



## DR. GYÖRGYI HORVÁTH

associate professor

### Curriculum Vitae

#### **Personal Data:**

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#### **Education:**

**1999-2002:** PhD student – University of Pécs, Doctoral School for Botany  
**1994-1999:** Janus Pannonius University: Biology

#### **Scientific degree:**

**2012** – habilitation (University of Pécs, Medical School, Pharmacy Program)  
**2005** – PhD (University of Pécs, Faculty of Natural Sciences)  
Title of dissertation: "Phytochemical knowledge of some *Thymus* species using chromatographic, microbiological and molecular biological methods"

#### **Job experience:**

**2016-** Vice-dean for Science and Student Welfare, Faculty of Pharmacy  
**2012-** University of Pécs, Medical School (today Faculty of Pharmacy), Department of Pharmacognosy – associate professor (Deputy of the Head of Department)  
**2006-2012:** University of Pécs, Medical School, Department of Pharmacognosy – assistant professor  
**2002-2006:** University of Pécs, Medical School, Department of Pharmacognosy – research assistant  
**1999-2002:** University of Pécs, Faculty of Sciences, Institute of Biology, Doctoral School for Botany – PhD student

#### **Teaching activity:**

- pharmacognosy – lecture and practice – pharmacy students
- facultative undergraduate course: Extraction and chromatographic techniques in medicinal plant analysis
- elective undergraduate course: Forum of the pharmaceutical sciences
- facultative undergraduate course: Medicinal plants in the practice

- facultative undergraduate course: Essential oils
- facultative undergraduate course: How can we prepare our diploma thesis?
- facultative undergraduate course: Egzotic medicinal plants
- PhD course: Role of the medicinal plants and their products in the health care

### **Research activity:**

#### **➤ Phytochemical evaluation of medicinal plants containing essential oils**

- Isolation of essential oils with water-steam distillation
- Chromatographic analysis of essential oils with TLC and GC, GC-MS techniques (cooperation with Semmelweis University, Institute of Pharmacognosy)

#### **➤ Investigation of antimicrobial activity of essential oils and other chemical compounds isolated from medicinal plants**

- Use of direct bioautography, tube dilution and vapor-phase methods
- Determination of the possible interactions between essential oils and their components against foregoing isolates with checkerboard titration method (cooperation with the Univ. Szeged, Faculty of Sciences, Department of Microbiology)
- Use of Lab-on-a-chip, SDS-PAGE and MALDI-TOF/MS techniques to investigate the change of bacterial outer membrane protein composition after essential oil treatment

#### **➤ In vitro and in vivo investigation of the anti-inflammatory effects of essential oils and different carotenoids**

### **Publications:**

in Journals:	48
in Proceedings:	4
Abstracts:	98
Book chapters:	4
Teaching Supplements:	9
Impact factors:	51,506
Independent citation:	398
Citation (all):	495
Hirsch-index:	11

### **Study trips:**

#### **28 November-8 December 2005:**

- Research Institute for Medicinal Plants, Budakalász, Hungary
- experience in chromatographic techniques

#### **24-29 January 2011:**

- Karl-Franzens University, Institute of Pharmacognosy, Graz, Austria
- experience in chromatographic techniques

4-9 November 2013:

- University of Targu Mures, Faculty of Medicine and Pharmacy, Department of Pharmacognosy and Phytotherapy (Erasmus grant)
- experience in teaching of pharmacognosy

17 November – 1 December 2013:

- Maria Curie-Skłodowska University, Faculty of Chemistry, Department of Chromatographic Methods, Lublin, Poland
- experience in chromatographic techniques

22-26 September 2014:

- University of Vienna, Faculty of Life Sciences, Department of Pharmacognosy, Vienna, Austria (Campus Hungary grant)
- experience in chromatographic techniques

**Scientific Activity:**

**Memberships:**

- 2016-: Undergraduate Student Research Committee of Faculty of Pharmacy, Univ. of Pécs, president
- 2012-: Pécs Committee of the Hungarian Academy of Sciences – Division of Analytical Chemistry
- 2011-: Committee of the Hungarian Academy of Sciences – Division of Bioorganic Chemistry
- 2011-: International Carotenoid Society
- 2006-: Hungarian Pharmaceutical Society
- 2005-: Hungarian Society for Separation Sciences
- 1999-: Hungarian Society of Biology - Botanical Division, Pécs Division

**Secretary (2012-):** Pécs Committee of the Hungarian Academy of Sciences – Division of Pharmaceutical Sciences

**Scientific awards:**

- 2015 – Young Scientists Award from the Hungarian Academy of Sciences, Pécs Committee
- 2012 – Poster presentation award from Hungarian Society for Separation Sciences
- 2010 – Junior research scientist award of Sigma-Aldrich Hungary
- 2010 - Poster presentation award from Hungarian Society for Separation Sciences
- 1998-1999 – Scholarship of Republic of Hungary

**Language skills:**

- 2012 English, C2 (advanced level), Profex medical language exam
- 2002 English, B2 (intermediate level)
- 2002 English, B1 (intermediate level)
- 2001 German, A1 and A2 (basic level)