

# CURRICULUM VITAE KATALIN SOLYMOSSI

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## STUDIES, DEGREES

**2023: Habilitation**, Eötvös Loránd University (ELTE), Budapest, Hungary

**2005: Ph. D.**, Summa cum laude, Experimental Plant Biology Program, ELTE Biology Doctoral School

**2001: MSc in biology** with honors, specialization in plant biology

## EMPLOYMENT

**2009-: assistant professor**, Department of Plant Anatomy, ELTE

**2006-2010: invited lecturer** at the University of Burgundy, Dijon, France (1 month/year)

**2004-2009: teaching assistant**, Department of Plant Anatomy, ELTE

**November 2009 – October 2015 (effectively April 2016):** on **maternity leave**

**LANGUAGE SKILLS** **Hungarian:** native (L1), **French:** advanced level (C1-C2),

**English:** advanced level (C1-C2), **German:** intermediate level (B1-B2)

**TEACHING EXPERIENCE** (since 2001; at BSc, MSc and PhD level, in Hungarian, French and English, at ELTE unless otherwise stated, \* shared course)

*Practices and seminars:* **Plant Anatomy laboratory practice; Plant structure and function 1 laboratory practice; Cell Biology practice\*; Research Methodology; Plant and fungal model organisms; Research methods in Plant Biology\*; Electron microscopic techniques\*; Pharmaceutical Botany laboratory practice** (for pharmacy MSc students at the Semmelweis University in Hungarian and in English between 2005-2020)

*Lectures and special courses:* **General Botany; Introduction to Botany\*; Biology of Crops; Trends in Plant Biology\*; Plastids – Basics and applications\*; Cell biology lecture 1\* and 2\*; Applied Plant Biology and Mycology\*; Plant structure and function 1**

*Lectures in French at the University of Burgundy (MSc):* **Chlorophyll biosynthesis; Plastid biogenesis; UV-VIS absorption and fluorescence spectroscopy; Medicinal plants**

## SUPERVISION, MENTORING

**10 MSc and 7 BSc theses, 1 BSc ongoing, 5 PhD students – ELTE; 1 shared PhD student** - Semmelweis University

- **Students' Scientific Circle (TDK) mentorship: for 7 students at 11 competitions** (three 1<sup>st</sup> places, two 2<sup>nd</sup> places and three 3<sup>rd</sup> places obtained at the university level – BTDK and KTDK, one 1<sup>st</sup> and one 2<sup>nd</sup> place, one Special Award at national level on OTDK, one Special Award at OFKD)

- **Participation in PhD doctoral procedures:** examiner (10 exams), member of the commission (10 exams, out of which secretary in 5 exams), opponent (4 exams) at ELTE, Semmelweis University, Corvinus University, University of Pécs, University of Burgundy

- **Participation in evaluating MSc and BSc theses:** 17 theses (ELTE and Semmelweis University)

## GRANTS

**2002-2005:** participant (PhD student) in the project OTKA T038003 (13.16 M HUF)

**2010-2012:** participant in the project TÁMOP-4.2.1/B-09/1/KMR-2010-0003 (1270.045 M HUF)

**2010-2012:** participant in the project TÁMOP-4.2.1/B-09/1/KONV-2010-0006 (1988.219 M HUF)

**2016-2020 and 2022-2025:** János Bolyai Research Scholarship of the H.A.S.

**2017-2023:** principal investigator of the project OTKA FK 124748 (29.696 M HUF)

**2017, 2018, 2019, 2022, 2023:** Awardee of New National Excellence Program

**2020-2024:** senior participant in the project OTKA K 135607 (47.912 M HUF)

**2021-:** Researcher Mental Health COST Action – CA19117, MC (2021), participant, VNS grantee

**2022-2024:** senior participant, Bulgarian-Hungarian Academy of Sciences bilateral grant (2.73 M HUF)

**2023-:** Sustainable Use of Salt-Affected Lands (SUSTAIN) COST Action – CA22144, MC, Science Communication Coordinator

**2024-2028:** participant in the project OTKA K 146865 (48 M HUF)

## **PUBLICATIONS** [first/corresponding/last author], **REVIEWING AND EDITING**

**ORCID:** [0000-0001-5246-2547](https://orcid.org/0000-0001-5246-2547); **Google Scholar ID:** [Lw7c-QAAAAJ](https://scholar.google.com/citations?user=Lw7c-QAAAAJ); **ResearcherID:** [I-7952-2017](https://pubs.rsos.royalsocietypublishing.org/author/I-7952-2017); **Scopus ID:** [6507027382](https://orcid.org/6507027382)

