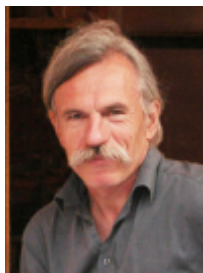


# Europass Curriculum Vitae



## Personal information

First name(s) / Surname(s) **László Szabados**  
Address(es) Tiszavirág u. 7, H-6726 Szeged, Hungary  
Telephone(s) +36 62 599715 Mobile: +36 30 3553305  
Fax(es) +36 62 433434  
E-mail szabados.laszlo@brc.hu  
Nationality Hungarian  
Date of birth 19.02.1955  
Gender Male

## Work experience

Dates 1998 – present  
Occupation or position held Research group leader  
Research area plant molecular biology, genetics, research on stress responses  
Name and address of employer Institute of Plant Biology, Biological Research Centre, Szeged, Hungary  
Type of business or sector Academia

Dates 1990 – 1997  
Occupation or position held Research Scientist  
Name and address of employer Institute of Plant Biology, Biological Research Centre, Szeged, Hungary  
Type of business or sector Academia

Dates 1987 – 1990  
Occupation or position held Postdoctoral fellow  
Research area Plant molecular biology, genetic transformation  
Name and address of employer Max-Planck Institut für Züchtungsforschung, Köln, Germany  
Type of business or sector Academia

Dates 1984 – 1987  
Occupation or position held Postdoctoral fellow  
Research area Plant tissue culture, genetic transformation  
Name and address of employer Biotechnology Research Unit, CIAT, Cali, Colombia  
Type of business or sector Academia

Dates 1983 - 1984  
Occupation or position held Invited lecturer  
Research area Plant tissue culture, plant regeneration  
Name and address of employer Universidad de la Republica, Montevideo, Uruguay

Type of business or sector	Academia
Dates	1981 - 1982
Occupation or position held	Research Associate
Research area	Plant tissue culture, plant regeneration
Name and address of employer	Sugarbeet Research Institute, Sopronhorpács, Hungary
Type of business or sector	Academia
Dates	1978 - 1981
Occupation or position held	PhD student
Name and address of employer	Institute of Genetics, Biological Research Centre, Szeged, Hungary
Type of business or sector	Academia

### Education and training

Dates	2010
Title of qualification awarded	D.Sc.
Principal subjects/occupational skills covered	plant molecular biology, genetics
Name and type of organisation providing education and training	Hungarian Academy of Sciences
Dates	1996
Title of qualification awarded	Kandidátus degree (CS)
Title of dissertation	Genetic transformation of legumes and investigation of noduline genes
Principal subjects/occupational skills covered	Plant Biology
Name and type of organisation providing education and training	Hungarian Academy of Sciences
Dates	1982
Title of qualification awarded	University doctor's degree (PhD)
Principal subjects/occupational skills covered	Plant Biology
Name and type of organisation providing education and training	József Attila University, Szeged, Hungary
Dates	1978
Title of qualification awarded	University diplome (MSc)
Principal subjects/occupational skills covered	Biology
Name and type of organisation providing education and training	József Attila University, Szeged, Hungary

### Fellowships, assignments

2008	Invited lecturer, University Paris Marie Curie, Paris, France
2005 – 2006	Senior HAESF Fellowship, University of California, Riverside, CA, USA (10 months)
1999 – 2001	Project Leader, Arabidopsis Genomics Program, Vitality Biotechnologies, Inc. / BRC, Szeged (18 months)

1997 Max-Planck Fellowship, Max-Planck Institut für Züchtungsforschung, Abt. Schell, Köln, Germany (6 months)

### Memberships in Scientific Bodies

Federation of European Societies of Plant Biology  
European Federation of Biotechnology (EFB)  
International Association of Plant Biotechnology (IAPB)  
American Society of Plant Biology (ASPB)

### Personal skills and competences

Mother tongue(s) **Hungarian**

Other language(s)

Self-assessment  
*European level (\*)*

**English**

**Spanish**

**German**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	1	C2	1	C2	1	C2	1	C2	1
C2	1	C2	1	C2	1	C2	1	C2	1
B2	2	B2	2	B2	3	B2	3	B2	3

(\*) [Common European Framework of Reference for Languages](#)

Organisational skills and competences good

Computer skills and competences Internet usage, MS Word, Excel, Powerpoint, image processing, Adobe Photoshop, etc.

Driving licence Category "B"



Signature

### Publication record

Scientific publications: 102  
Patent applications: 2  
Cumulative impact factor: 334,5  
Citations (WoS, MTMT, independent /all) 7507/7958  
H-index: (WoS, MTMT) 38

### Publication list:

<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10008128>  
[https://scholar.google.com/scholar?hl=en&as\\_sdt=0%2C5&q=lászló+szabados&oq=lászló](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=lászló+szabados&oq=lászló)

