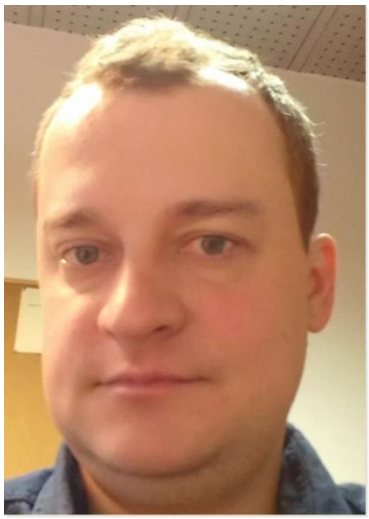

Research CV, Csaba Éva
March 2023

Personal data:

Name: **Csaba Éva PhD.**
Place of birth: Cegléd, Hungary
Time of birth: 15 October, 1985
Nationality: Hungarian
Marital status: single
Permanent address: 8/B VIII/22 Köztársaság street, Cegléd, Hungary H-2700
Usual address: 17 IV/18 Bukarest street, Budapest, Hungary H-1114
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Scientific carrier:

2019- Senior Research Associate, Applied Genomics Department, then Department of Biological Research, Agricultural Institute, ELKH Centre for Agricultural Research, 2 Brunszvik street, Martonvásár, Hungary H-2462

2016-2019 Research Associate, Applied Genomics Department, Agricultural Institute, Centre for Agricultural Research, Hungarian Academy of Sciences, 2 Brunszvik street, Martonvásár, Hungary H-2462

2013-2016 Junior Research Associate, Applied Genomics Department, Agricultural Institute, Centre for Agricultural Research, Hungarian Academy of Sciences, 2 Brunszvik street, Martonvásár, Hungary H-2462

2012-2013 Junior Research Associate, Department of Plant Physiology and Molecular Plant Biology, ELTE University, 1/C Pázmány Péter sétány, Budapest Hungary H-1117

Research field:

plant molecular biology, CRISPR, biotic and abiotic stress, photosynthesis

Education:

2014 PhD (in biology)
No. P4387/2014; title of thesis: Stress tolerance of transgenic barley plants expressing aldo-keto reductase genes

2009-2012 Doctoral School of Biology, ELTE University

2009 graduation at ELTE university as biologist (MSc)

2006-2009 Working on diploma thesis, title: Production of transgenic barley accumulation an Arabidopsis aldo-keto reductase enzyme

2007-2009	Specialisation in molecular biology/biochemistry
2004-2009	university studies: biologist, Faculty of Science, ELTE University, Budapest, Hungary
1996-2004	high school studies: Kossuth Lajos Gimnázium, Cegléd Hungary, ending with GCSE

Teaching:

BME Transgenic Organisms (2019-)
ELTE Plant Molecular Biology (2021-)

PhD. students:

Liesel Gamarra Reinoso (2020-)

Grants, awards:

NKFI young scientist OTKA (Hungarian state-funded research grant), no. FK- 134874, title: Study of root to shoot carbon transport in Arabidopsis and barley as a means to improve drought tolerance and photosynthetic performance, research carried out in Agricultural Institute, ELKH Centre for Agricultural Research, 2020-2024

NKFI, postdoctoral excellence research grant (PD_16), no. PD 121322, title: Investigating the transcriptional regulation of high molecular weight prolamins of cereals. Research carried out in Agricultural Institute, Centre for Agricultural Research, Hungarian Academy of Sciences, 2016-2020

Third prize in XXIXth National Scientific Student's Associations Conference, Biological Section, Molecular biology category III. Production of transgenic barley accumulation an Arabidopsis aldo-keto reductase enzyme, 2009

First prize in Scientific Student's Associations Conference, ELTE University, Faculty of Science, Studying physiological

function of an Arabidopsis aldo-keto reductase enzyme by over-expression in transgenic barley,
2007.

Language skills:

2002	intermediate level oral and written exams in English
2003	intermediate level complex exam in German

Selected publications:

Éva, C., Oszvald, M., and Tamás, L. (2019). Current and possible approaches for improving photosynthetic efficiency. *Plant Science* 280, 433-440. (Q1; IF 3.591; independent citations: 14)

Éva, C., Téglás, F., Zelenyánszki, H., Tamás, C., Juhász, A., Mészáros, K., et al. (2018). Cold inducible promoter driven Cre-lox system proved to be highly efficient for marker gene excision in transgenic barley. *Journal of biotechnology* 265**,** 15-24. (Q1; IF 3.164; independent citations:12)

Jose, J., Éva, C., Bozsó, Z., Hamow, K.Á., Fekete, Z., Fábián, A., Bánfalvi, Z. and Sági, L., 2022. Global transcriptome and targeted metabolite analyses of roots reveal different defence mechanisms against Ralstonia solanacearum infection in two resistant potato cultivars. *Frontiers in Plant Science*, *13*. doi: 10.3389/fpls.2022.1065419 (D1, Q1, expected IF: 6.6027)

Majláth, I., Éva, C., Tajti, J., Khalil, R., Elsayed, N., Darko, E., et al. (2020). Exogenous methylglyoxal enhances the reactive aldehyde detoxification capability and frost-hardiness of wheat. *Plant Physiology and Biochemistry*, 149, 75-85. (Q1, IF: 4.27; independent citations: 12)

Majláth, I., Éva, C., Hamow, K.Á., Kun, J., Pál, M., Rahman, A., Palla, B., Nagy, Z., Gyenesei, A., Szalai, G. and Janda, T., 2022. Methylglyoxal induces stress signaling and promotes the germination of maize at low temperature. *Physiologia Plantarum*, *174*(1), p.e13609. (Q1, expected IF: 5.081; independent citations: 2)

Research metrics:

7 first-author, 5 co-author, 2 corresponding authored publications

8 Q1, 4 Q2

ΣIF: 35.075 (expected)

Independent citations (MTMT): 109

H-index=8 (MTMT)