

PERSONAL INFORMATION
Sciences)

Zoltán Varga PhD (summa cum laude in Multidisciplinary Agricultural



📍 Széchenyi István University, Albert Casimir Faculty of Mosonmagyaróvár,
Department of Water Management and Natural Ecosystems,
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WORK EXPERIENCE

2006 – Present

2022-Present

2016-2022

2006-2016

Associate professor

Széchenyi István University, Albert Casimir Faculty of Mosonmagyaróvár;
Széchenyi István University, Faculty of Agricultural and Food Science, Mosonmagyaróvár;
University of West Hungary, Faculty of Agricultural and Food Science, Mosonmagyaróvár
University level education, research - environmental science field

2002-2006

Assistant professor

University of West Hungary, Faculty of Agricultural and Food Science, Mosonmagyaróvár
University level education, research - environmental science field

2000-2002

Assistant lecturer

University of West Hungary, Faculty of Agricultural and Food Science, Mosonmagyaróvár

1999-2000

Institute engineer

2000

1999

University of West Hungary, Faculty of Agricultural Science, Mosonmagyaróvár
PANNON Agricultural University, Faculty of Agricultural Science, Mosonmagyaróvár

EDUCATION AND TRAINING

1996-1999

PhD student

University of Veszprém
PhD degree in Multidisciplinary Agricultural Sciences

1991-1996

University student

PANNON Agricultural University, Faculty of Agricultural Science, Mosonmagyaróvár
Agricultural engineer

PERSONAL SKILLS

Projects: OTKA T022367 - 1997-2000
OTKA T034592 – 2001-2003
NKFP OM-3B/0057/2002 – 2002-2005
VAHAVA project – 2003-2006
TÁMOP-4.2.2.A-11/1/KONV-2012-0013 - 2012-2014
TÁMOP-4.2.2.A-11/1/KONV-2012-0003 - 2012-2014
TÁMOP-4.2.1.C-14/1/Konv-2015-0001 – 2015
EU Horizon 2020 – H2020-EU.3.2. „Sabana”- 2016-2017
VKSZ_12-1-2013-0034 – 2017-2018
EFOP-3.6.1-16-2016-00017 – 2017-2019
TUDFO/51757/2019-ITM – 2019-2020
TKP2020-NKA-14 – 2020-2021
EFOP-3.6.2-16-2017-00016 – 2020
2020-2.1.1-ED-2020-00098 – Insula Magna - 2020-2021
GINOP_PLUSZ-2.1.1-21-2022-00040 – WREN - 2022

Main research areas: Agricultural meteorology, Applied environmental science studies

Supervisor: BSc in Agricultural Water Management and Environmental Technology
Engineer (in Hungarian)
BSc in Agricultural Water Management and Environmental Technology
Engineer (in English)

Course instructor
(in English): Principles of Agrometeorology (BSc), Methodology of research (PhD)

Membership of international
scientific societies: European Meteorological Society,
International Committee on Irrigation and Drainage

Publications: <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10011083>

More than 170 publications, about 100 references

Selected scientific papers in English:

- VARGA-HASZONITS Z. - VARGA Z. - SCHMIDT R. - LANTOS ZS.
(1997): The effect of climatic conditions on maize production. Acta Agronomica Óváriensis. 39 (1-2), 1-14.
- VARGA-HASZONITS Z. - VARGA Z. (2003): Seasonal changes of soil moisture in Hungary. Időjárás. 107 (3-4), 189-198.
- VARGA Z. – VARGA-HASZONITS Z. (2008): Effects of climate change on horticultural plants and horticultural practice in Hungary. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources. 3. No. 50. (Online ISSN 1749-8848, <http://www.cabi.org/cabreviews>)
- VARGA-HASZONITS Z. - VARGA Z. – ENZSÖLNÉ GERENCSÉR E. – LANTOS ZS. (2010): Estimation of winter barley yield by means of a multiplicative successive procedure based on the residual method. Acta Agronomica Óváriensis. 52 (2). 9-18.
- VARGA-HASZONITS Z. – ENZSÖLNÉ GERENCSÉR E. - LANTOS ZS. - VARGA Z. (2011): Water demand and water use efficiency of winter barley in Hungary. Acta Agronomica Hungarica. 59 (1). 13-22.
- ENZSÖLNÉ GERENCSÉR E. - LANTOS ZS. – VARGA- HASZONITS Z.

Curriculum Vitae

- VARGA Z. (2011): Determination of winter barley yield by the aim of multiplicative successive approximation. *Időjárás*. Vol. 115. No. 3. 167-178.
- VARGA-HASZONITS Z. – VARGA Z. - LANTOS ZS. – ENZSÖLNÉ GERENCSÉR E. – MILICS G. (2011): Effect of soil water supply on the water demand of economic crops. *ATON (Agrokémia és Talajtan Online – www.aton.hu)*, 1st online issue. Vol. 60. 75-86.
- VARGA Z. (2014): Facts about the use of agrometeorological information in Hungary and suggestions for making that more efficient. *Időjárás*. Vol. 118. No. 1. 79-92.
- PINKE GY. – TÓTH K. – KOVÁCS A. J. – MILICS G. – VARGA Z. – BLAZSEK K. – GÁL K. E. – BOTTA-DUKÁT Z. (2014): Use of mesotrione and tembotrione herbicides for post-emergence weed control in alkaloid poppy (*Papaver somniferum*). *International Journal of Pest Management*. 60 (3). 187-195.
- MILICS, G. - KOVÁCS, A. J. - PÖRNECZI, A. - NYÉKI, A. - VARGA, Z. - NAGY, V. - LICHNER, L. - NÉMETH, T. - BARANYAI, G. - NEMÉNYI, M. (2017): Soil moisture distribution mapping in topsoil and its effect on maize yield. *Biologia*. Vol. 72. Issue 8. 847-853.
- STIRK, W.A. – BÁLINT, P. – MARÓTI, G.- VARGA, Z. – LOVÁSZ, CS. – LANTOS, ZS. - VAN STADEN, J. – ÖRDÖG, V. (2021): Comparison of monocultures and a mixed culture of three *Chlorellaceae* strains to optimize biomass production and biochemical content in microalgae grown in a greenhouse. *Journal of Applied Phycology*. 33 (5). 2755-2766. <https://doi.org/10.1007/s10811-021-02515-y>
- PINKE GY. - GICZI ZS. - VONA V. - DUNAI É. - VÁMOS O. - KULMÁNY I. - KOLTAI G. VARGA Z. - KALOCSAI R. - BOTTA-DUKÁT Z. - CZÚCZ B. - BEDE-FAZEKAS Á. (2022): Weed composition in Hungarian phacelia (*Phacelia tanacetifolia* Benth.) seed production: Could tine harrow take over chemical management? *Agronomy*. 12 (4). Article number 891 DOI: [10.3390/agronomy12040891](https://doi.org/10.3390/agronomy12040891)