

CURRICULUM VITAE

Dr. Gábor Horváth

Education

Doctor of Philosophy Degree

University of Szeged

Thesis topic: *Analysis of the interactions of geminivirus replication proteins in the yeast two-hybrid system.*

Graduated: 1998

Doctor of the University Degree

University of Szeged

Thesis topic: *Molecular analysis of a recombinant chloroplast genome.*

Graduated: 1995

Master of Science (Chemistry)

University of Szeged

Thesis Topic: *Determination of ion exchange capacity of zeolite catalysts*

Graduated: 1983

Research History

2023-

Institute of Plant Biology, BRC

Senior Research Fellow

2021-2023

Creative Labor Ltd.

Researcher

2017- 2021

Institute of Genetics, BRC

Senior Research Fellow

2016 – 2017

Pharmacoidea Ltd, Szeged, Hungary

Senior Researcher, Laboratory of Molecular Biology

2013 – 2016

Institute of Plant Biology, BRC

Senior Research Fellow

2005 – 2013

Institute of Plant Biology, BRC

Senior Research Fellow, Group Leader

2008 – 2011

Planta Cosmetics Ltd.

Managing Director

2003 – 2005

Institute of Plant Biology, BRC

Senior Research Fellow

2000 – 2003

Institut des Sciences du Végétal, CNRS, Gif-sur-Yvette, France
Research Fellow

1988 – 2000

Institute of Plant Biology, BRC
Research Fellow

1995 – 2000

Bay Zoltán Foundation of Applied Research, Institute of Biotechnology, Szeged, Hungary
Project Manager

1983 – 1988

University of Szeged, Department of Applied Chemistry and Radiochemistry, Szeged,
Hungary
Research Assistant,

Short-term fellowships/visits

1993, 1994, 1996

Max-Planck-Institut für Pflanzenzüchtungsforschung, Cologne, Germany

1999, 2003, 2006

India: National Institute for Plant Biotechnology (New Delhi), KSR College of Arts and
Science (Tiruchengode), Bose Institute (Kolkata)

2005, 2006

China: Chinese Academy of Sciences (Beijing, Sanghai)

Publications

SCIENTIOMETRICS

64 scientific publications (55 in English), 2207 citations, 1949 non-self citations, Hirsch index: 22.

Five most important publications

1. Jipa, András ; Vedelek, Viktor ; Merényi, Zsolt ; Ürmösi, Adél ; Takáts, Szabolcs ; Kovács, Attila
L. ; **Horváth, Gábor V.** ; Sinka, Rita ; Juhász, Gábor

Analysis of Drosophila Atg8 proteins reveals multiple lipidation-independent roles
AUTOPHAGY 17(9) pp. 2565-2575. (2021)

2. Ábrahám E, Yu P, Farkas I, Darula Zs, Varga E, Lukács N, Ayaydin F, Medzihradzsky KF,
Dombrádi V, Dudits D, **Horváth GV**

The B^γ regulatory subunit of protein phosphatase 2A mediates the dephosphorylation of rice
retinoblastoma-related protein-1

PLANT MOLECULAR BIOLOGY 87:(1-2) pp. 125-141. (2015)

3. Turóczy Z, Kis P, Török K, Cserháti M, Lendvai Á, Dudits D, **Horváth GV**
Overproduction of a rice aldo-keto reductase increases oxidative and heat stress tolerance by malondialdehyde and methylglyoxal detoxification
PLANT MOLECULAR BIOLOGY 75:(4-5) pp. 399-412. (2011)

4. Oberschall A, Deák M, Török K, Sass L, Vass I, Kovács I, Fehér A, Dudits D, **Horváth GV**
A novel aldose /aldehyde reductase protects transgenic plants against lipid peroxidation under chemical and drought stress
PLANT JOURNAL 24: pp. 437-446. (2000)

5. Deák M, **Horváth GV**, Davletova S, Török K, Sass L, Vass I, Barna B, Király Z, Dudits D
Plants ectopically expressing the iron-binding protein, ferritin, are tolerant to oxidative damage and pathogens
NATURE BIOTECHNOLOGY 17:(2) pp. 192-196. (1999)

For complete list of publications please visit the publication database of the Hungarian Academy of Sciences (www.mtmt.hu, search for Horváth V. Gábor (Növényi molekuláris biológia)).

PATENTS:

Plants overexpressing aldose reductase homologous protein can tolerate water deficiency and resist oxidative stresses” Hungarian Patent Application (1998): P9702118/2

”Aldose Stress Resistance” International Patent Application (1998): PCT/GB98/03464

A novel plant cyclin

EP 00870133.6 (2000)

Plants having modified growth and a method for making the same

EP 02078386.6 (2002) CD0390

Method to improve plant growth characteristics, comprising increased expression in a plant of a nucleic acid sequence encoding a CCS52 protein and/or increased activity in a plant of a CCS52 protein.

EP 03290812.1 (2004)

PRIZES, FELLOWSHIPS

GENIUS '98 PRIZE

First Inventors' Olympic Games-Genius '98

János Bolyai Research Fellowship 2004-2007

Teaching activity

Teacher of the PhD School of Biology and in the PhD School of Environmental Sciences at the University of Szeged.

9 graduated PhD students.

At present I supervise the laboratory experiments of Dávid Tóth, 6th year medical university and Szent-Györgyi Scientific Academy student.

For more details please see: http://www.doktori.hu/index.php?menuid=192&sz_ID=4498