

Dr. Tibor Janda: Curriculum vitae

Particulars:

Name: **Tibor JANDA**

Date and Place of Birth:
September 16, 1967,
Budapest, Hungary

Nationality: Hungarian



Scientific degree: Doctor of the Hungarian Academy of Sciences (DSc)

Position (2010-): **Head of the Department of Plant Physiology and Metabolomics
Agricultural Institute, Centre for Agricultural Research, Hungary**

Education and scientific degree:

1987-1992	József Attila University, Szeged Subject: molecular biology and biotechnology
1997	Candidate of Biol. Sci. (PhD)
2004	Habilitation, Szent István University, Gödöllő
2009	Doctor of the Hungarian Academy of Sciences (DSc)
2011	Honorary professor at Hungarian University of Agriculture and Life Sciences (Former Corvinus University in Budapest)

Study courses:

1993-1994	Biological and Physical Aspects of Crop Production in Arid Zones. Int. Course, Sde-Boqer, Israel. (2 months)
1994	Radiation protection, Technical Univ., Budapest

Languages: English, Russian

Place of work and positions:

1992-1997	Agricultural Research Institute of the Hungarian Academy of Sciences, Assistant Research Associate
1997-	Senior Research Associate
2003-	Project leader
2010-	Head of the Department of Plant Physiology
2020-	Head of Department of Plant Physiology and Metabolomics

Research areas:

Effects of low temperature and photoinhibition on photosynthesis of plants
Physiology and biochemistry of freezing tolerance in cereals
Effects of salicylic acid and related compounds on stress tolerance of crop plants
Role of antioxidants in stress tolerance of plants

Role of light in the development of stress tolerance in plants
Cross-talk between signalling and acclimation processes in plants

Longer study trips:

1998: CEA Saclay, France (3 months)

2000/2001: Jacob Blaustein Institute of Ben Gurion University, Sde Boker, Israel (1 year)

Scientific memberships:

1995-2000: Member of the Management Committee of COST 814 European Research programme

1993-Society of the European Plant Physiologists (FESPP; nowadays FESPB)

2003- Photosynthetica Editorial Board (2009- Associate Editor)

2018-IJMS Editorial Board

2018- Journal of Plant Physiology Editorial Board

2022- Cereal Research Communication Editorial Board

10 selected publications:

1. Gondor OK, Janda T, Soos V, Pal M, Majlath I, Adak MK, Balazs E, Szalai G Salicylic Acid Induction of Flavonoid Biosynthesis Pathways in Wheat Varies by Treatment. *FRONTIERS IN PLANT SCIENCE* 7: Paper 1447. 12 p. (2016).
2. Pál M, Csávás G, Szalai G, Oláh T, Khalil R, Yordanova R, Gell G, Birinyi Z, Németh E, Janda T (2017) Polyamines may influence phytochelatin synthesis during Cd stress in rice. *J Hazard Mater.* 340: 272-280.
3. Pál, Magda ; Tajti, Judit ; Szalai, Gabriella ; Peeva, Violeta ; Végh, Balázs ; Janda, Tibor Interaction of polyamines, abscisic acid and proline under osmotic stress in the leaves of wheat plants *SCIENTIFIC REPORTS* 8 : 1 Paper: 12839 (2018)
4. Pál Magda, Ivanovska Beti, Oláh Tímea, Tajti Judit, Hamow Kamirán Áron, Szalai Gabriella, Khalil Radwan, Vanková Radomira, Dobrev Petr, Mísheva Svetlana P., Janda Tibor Role of polyamines in plant growth regulation of Rht wheat mutants. *PLANT PHYSIOLOGY AND BIOCHEMISTRY* 137 pp. 189-202. , 14 p. (2019)
5. Darko Eva, Khalil Radwan, Dobi Zsanett, Kovács Viktória, Szalai Gabriella, Janda Tibor, Molnár István Addition of *Aegilops biuncialis* chromosomes 2M or 3M improves the salt tolerance of wheat in different way. *SCIENTIFIC REPORTS* 10 : 1 Paper: 22327 (2020)
6. Janda, Tibor; Tajti, Judit; Hamow, Kamirán Á.; Marček, Tihana; Ivanovska, Beti; Szalai, Gabriella; Pál, Magda; Zalewska, Ewa D.; Darkó, Éva. Acclimation of photosynthetic processes and metabolic responses to elevated temperatures in cereals. *PHYSIOLOGIA PLANTARUM* 171: 2 pp. 217-231. , 15 p. (2021)
7. Gondor Orsolya Kinga, Tajti Judit, Hamow Kamirán Áron, Majláth Imre, Szalai Gabriella, Janda Tibor, Pál Magda Polyamine Metabolism under Different Light Regimes in Wheat. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES* 22 : 21 p. 11717 (2021)
8. Janda T., Prerostová S., Vanková R., Darkó É. Crosstalk between light- and temperature-mediated processes under cold and heat stress conditions in plants. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES* 22 : 16 Paper: 8602 (2021)
9. Tajti J., Pál M., Janda T. Validation of reference genes for studying different abiotic stresses in oat (*Avena sativa* L.) by RT-qPCR *PLANTS-BASEL* 10 : 7 Paper: 1272 (2021)
10. Majláth, Imre; Éva, Csaba; Hamow, Kamirán Áron; Kun, József; Pál, Magda; Rahman, Altafur; Palla, Balázs; Nagy, Zoltán; Gyenesei, Attila; Szalai, Gabriella; Janda, Tibor. Methylglyoxal Induces Stress Signaling and Promotes the Germination of Maize at Low Temperature. *PHYSIOLOGIA PLANTARUM* (2022) 174 : 1 Paper: e13609 , 21 p.

Martonvásár, 18-January-2023

Tibor Janda