



VI. Seznam použité literatury

- Abed A., Pérez-Rodriguez P., Crossa J., Belzile F. (2018): When less can be better: How can we make genomic selection more cost-effective and accurate in barley? *Theoretical and Applied Genetics* 131: 1873-1890.
- Babu P., Baranwai D.K., Harikrishna, Pal D., Bharti H., Joshi P., Thiyagarajan B., Gaikwad K.B., Bhardwaj S.C., Singh G.P., Singh A. (2020): Application of genomic tools in wheat breeding to attain durable rust resistance. *Frontiers in Plant Science* 11: 567147.
- Barrett L.W., Fletcher S., Wilton S.D. (2012): Regulation of eukaryotic gene expression by the untranslated gene regions and other non-coding elements. *Cellular and Molecular Life Sciences* 69: 3613-3634.
- Bennett M.D., Smith J.B. (1976): Nuclear DNA amounts in angiosperms. *Philos. Trans. R. Soc. Lond. Biol. Sci.* 274(933): 227-274.
- Boone C., Bussey H., Andrews B.J. (2007): Exploring genetic interactions and networks with yeast. *Nat Rev Genet.* 8(6): 437-449.
- Bradbury P.J., Thang Z., Kroon D.E., Casstevens T.M., Ramdoss Y., Buckler E.S. (2007): TASSEL: software for association mapping of complex traits in diverse samples. *Bioinformatics* 23(19): 2633-2635. Doi:10.1093/bioinformatics/btm308
- Budhlakoti N., Mishra D.C., Rai A., Lal S.B., Chaturvedi K.K., Kumar R.R. (2019): A comparative study of single-trait and multi-trait genomic selection. *Journal of Computational Biology* 26: 1100-1112.
- Budhlakoti N., Mishra D.C., Rai A. (2019b): Package MTGS. 1-6.
- Budhlakoti N., Kushwaha A.K., Rai A., Chaturvedi K.K., Kumar A., Pradhan A.K., Kumar U., Kumar R.R., Juliana P., Mishra D.C., Kumar S. (2022): Genomic selection: A tool for accelerating the efficiency of molecular breeding for development of climate-resilient crops. *Frontiers in Genetics* 13: 832153.
- Clark S.A., Hickey J.M., Van der Werf J.H. (2011): Different models of genetic variation and their effect on genomic evaluation. *Genetics, Selection and Evolution* 43: 18.



VII. Seznam publikací, které předcházely metodice

Leišová-Svobodová L., Psota V., Zavřelová M., Kříž M., Mařík P., Nesvadba Z. (2024): Malting quality molecular markers for barley breeding. *Czech Journal of Genetics and Plant Breeding* 60(2): 70-78.

Jungová M., Leišová-Svobodová L., Hanzalová A., Zelba O., Svoboda P. (2022): Detection and quantification of *Puccinia graminis* and *Puccinia triticina* in host plant tissue by real-timePCR. *Kostelecké inspirování, ČZU, Praha 2022*: 42-43.

Hanzalová A. (2023): Hodnocení odolnosti jarních odrůd pšenice ke rzím. *Úroda* 2: 27-28.

Ondreičková K., Hanzalová A., Klčová L., Hudcovicová M., Hrdlicová M., Gregová E., Šliková S. (2025): High genetic variability of *Puccinia triticina* at a specific location in Slovakia: a case study. *Cereal Research Communications* 53: 1505-1517.

Leišová-Svobodová L., Ježek S., Veškrna O., Hanzalová A., Jungová M., Sovová T., Svoboda P. (2026): Genetic variability of wheat collection selected with respect to the resistance to leaf and stem rusts. *Agronomy* 16(14): 1322. DOI: 10.3390/agronomy16141322.

Leišová-Svobodová L., Hanzalová A., Veškrna O., Jungová M., Sovová T., Svoboda P. (2026): Multi-trait genomic selection for combined leaf and stem rust resistance in wheat breeding. (*in review*)