## Selected publications

1. Székely Gy, Ábrahám E, Cséplő Á, Rigó G, Zsigmond L, Csiszár J, Ayaydin F, Strizhov N, Jásik J, Schmelzer E, Koncz Cs, **Szabados L** (2008) Duplicated P5CS genes of Arabidopsis play distinct roles in stress regulation and developmental control of proline biosynthesis. *Plant J.* 53:11-28.
2. Zsigmond L, Rigó G, Székely Gy, Ötvös K, Szarka A, Darula Zs, Medzihradzsky KF, Koncz Cs, Koncz Zs, **Szabados L** (2008) Arabidopsis PPR40 connects abiotic stress responses to mitochondrial electron transport. *Plant Physiol.* 146:1721-1737.
3. Papdi Cs, Ábrahám E, Joseph MP, Popescu C, Koncz Cs, **Szabados L** (2008) Functional identification of Arabidopsis stress regulatory genes using the Controlled cDNA Overexpression System, COS. *Plant Physiol.* 147: 528–542.
4. **Szabados L**, Savouré A (2010) Proline: a multifunctional amino acid. *Trends Plant Sci* 15:89-97,
5. Henriques R, Magyar Z, Monardes A, Khan S, Zalejski C, Orellana J, **Szabados L**, de la Torre C, Koncz Cs, Bögre L (2010) *Arabidopsis* S6 Kinase mutants display chromosome instability and altered RBR1-E2F pathway activity. *EMBO J.* 29: 2979-2993.
6. Rigó G, Tietz O, Ayaydin F, Zsigmond L, Kovács H, Páy A, Salchert K, **Szabados L**, Palme K, Koncz Cs, Cséplő Á (2013) Inactivation of plasma-membrane localized CDPK-related kinase 5 decelerates PIN2 exocytosis and root gravitropic response. *Plant Cell* 25:1592-1608,
7. Perez-Salamo I, Papdi C, Rigo G, Zsigmond L, Vilela B, Lumbreras V, Nagy I, Horvath B, Domoki M, Darula Z, Medzihradzsky K, Bogre L, Koncz C, **Szabados L** (2014) The Heat Shock Factor A4A Confers Salt Tolerance and Is Regulated by Oxidative Stress and the Mitogen-Activated Protein Kinases MPK3 and MPK6. *Plant Physiol* 165: 319-334,
8. Joseph MP, Papdi C, Kozma-Bognar L, Nagy I, Lopez-Carbonell M, Koncz C, **Szabados L** (2014) The Arabidopsis Zinc Finger Protein 3 interferes with ABA and light signaling in seed germination and plant development. *Plant Physiol* 165(3):1203-1220,
9. Fichman Y, Gerdes S, Kovács H, **Szabados L**, Zilberstein A, Csonka L, (2015) Evolution of Proline Biosynthesis: Enzymology, Bioinformatics, Genetics, and Transcriptional Regulation. *Biol Rev Camb Philos Soc* 90: 1065-1099.
10. Papdi C, Perez-Salamo I, Joseph MP, Giuntoli B, Bogre L, Koncz C, **Szabados L** (2015) The low oxygen, oxidative and osmotic stress responses synergistically act through the ethylene response factor VII genes RAP2.12, RAP2.2 and RAP2.3. *Plant J* 82: 772-784,
11. Rigó, G., Valkai, I., Faragó, D., Kiss, E., Van Houdt, S., Van de Steene, N., Hannah, M. A., and **Szabados, L.** (2016) Gene mining in halophytes: functional identification of stress tolerance genes in *Lepidium crassifolium*. *Plant, Cell & Environment*, 39:2074-2084.
12. Aleksza D, Horváth GV, Sándor Gy, **Szabados L** (2017) Proline accumulation Is regulated by transcription factors associated with phosphate starvation, *Plant Physiology* 175:555-567,
13. Kovács H, Aleksza D, Baba AI, Hajdu A, Kiraly AM, Zsigmond L, Tóth SZ, Kozma-Bognár L, **Szabados L** (2019) Light control of salt-induced proline accumulation is mediated by ELONGATED HYPOCOTYL 5 in Arabidopsis. *Front. Plant Sci.* 10:1584.
14. Andrászi N, Rigó G, Zsigmond Zs, Pérez-Salamó I, Papdi Cs, Klement E, Pettkó-Szandtner A, Baba A-I, Ayaydin F, Dasari R, Cséplő A, **Szabados L** (2019) The MPK4-phosphorylated Heat Shock Factor A4A regulates responses to combined salt and heat stresses. *J. Exp. Bot.* 70:4903-4918
15. Baba AI, Valkai I, Labhane NM, Koczka L, Andrászi N, Klement É, Darula Zs, Medzihradzsky KF, **Szabados L**, Fehér A, Rigó g, Cséplő Á (2019) CRK5 Protein Kinase Contributes to the Progression of Embryogenesis of Arabidopsis thaliana. *Int. J. Mol. Sci.* 20: 6120;

16. Andrási N, Pettko-Szandtner A, **Szabados L** (2021) Diversity of Plant Heat Shock Factors: Regulation, Interactions and Functions. *J. Exp. Bot.* 72(5):1558-1575.
17. Alvarez ME, Savouré, A, **Szabados, L.** (2022) Proline metabolism as regulatory hub. *Trends Plant Sci* 27: 39-55
18. Faragó D, Zsigmond L, Benyó D, Alcázar R, Rigó G, Ayaydin F, Rabilu S-A, Hunyadi-Gulyás É, **Szabados L** (2022) Small paraquat resistance proteins modulate paraquat and ABA responses and confer drought tolerance to overexpressing Arabidopsis plants. *Plant Cell Environ*, 45:1985-2003
19. Szepesi Á, Bakacsy L, Fehér A, Kovács H, Pálfi P, Poór P, Szöllősi R, Gondor OK, Janda T, Szalai G, Lindermayr C, **Szabados L**, Zsigmond L. (2023). L-Aminoguanidine Induces Imbalance of ROS/RNS Homeostasis and Polyamine Catabolism of Tomato Roots after Short-Term Salt Exposure. *Antioxidants (Basel, Switzerland)*, 12(8), 1614.
20. **Szabados L** (2023) Extremofil növények. *Növényi élet szélsőséges körülmények között*. Kaleidoszkóp Könyvek kiadványsorozat, Libri Könyvkiadó, Budapest. 136 oldal.