

# CURRICULUM VITAE

Name: **Kinga Turzó, MSc., Ph.D.**



Place and date of birth: **Brassó, 18 of July 1967**

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**Scopus:** <https://www.scopus.com/pages/citationOverview?authorsIds=6603055773&origin=AuthorNamesList>

**MTMT:** <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10020106>

## Education

1985 High-school graduation, Unirea Liceum, Brasov, Romania

1989 Diploma in physics, Faculty of Physics, University of Bucharest, Romania (nr: F-1354, naturalization diploma nr: 2/1995)

2000 PhD degree in physics, University of Szeged (summa cum laude, nr: TTK-37/2000)

2014 Habilitation (No. 10/2014) Clinical Doctoral School, University of Szeged

## Languages

English, medium degree, 1991 (nr: A-02229/1991), Romanian, high degree, 1993 (nr: 466-838), French, basic degree, 2000

## Work experiences

1991-2001 assistant professor and research fellow, Department of Biophysics, (JATE, from 2000 Faculty of Science), University of Szeged, Szeged

2001-2004 research fellow, Department of Dentistry and Oral Surgery, Faculty of Medicine, University of Szeged

2004-2011 senior research fellow, Department of Prosthodontics and Oral Biology, Faculty of Dentistry, University of Szeged

2011-2019 associate professor, Department of Oral Biology and Experimental Dental Research, Faculty of Dentistry, University of Szeged

2018- associate professor, Department of Oral Diagnostics, Dental School, Medical Faculty, University of Pécs

## Research fields

- Bacterial photosynthesis, spectroscopic methods in biophysics.
- Biointegration of alloplastic materials, application of biophysical and surface science methods in dental sciences. Physical-chemical and biochemical surface modifications of titanium dental implants to improve their bio- and osseointegration.

### **Other scientific activities**

1992 - 2002: Member, Hungarian Biophysics Society

2002 - 2019: Member, Academic Commission of Szeged Scholastic Club

2002 - 2018: Member, International Association of Dental Research (IADR), Continental European Division (CED)

2017 - Member, Hungarian Dentists Association (MFE)

2024 - European Association for Osseointegration (AO)

### **University positions**

2013 – 2014 Visiting committee member of the Hungarian Higher Education Accreditation Committee (MAB) in the parallel program accreditation procedure of medicine, health and sport sciences training fields

2013 – 2014 Member of the Curricular Committee of the Dental Faculty of University of Szeged

2013 – 2019 Member of the Scientific Board of the Dental Faculty of University of Szeged

2012 – 2015 Chair of the Educational Board of the Dental Faculty of University of Szeged

2012 – 2018 Faculty council member of the Medical Faculty of University of Szeged

2012 – 2019 Faculty council member of the Dental Faculty of University of Szeged

2009 – 2012 Erasmus coordinator of the Dental Faculty of University of Szeged

2012 – 2015 General deputy dean of the Dental Faculty of University of Szeged

2015 – 2018 Dean of the Dental Faculty of University of Szeged

2019 – Board member of the Dental School of University of Pécs

2023 – Head of the Propaedeutic Unit, Dental School of University of Pécs

### **Mobility for research and education, invited visits**

1997 CNRS, Gif-sur-Yvette, France, 1 month

2001 Université Louis Pasteur, Strasbourg, France, 3 months

2003 Université Louis Pasteur, INSERM, Strasbourg, France, 2 weeks

2007 – 2008 UNTHSC, Department of Molecular Biology and Immunology, Fort Worth, Texas, USA, 11 months

### **Invited lectures and organizing conferences**

2008 K. Turzó: Improving Biointegration of Titanium Implants by Surface Modification. University of North Texas Health Science Center (UNTHSC), Department of Molecular Biology and Immunology, Fort Worth, Texas April 14, 2008

2010 K. Turzó: Effects of fluoride and of chemical cleaning agents used for the treatment of peri-implantitis on titanium implant surfaces. 54ème Congrès Annuel du GIRSO, La Grande Motte, France 22-24 Avril 2010

2014 K. Turzó: Biointegration of Dental Implants and Surface Modifications, 1st International Congress, Arad, Facultatea Vasile Goldis Stomatologie, Noutăți și Perspective, Arad, Romania, 29-31 May 2014

2013 K. Turzó: Biointegration of Dental Implants and Surface Modifications, Universidad Europea de Madrid, 4 of April 2013

2016 K. Turzó: Biointegration and Surface Modification of Dental Implants, Congresul De Medicină Dentară cu Participare Internațională, A XXI-A Ediție a Zilelor Stomatologice Bănațene, Timisoara Medical Days Timisoara, Romania, 19 May, 2016

