

# DR. ÁGNES FARKAS

associate professor

## Curriculum Vitae

### Personal Data/Contacts:

**Name:** Dr. Ágnes FARKAS  
**Address:** University of Pécs, Faculty of Pharmacy, Dept. Pharmacognosy  
7624 Pécs, Rókus u. 2., Hungary  
**Telephone:** +36/72/503-650/28822  
**Fax:** +36/72/503-650/28826  
**E-mail:** [agnes.farkas@aok.pte.hu](mailto:agnes.farkas@aok.pte.hu), [farkasa@gamma.ttk.pte.hu](mailto:farkasa@gamma.ttk.pte.hu)

### Education / Qualifications:

**1997-2000:** PhD-student – University of Pécs, Doctoral School for Botany  
**1997:** degree: secondary school teacher of Biology and English  
**1992-1997:** Janus Pannonius University: Biology, English Linguistics and Literature

### Scientific degree:

2012 – habilitation (University of Pécs, Faculty of Natural Science)

2001 – PhD (University of Pécs, Faculty of Natural Science)

Title of dissertation: "Floral attractivity of Pyrus microtaxa"

### Job experience:

**2016-:** University of Pécs, Faculty of Pharmacy, Department of Pharmacognosy –  
associate professor  
**2013-2015:** University of Pécs, Medical School, Department of Pharmacognosy –  
associate professor  
**2002-2013:** University of Pécs, Medical School, Department of Pharmacognosy –  
assistant professor  
**2000-2002:** University of Pécs, Medical School, Institute of Medical Chemistry –  
research assistant  
**1997-2000:** University of Pécs, Faculty of Science, Institute of Biology – PhD-student

**Teaching activity:**

**Graduate level:**

- 1997-1999: **Plant Taxonomy Practice** – Faculty of Science – Biologist
- 1999-2001: **Plant Anatomy Practice** – Faculty of Science – Biologist
- 2000-2005: **Flower Biology facultative course: palinology** – Faculty of Science
- 2001- **Pharmacobotany Lecture and Practice** – Faculty of Pharmacy
- 2002- **Pharmacognosy Practice** – Faculty of Pharmacy
- 2004- **Medicinal Plants** – facultative course – Faculty of Science
- 2006- **Pharmacognosy Lecture** – Faculty of Pharmacy
- 2006-2010 **Flower Biology** – facultative course- Faculty of Science
- 2007-2014 **Edible and Poisonous Plants** – elective course – Faculty of Science, Medical School
- 2010- **Pharmacobotany Lectures and Practices** – Faculty of Pharmacy – English language Pharmacist program
- 2010-2014 **Plants with allergenic pollen, pollen allergy, aeropalinology** – facultative course – Medical School
- 2011- **Pharmacognosy Lectures and Practices** – Faculty of Pharmacy – English language Pharmacist program
- 2012- **Herbal medicine, herbs in nutrition** – Faculty of Pharmacy
- 2013-2014 **Edible and Poisonous Plants** – Medical School – English language Pharmacist program
- 2014- **Extraction and Chromatographic Techniques in Medicinal Plant Analysis** – Faculty of Pharmacy
- 2014- **Alternative Medicine** – Faculty of Science

**Postgraduate level:**

- 2002- **Pollen morphology, physiology and taxonomic implications** – Faculty of Science, Doctoral School of Biology
- 2009- **Microscopic techniques for plant histology** – Faculty of Science, Doctoral School of Biology
- 2009- **Techniques for studying floral and pollination biology** – Faculty of Science, Doctoral School of Biology
- 2010- **Pharmacognosy** – pharmacist resident training

### **Research activity:**

- Molecular, phytochemical, morphological and histological studies on medicinal plant taxa
- Active compounds and biological activities of unifloral honeys
- Nectar production and nectar composition of medicinal plants, with special emphasis on specific metabolites of nectar
- Floral and pollination biology of Rosaceae and Annonaceae taxa

### **Participation in research grants:**

#### Program leader:

**2005-2007:** OTKA F 48815: “Structure and secretory activity of the floral nectary in some medicinal plants, specific metabolites of the nectar” – 4,5 million HUF

#### Sub-program leader:

**2004-2007:** NKFP 3A 061: “Large-scale production, complex use and recycling of biomass, as energy source, its ecological impact and role in landscape management” – 514 million HUF

**2003:** FVM 98857/26/2003: “Research development in integrated apple production” Working group 3: “Developing a preventive, non-antibiotic-based protection system against *Erwinia amylovora*, causative agent of fireblight”

#### Participant:

**2012-2013:** TÁMOP-4.1.2.A/1-11/1 "Megújuló gyógyszerészeti kompetenciák gyakorlatorientált elsajátítását szolgáló digitális tananyagok kifejlesztése magyar és angol nyelven, az egyetemi oktatók felkészítése a 21. század oktatási kihívásaira" – 60 million HUF

**2010-2012:** 06524/825 TÁMOP 4.2.1/B-09/1/KONV-2010-0006: Project 4: “Nectar production of *Cotoneaster* species as a function of biotic and abiotic environmental factors” – 10 million HUF

**2009-2012:** OTKA K 76176: “Plant biological significance of carotenoids and carotenoid isomers” – 14.4 million HUF

### **Study trips:**

#### 2005 October-November: India:

- University of Delhi: Dept. of Botany
- Botanical Survey of India, Dehradun – annual congress: oral presentation
- Dr. B.R. Ambedkar University, Agra: Dept. of Botany

#### 2006 January-June: USA, Cornell University:

- investigation of the floral and pollination biology of *Asimina triloba* (Annonaceae)
- gaining experience in laboratory techniques of molecular biological

#### 2007 March, 2008 March: Izrael, MIGAL Galilee Technological Institute

- investigation of compatibility relations in pome fruits with molecular biological methods
- study of the Israeli flora

### **Scientific awards:**

2003 – Award of Scientia Amabilis Foundation for Hungarian Plant Physiology

2018 – S.N. Chaturvedi Memorial Life Time Achievement Award

### **Scientific Activity:**

#### **Memberships:**

Hungarian Pharmaceutical Society

Hungarian Society for the History of Pharmacy

Hungarian Society of Biology - Botanical Division, Pécs Division

International Society for Horticultural Science ISHS)

Society of Plant Reproductive Biologists (SPRB) – additional secretary

**Secretary (2002-2005):** Pécs Committee of the Hungarian Academy of Science – Division of Biology

#### **Congress organizing:**

**2008:** “Medicinal Plants in Modern Phytotherapy” symposium – Pécs, 11-12 April 2008 – member of the Organising Committee

**2012:** „2nd Global Congress on Plant Reproductive Biology” international conference – Pécs, 15-18 April 2012 – member of the Organising Committee and head of the Scientific Committee

**2012:** “XIV Hungarian Symposium on Plant Anatomy” symposium – Pécs, 28-29 September – member of the Organising Committee

### **Language skills:**

2011: PROFEX language exam for specific purposes in medicine and health sciences,

*English*, advanced level, complex (1402873/2011)

1991: state language exam, *English*, general, medium level (210/1991)

1990: state language exam, *German*, general, medium level (78674/1990)