkar, M S Saharan, S P Singh, S S Karwasra, J Kumar, S S Vaish, A S Kharub, D Kumar, V Kumar and I Sharma. 2012. Genotypes and environment interaction in response to *Bipolaris sorokiniana* causing leaf blight in barley. *Journal of Wheat Research*, 4(1): 70-73.
7. R. Selvakumar, R.P.S. Verma, M. S. Saharan¹, S.C. Bhardwaj, P.S. Shekhawat, Madhu Meeta, Dhanbir Singh, Rakesh Devlash, S. S. Karwasra, S.K. Jain and Indu Sharma.2013. Identification of Resistance Sources to Barley Yellow Rust (*Puccinia striiformis f. sp. hordei*) in India. *Indian J. Plant Genet. Resour*, (In press).
8. Selvakumar, R., Verma, R.P.S., Saharan,MS., Shekhawat, PS., Madhu Meeta Jindal, Dhanbir Singh, Rakesh Devlash, Karwasra, SS., Jain, SK., Kalappanawar, IK., Javed Bahar Khan and Indu Sharma (2012). Identification of sources of adult plant rusts resistance amongst Indian barley genotypes. In: Sandhu,SK et al (eds) proc. International Conference on Sustainable Agriculture for Food and Livelihood Security, November 27-29, 2012, Ludhiana, India: *Crop Improvement*, 39, 1059-1060.
9. Kumar Dinesh, S Narwal, R.P.S., 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.
10. Kharub AS, Dinesh Kumar, R.P.S., Verma and V Kumar. 2012. Effect of irrigation and varieties on productivity and quality of barley. *Journal of Wheat Research* 4 (2): 58-60.

II. Technical / Popular articles

1. Verma R.P.S., AS Kharub, D Kumar, B Sarkar, R Selvakumar and Indu Sharma. 2012. New late-sown malt-barley cultivars. *ICAR News* 18 (3):14.
2. Verma R.P.S., V Kumar, AS Kharub, D Kumar. 2012. Utilization of DWR off-season nursery in barley improvement. *Wheat Summer Nursery e-Newsletter*. Vol.1 (No. 2): 3pp.
3. Verma, RPS, B Sarkar, AS Kharub, D Kumar, R Selvakumar, V Kumar and I Sharma. 2012. DWRUB 64: Late sown malt barley for NWPZ. *Wheat & Barley Newsletter*, Vol. 6 (1), pp 6.
4. AS Kharub, RPS Verma, Vishnu Kumar, Dinesh Kumar, PK Gupta, M Shrimali, Rajesh Kumar. 2012. Nitrogen management for barley in problematic soils. *Wheat & Barley Newsletter*, Vol. 6 (1),pp 7.
5. Vishnu Kumar, Raj Kumar, RPS Verma, AS Kharub, Dinesh Kumar, R Selvakumar and I Sharma. 2012. Breeder seed production of popular barley varieties. *Wheat & Barley Newsletter*, Vol. 6 (1), 8-9.
6. Kumar V, R.P.S., Verma, AS Kharub, D Kumar and I Sharma. 2012. Jau ki unnat kisme (Hindi). जौ की उन्नत किस्मे. *Gehun Evam Jau Sandesh* (गेहूं एवं जौ सन्देश), Vol. 1: 3pp.
7. Kumar V, AS Kharub, R.P.S., Verma, D Kumar and I Sharma 2012. Malt jaun ke liye unnat utpadan taknike (Hindi) माल्ट जौ के लिए उन्नत उत्पादन तकनीके. *Gehun Evam Jau Sandesh* (गेहूं एवं जौ सन्देश), Vol. 1: 4pp.
8. Singh, M., Harika, A.S., and Vema, R.P.S. 2013. चारे का अच्छा स्रोत : द्विप्योगी जौ, स्मारिका , (Chare ka achha srotra : Dvipyogi Jau, Smarika. NDRI, Karnal. Pp. 62-65.
9. Kumar V, Verma, R.P.S., AS Kharub, D Kumar, B Sarkar and R Selvakumar. 2012. Barley varieties for farmers of different states. www.krishisewa.com/cms/varieties/9-cereal-crop/1-barley.html
10. Kumar V, Verma, R.P.S., AS Kharub, D Kumar, B Sarkar and R Selvakumar. 2012. Post harvest management in barley. www.krishisewa.com/cms/articles/33.../32-barley_postharvest.html