2016 K. Turzo: Biointegration and surface modifications of dental implants, Faculty of Stomatology Vasile Goldis, Conference, Arad, Romania, 27 October 2016  
2024 K. Turzo: Interaction of Fluoride with Titanium Dental Biomaterials, Osijek – Pécs Scientific Conference, 9 May, 2024, Osijek, Croatia

2011 Organizing Secretary of the Dental Students Circle Conference in 2011 (FDK, Szeged, 15 April 2011). Place: University of Szeged, Faculty of Dentistry, president: Prof. Dr. Zoltán Rakonczay

2017 Head of the Dental Meeting and Scientific Conference in Szeged, University of Szeged, Faculty of Dentistry, 15-16 September 2017

### **Awards and prizes for research and education activities**

1992 2<sup>nd</sup> prize at the Education Development grant of the Hungarian Biophysical Society. Title: "Study of the heath exchange of the medium in a model system"

1995/96, 1996/97, 1999/2000 - years „Medical Student Union-English Program” award as the best practical teacher in biophysics, „Outstanding Practice Leader” title, Medical Faculty, University of Szeged

2003 Organizing Committee Award, XV. Hungarian Dental Prosthodontics Association, V. Hungarian Dental Implantology Association, XIII. Hungarian Periodontology Association Congress, Budapest, August 28-30, 2003

2003 György BÉKÉSY postdoctoral fellowship

2004 IADR CED Travel Stipend Award

2006 IADR CED Travel Stipend Award

2006 1<sup>st</sup> prize at the Camlog Implant Festival conference, Montreux, Switzerland

2011 János BOLYAI postdoctoral research fellowship (3 years)

2023 Authors' Festival recognition, Medical Faculty, University of Pécs

### **Scientific and Educational grants**

2003-2005 „Surface Improvement of Metal Implants: New Preparation Methods and New Materials” SIMI EU5 Growth Program, GRD3-2001-61801, Coordinator: Dr. Frédéric Cuisinier, Université Louis Pasteur, Strasbourg, 77.000 EUR (participant)

2003-2005 "Osseointegration of bone morphogenic protein coated implants". German-Hungarian Bilateral Intergovernmental S&T cooperation, D-18/02. German partner: Dr. Herbert Jennissen, Institute of Physiological Chemistry, Div. of Biochemical Endocrinology, University Clinics of Essen, 3.000.000 Ft (participant)

2003 Application of atomic force microscope in life- and inanimate sciences. Project funding the development of research instrumentation (KMA, pr.no.: MU-00328/2003 KPI), 20.000.000 Ft (participant)

2003 György BÉKÉSY postdoctoral fellowship, 2003 (PI, 1 year)

2004 Project funding the development of research instrumentation for histomorphometrical investigation of hard-tissues, pr. no.: GVOP-2004-3.2.1 (KMA), 15.000.000 Ft (participant)

2006 – 2008 *In vivo* and *in vitro* investigations of the biointegration of titanium implants modified by physico-chemical and biochemical surface techniques. ETT-434/2006, 1.800.000 Ft (coordinator)

2009-2011 The effect of ABO blood type antigens and secretor status on dental caries in children ETT-248/2009, 2.400.000 Ft (participant)

2011-2014 János BOLYAI research fellowship of the Hungarian Academy of Sciences (PI)

2011-2013 „New (non-surgical) treatment modalities of peri-implant infections using TiO<sub>2</sub>-Au-Ag core-shell composite" (TÉT\_10-1-2011-0708). French partner: Prof. Dr. Frédéric CUISINIER, UFR Odontologie, Université Montpellier I, Montpellier, France, (PI) 830.000 Ft

2012-2014 TÁMOP-4.2.2.A-11/1/KONV-2012-0047, „Biological and environmental responses to newly developed functional materials", participant

2013-2015 „Study of the effect of the interaction of environmental and genetical factors in immune mediated and tumor diseases". TÁMOP-4.2.2.A-11/1/KONV-2012-0035, 20.000.000 Ft, participant

2014-2015 „Coordinated, practice-oriented, student -friendly modernization of biomedical education in three Hungarian universities (Pécs, Debrecen, Szeged), with focus on the strengthening of international competitiveness." TÁMOP-4.1.1.C-13/1/KONV-2014-0001, participant

2014-2016 FP7-SME-2013 606624 Nanoti „Development of a titanium dental implant with superior antibacterial properties", participant

2016 – 2018 EFOP-3.4.3-16-2016-00014, Institutional developments in higher education to jointly improve the quality and accessibility of higher education, participant, HUF 3.8 billion