**Number of papers in international, peer-reviewed journals: 63** [19/10/7]

**Cumulative impact factor: 235.94, h-index:** Google scholar: **32**, WoS: **23**, Scopus: **26**

**Number of book chapters: 8** (6 in English, and 2 in Hungarian) [5/1]

**University textbook/chapter (in Hungarian): 1**

**Conference presentations: 150** (61 at international conferences, 86 presentations)

**Number of independent citations: 1631**

**Reviewing:** journals, Hungarian Scientific Research Fund (OTKA), Polish National Science Centre (NCN), Deutsche Forschungsgesellschaft (DFG), Central Europe Leuven Strategic Alliance (CELSA). **Editorial work:** 2013- *Acta Botanica Gallica* (from 2016 *Botany Letters*); *Frontiers in Environmental Science* later *Frontiers in Sustainable Food Systems* (review editor between 2014-2022); *Frontiers in Plant Science* (review editor from 2017, associate editor from 2020); *The New Phytologist* (from 2023, Advisory board member); editor of 3 special issues (*Mini-Reviews in Medicinal Chemistry*, *Botany Letters*)

## **SCIENTIFIC AWARDS**

**2005, 2007, 2020, 2021, 2022:** Diploma of merit for outstanding consultancy in the Students' Scientific Circle (TDK/OTDK)

**2006:** Prize of Young Plant Anatomist, Greguss Commemorative Medaillon from the Foundation for the Development of Plant Anatomy

**2007 and 2014:** Hungarian Electron Microscopy Award from the Hungarian Society of Electron Microscopy

**2007:** Sigma-Aldrich Award for young scientists, 2nd prize

**2007:** Young Biophysicist Award, first prize with distinction from the Hungarian Biophysical Society

**2007:** L'Oréal-UNESCO Women in Science Scholarship, winner of the age category below 30

**2012:** 1<sup>st</sup> Prize at the competition for Young Plant Biologists of the Hungarian Society for Plant Biology, nomination by the Society for FESPB Award

**2016:** "Promising Young Researcher" award of ELTE

**2023:** Women in Science Excellence Award (Association for Women in Science, H.A.S., UNESCO Hungary)

## **OTHER DISTINCTIONS**

1st Prize: microscopy photo competition of the Hungarian Society of Microscopy (2009, 2010); „Art in Science” microscopy photo competition of the Microscopy Conference 2021, MC2021, Joint Meeting of Dreilandertagung and Multinational Congress on Microscopy

2nd Prize: microscopy photo competition of the Hungarian Society of Microscopy (2010, 2017, 2018); photo competition of the Hungarian Society of Microbiology (2008); microscopy photo competition of the Multinational Congress on Microscopy 2015

3<sup>rd</sup> Prize: microscopy photo competition of the Hungarian Society of Microscopy (2006); photo competition of "The International Year of the Light" of the H.A.S. (category "Light in Sciences", 2015)

## **SCHOLARSHIPS, STUDY TRIPS, COOPERATIONS**

**Autumn 2002:** 2 months, Centre of Excellence, Jagiellonian University, Krakow, Poland

**Spring 2003:** 1 month, Centre of Excellence, Jagiellonian University, Krakow, Poland

**Summer 2005:** 1-week study trip, Jagiellonian University, Krakow, Poland

**Autumn 2006:** 1 month, scholarship of the Embassy of the French Republic in Hungary to the Université de Bourgogne, and 5 more months as an invited lecturer (see Teaching activities)