11. Kharub AS, R.P.S., Verma, D Kumar, B Sarkar, R Selvakumar and V Kumar. 2012. Production technology of malt barley for better rural livelihood. www.krishisewa.com/cms/articles/21.../4-barley_cultivation.html
12. Kharub AS, Verma, R.P.S., D Kumar, B Sarkar, R Selvakumar and V Kumar. 2012. Dual purpose barley: Boon for farmers of dry areas. www.krishisewa.com/cms/varieties/.../38-barley-fodder-varietes.html
13. Verma R.P.S., V Kumar, B Sarkar, AS Kharub, D Kumar, R Selvakumar and I Sharma. 2012. Late sown malt barley varieties for north western plains. www.krishisewa.com/cms/varieties/9.../52-malt-barley-varietes.html

III. Books Chapters / technical bulletins / Manuals

Book Chapter

1. Sarkar B., Roy B., Kharub A.S., Selvakumar R., Kumar D., **Verma R.P.S.**, Sharma I. 2013. Barley (*Hordeum vulgare* L.). In: Breeding, Biotechnology and Seed Production of Field Crops. Roy, Bidhan, Asit K. Basu & Asit B. Mandal. New India Publishing Agency (NIPA). New Delhi, India. P.638.

Bulletins/ Leaflets and Compendiums

1. Verma R.P.S., V Kumar, B Sarkar, AS Kharub, D Kumar, R Selvakumar, R Malik and I Sharma. 2012. *Barley Cultivars Released in India: Names, Parentages, Origins and Adaptations*. Directorate of Wheat Research, Karnal, India. *Research Bulletin No. 29*: 26 p.
2. Kharub AS, R.P.S., Verma, D Kumar, B Sarkar, R Selvakumar, V Kumar and I Sharma. 2012. *Barley as dual purpose crop for dry areas*. Directorate of Wheat Research, Karnal, India. *Extension Bulletin No. 35*.
3. Selvakumar R, V Kumar, R.P.S., Verma, AS Kharub, D Kumar, B Sarkar and I Sharma. 2012. *Barley diseases and post harvest management*. Directorate of Wheat Research, Karnal, India. *Extension Bulletin No. 36*.
4. D Kumar, R.P.S., Verma, AS Kharub, V Kumar, S Narwal, B Sarkar, R Selvakumar, and I Sharma. 2012. *Barley products for human consumption*. Directorate of Wheat Research, Karnal, India. *Extension Bulletin No. 37*.

IV. Presentations in Seminar/Symposia/Conference/Workshop Abstracts

1. **Verma R.P.S.**, AS Kharub, D Kumar, B Sarkar and R Selvakumar. 2012. *Widening the horizon for malt barley cultivation in India*. Poster presented in 11th International Barley Genetics Symposium held at Hangzhou (China), 15-20 April 2012.
2. Kharub AS, **Verma, R.P.S.**, and D Kumar. 2012. Resource management approaches towards productivity and malting quality of barley. Poster presented in 11th International Barley Genetics Symposium held at Hangzhou (China), 15-20 April 2012.
3. Sarkar B and **Verma, R.P.S.**. 2012. Diversity among barley germplasm collection in India. Poster presented in 11th International Barley Genetics Symposium held at Hangzhou (China), 15-20 April 2012.
4. Malik R, **Verma, R.P.S.**, M Saroha, R Kumar and Indu Sharma. 2012. Characterization of genomic regions associated with leaf spot resistance in barley (*Hordeum vulgare*). Poster presented in 11th International Barley Genetics Symposium held at Hangzhou (China), 15-20 April 2012.
5. Kumar D, Narwal S. and **Verma, R.P.S.** 2012. Genetic variation for β -glucan content in Indian barley. Poster presented in 11th International Barley Genetics Symposium held at Hangzhou (China), 15-20 April 2012.
6. Kumar D, AS Kharub, **R.P.S., Verma** and I Sharma. 2012. Climate change and barley. Invited talk in "National Conference on Climate Change & Agriculture" at Muzaffarnagar (UP) On 10.04.2012. Souvenir & Abstracts 20 pp.
7. Kharub AS, D Kumar, V Kumar and **R.P.S. Verma**. 2012. Agronomic practices for improving yield and quality of malt barley. 3rd International Agronomy Congress, Nov. 26-30, 2012, New Delhi, India. Extended Summaries Vol. 3: 1026-1027.
8. Selvakumar, R., **Verma, R.P.S.**, Bhardwaj, S C., Sarkar, B and Indu Sharma (2012) Sources of rust resistance in Indian barley genotypes. BGRI Technical workshop (2012) Sep. 1-4, Beijing, China. P. 112.
9. **Verma R.P.S.** 2012. Principal Investigator's Report (Barley Network) In: Session: III. Crop Year review 2011-12. In 51st All India Wheat and Barley Research Workers meet held at ARS (SKRAU), Durgapura, Jaipur from 24-27, August, 2012.