Curriculum vitae

I. Personal data

NAME:	Dr. Tamás CZÁRÁN
DATE OF BIRTH:	01.06.1960.
PLACE OF BIRTH:	Budapest, Hungary
CITIZENSHIP:	Hungarian
MARITAL STATUS:	married to Judit KLOIBER, 1986
CHILDREN:	three, Dorottya (1989), Domonkos (1991) and Boglárka, (1994)
HOME ADDRESS:	Nagyszombat u. 3, H-1036 Budapest, Hungary

PERSONAL WEBPAGE
GOOGLE SCHOLAR PROFILE
RESEARCHGATE PROFILE
RESEARCHERID PROFILE

II. Education and scientific career

Education record:

Primary school: Egry József u. Primary School, Budapest, 1966-1974
Secondary school: József Attila Secondary School, Budapest, 1974-1978
University: L. Eötvös University, Faculty of Sciences, biology, 1979-1984

Employment record:

1984- : Ecology and Theoretical Biology Research Group of the Hungarian Academy of Sciences and the Department of Plant Taxonomy, Ecology and Theoretical Biology, L. Eötvös University, Budapest. Address: Pázmány Péter sétány 1/C, H-1117 Budapest, HUNGARY

Academic experiences:

1988 : Visiting scientist in the Department of Life Sciences, Universita degli Studi di Trieste, Italy

1992 : Visiting scientist at the Institute for Ecosystem Studies, Millbrook, USA

1994-1995: Fellow in the Theoretical Biology Focus Group of Collegium Budapest, Institute for Advanced Study, Budapest, Hungary

2006 : Fellow of Collegium Budapest, Institute for Advanced Study, Budapest, Hungary

1997- : Visiting scientist at the Genetics Department of Wageningen University, regularly cca. twice a year. Address: Droevendaalsesteeg 4, 6708 PB Wageningen, The Netherlands

Degrees, academic titles:

M.A. degree: Theor. Ecology, L. Eötvös University, Faculty of Sciences, 1984.
Candidate of biological sciences: Hungarian Academy of Sciences, 1991.

Ph.D. degree: theor. ecology and population biology, L. Eötvös University, Faculty of Sciences, 1991.

Senior Research Fellow of the Hungarian Academy of Sciences, 1991-2008.

D.Sc. degree: Theoretical Biology, Hungarian Academy of Sciences, 2008.
Research professor, Scientific Advisor of the Hungarian Academy of Sciences, 2009-

Research projects since 1 January 2000:

1999-2001: OTKA (Hungarian Scientific Research Fund) No. **T-029789:** *Populációk és társulások dinamikai és adaptációs folyamatainak vizsgálata térben explicit modellekkel II.* Role: PI.

2000: NWO (Nederlandse Organisatie voor Wetenschappelijk Onderzoek): *The evolutionary significance of sexual reproduction.* Role: PI

2002-2005: OTKA (Hungarian Scientific Research Fund) No. **T-37726:** *Topográfiai és topológiai kényszerek evolúciós és ökológiai rendszerekben*. Role: PI.

2004: NWO (Nederlandse Organisatie voor Wetenschappelijk Onderzoek): *Quorum sensing in bacteria.* Role: PI

2006-2009: OTKA (Hungarian Scientific Research Fund) No. **K-60597:** *Topográfiai és topológiai kényszerek evolúciós és ökológiai rendszerekben 2*. Role: PI.

2006: NWO (Nederlandse Organisatie voor Wetenschappelijk Onderzoek): *The evolution of quorum sensing in cooperating microbes.* Role: PI

2007-2011: OTKA (Hungarian Scientific Research Fund) No. **K-76907:** *Prebiotikus és mikrobiális kooperációs rendszerek evolúciójának térben explicit modellezése*. Role: PI.

2008: PE&RC (Production Ecology & Resource Conservation, C.T. de Wit Graduate School, Wageningen, The Netherlands): *The evolution of somatic fusion in fungi*. Role: PI

2009: NWO (Nederlandse Organisatie voor Wetenschappelijk Onderzoek): *Cellular automaton models for the evolution of somatic fusion.* Role: PI

2010: PE&RC (Production Ecology & Resource Conservation, C.T. de Wit Graduate School, Wageningen, The Netherlands): *The social evolution of somatic fusion – the role of spatial population structure.* Role: PI

2011: NWO (Nederlandse Organisatie voor Wetenschappelijk Onderzoek): *The synergistic evolution of cooperation and pre-language communication.* Role: PI

2012-2015: OTKA (Hungarian Scientific Research Fund) No. **K-100806:** *Simulation studies on prebiotic evolution: Infrabiological differentiation in the metabolic replicator system.* Role: PI.

Society memberships:

Member of the Hungarian Biological Society since 1981.
Member and secretary of the Committee of Theoretical Biology and History of Biology (Hungarian Academy of Sciences) since 1990.
Member of the Committee of Population Biology and Evolution (Hungarian Academy of Sciences) since 1990.
Secretary of the Committee of Supraindividual Biology, National Research Fund (OTKA), 1991-1996.
Member of the Advisory Board of the Biological Sciences Division, National Research Fund (OTKA), 2001-2004
Member of the Committee of Bioinformatics, National Research Fund (OTKA), 2008-

Editorial activity:

Abstracta Botanica (Published by L. Eötvös University): editor, 1987-2000.
Community Ecology (Published by Akadémiai Kiadó/Kluwer): editor 2000-.
Selection (Published by Akadémiai Kiadó/Kluwer): editor, 2000-2003.
Nature Frontiers in Population Dynamics (Published by Nature Publishing Group): review editor, 2014-

Awards:

Students'Award of the Hungarian Republic (1984)

Hungarian Academy of Sciences Award (2001)

III. Teaching activity

University courses

- Population Biology (L. Eötvös Univ., from 1987 on).
- Mathematical Ecology (special course for undergraduates, L. Eötvös Univ., from 1988 on)
- Biometry (L. Eötvös Univ., in 1990 and 1991),
- Introduction to Biology (L. Eötvös Univ., from 1993 on)
- Biomathematics (L. Eötvös Univ., from 1995 on)

PhD courses

- Population dynamics in space and time (from 1993 on)
- Information statistical methods in pattern analysis (from 1995 on)

IV. Fields of professional interest:

Population biology of plants and animals
Theoretical ecology (spatiotemporal models of population dynamical processes)
Biostatistics (multivariate analysis of point patterns of plant communities)
Dynamics and evolution of bacteriocin and killer-yeast systems
Cellular automata models in ecological and evolutionary theory
Modelling sociocultural evolution and language evolution

To access my complete list of publications (most of them with full-text PDF links): click ***HERE***