**Autumn 2008:** short study trip, CNAM-Intechmer, Cherbourg, France

**Summer 2009:** 1-week study trip, Jagiellonian University, Krakow, Poland

**Autumn 2011:** short study trip, University of Gothenburg, Göteborg, Sweden

**Spring 2014:** 1-week study trip, University of Le Mans, Le Mans, France

**Autumn 2016:** 1-week study trip (4x24 h small-angle neutron scattering (SANS) beam time) at the Heinz Maier-Leibnitz Zentrum, Garching, Germany

**Summer 2017:** 10-day-study trip (6x24 h SANS beam time) at Paul Scherrer Institute, Villigen, Switzerland (main proposer of the beam time application)

**Autumn 2018:** 1-week study trip (5x24 h SANS beam time) at Paul Scherrer Institute, Villigen, Switzerland (main proposer of the beam time application)

**Summer 2019:** ~ 2-week study trip (ERASMUS Staff Mobility for Training), Jagiellonian University, Krakow, Poland

**Winter 2020:** short study trip, University of Würzburg, Würzburg, Germany

**June 2022:** 1-week study trip (4x24 h micro-XANES and micro-XRF beam time) at European Synchrotron Radiation Facility, Grenoble, France

## ORGANISATION OF CONFERENCES

**Member of the international organizing committee** (13<sup>th</sup> Multinational Congress on Microscopy), **local organizing committee** (1 international and 4 Hungarian congresses),

**Section chairperson:** at 3 international and 3 Hungarian conferences, **Co-editor of 9 conference Abstract books**

## MEMBERSHIP IN SCIENTIFIC SOCIETIES, SCIENCE POLICY, OTHER FUNCTIONS

**Publications related to science policy:** 12 (2 in Nature Careers), 3 survey analyses, several webinars and mentoring events organized with the Hungarian Young Academy and the Young Academy of Europe (2019-)

**2001-:** Hungarian Biophysical Society (Section of Photobiology, secretary of the section since **2007**, president of the section since **2019**, member of the Supervisory Committee of the Society between **2015-2019**, member of the board since **2019**)

**2002-:** Hungarian Society of Plant Physiology (later: Hungarian Society of Plant Biology) and FESPP

**2006-:** Hungarian Society for Microscopy, European Microscopy Society

**2007-2009:** ERASMUS Coordinator of the Institute of Biology

**2018 -:** Editor of the Facebook page of ELTE Institute of Biology

**2019-2023:** Founding member of the Hungarian Young Academy (member of the board in 2019 and 2020, co-chair 2021-2023, from May 2023 - alumnus)

**2019:** Rapporteur, World Science Forum, Budapest

**2020-:** Member of the Young Academy of Europe; Recruitment Vice-Chair (2020-2022), Vice-Chair (2022-2023), Chair (2023-2024)

**2020-2026:** Member of the Presidential Committee of the H.A.S. dedicated to the Career Path of Women in Science

**2020-:** Founding member and coordinator of the Researcher Division of the ALUMNI organization of Eötvös Loránd University

**2021-:** co-chair of the Danube Region thematic mission of the Academia Europaea Budapest Knowledge Hub

**2021-:** Member of the European Research Area Working group at ALLEA (All European Academies) delegated by the President of H.A.S.

**2022-:** Community Gateway Advisor for Open Research Europe

**2022-:** Member of the Task Force Environment, Sustainability and Climate of Academia Europaea

**2023 –** H.A.S. committee member moderating a forum about "Hungarian as scientific language"

**2023-:** International Science Council (ISC) Fellow

## SCIENTIFIC DISSEMINATION/OUTREACH

**Science dissemination publications:** 14 (1 in English)

**2007, since 2016 every year:** participation at Researcher's Night programs at ELTE

**Since 2021-:** Participation in the secondary school mentoring programme of ELTE

**Since 2007:** Organiser and exhibitor at several individual and joint Arts & Science exhibitions of microscopic images (in Hungary and France)

**2023:** Jury member of the Alexandre Trauner Art and Film Festival (scientific and student films), Szolnok, Hungary