2016 – 2019 GINOP-2.3.2-15-2016-00011 Molecular examination of oral cavity diseases Supervisor(s): Dr. János Minárovits, Prof. Dr. Csaba Hegedűs (Faculty of Dentistry, University of Debrecen), Dr. Gergely Maróti (MTA SZBK Institute of Biochemistry), participant, HUF 269 million

2017 – 2019 GINOP-2.2.1-15-2017-00039 Development of a new dental implant system that takes risk factors and periodontological aspects into account. Consortium leader: Denti System Kft., Szentendre, Hungary, PI, HUF 210 million

2017 – 2019 EFOP-4.2.1-16-2017-0014, infrastructural development of the education and training background of the University of Szeged, creation of medical skill labs, technological modernization, HUF 6.9 billion, establishment of Dental Training Block: HUF 1.4 billion, leading the project of the Faculty of Dentistry, University of Szeged

2019 „ÁOK-TANDEM\_pályázat\_2019\_09\_16\_Turzó Kinga" Medical Faculty, University of Pécs, PI, 2 million HUF

2023 „ÁOK-TANDEM\_pályázat\_2023\_04\_04\_Turzó Kinga" Medical Faculty, University of Pécs, PI, 2 million HUF

## **Reviewer activities**

Cell Biochemistry and Biophysics, BioMedical Engineering OnLine, Materials Science and Engineering C, Applied Surface Science, Bioengineering, Biomedicines, Biomimetics, International Journal of Environmental Health and Public Health, International Journal of Molecular Sciences, Journal of Composites Science, Journal of Functional Biomaterials, Journal of Personalized Medicine, Materials, Medicina, Polymers, Magyar Nőorvosok Lapja

## **Editorial Board Positions**

- Scientific Editor of the Special Issue of Medicina: "Bio- and Osseointegration in Dentistry",
- [https://www.mdpi.com/journal/medicina/special\\_issues/osseointegration\\_dentistry](https://www.mdpi.com/journal/medicina/special_issues/osseointegration_dentistry)
- Guest Scientific Editor of Materials, Special Issue: „Surface Properties and Surface Characterization of Dental Materials", <https://mdpi.com/si/206002>

### **Referee of applications, grants**

University of Pécs, Medical Faculty Research Fund, University of Pécs, LJDÖ and full professorship applications (2021- )

### **Gradual and post gradual educational activities**

#### Gradual:

1991 - 2001 *Medical Physics* for Hungarian and English program students, practice and lecture, University of Szeged

1994 - 1999 *Biophysics* practice for biology students, University of Szeged

1997 - 2001 *Special biophysical investigation methods* practice for students in biology and physics, University of Szeged

1998 Contributor in the academic student circle work of Zoltán FILUS, 3<sup>rd</sup> prize at the National Student Circle Conference,. Title: Energetics of P\*QA→P+QA- photosynthetic charge separation, University of Szeged

2002 - *Oral biology* lectures for 3<sup>rd</sup> year students in dentistry (Hungarian and English) University of Szeged and University of Pécs

2005-2018 lectures in *Introduction to dentistry (1<sup>st</sup> year), Dental implantology, Oral surgery (5<sup>th</sup> year)* subjects, University of Szeged

2005 - *Bio- and alloplastic materials in dentistry* lectures for 2<sup>nd</sup> and 3<sup>rd</sup> year students in dentistry (Hungarian and English), University of Szeged and University of Pécs

2005 - *Dental materials and technology* lectures for 2<sup>nd</sup> year students in dentistry (Hungarian and English), University of Szeged and University of Pécs

2007 – 2018 *Dental biometry and evaluation of research results* compulsory lectures and seminars for 4<sup>th</sup> year students in dentistry (Hungarian and English), University of Szeged

2013-2018 *Physics for dental students* compulsory lectures for 1<sup>st</sup> year students in dentistry (Hungarian and English), University of Szeged

2019 - *Biophysics seminar for dental students*, 1<sup>st</sup> year (Hungarian and English), University of Pécs

2001 – examiner in Hungarian and English subjects

#### Development of new subjects:

- *Biomaterials and biocompatibility in dentistry*, one semester lectures (2 hours/week) and developing e-learning material in the frame of the TÁMOP-4.1.1.C-13/1/KONV-2014-0001 project
- *Dental biometry and evaluation of research results*, one semester lectures (2 hours/week)
- *Physics for dental students*, two semester lectures (2 hours/week)
- *Biophysics seminar for dental students*, two semester lectures (1 hour/week)

Since 2001- Supervisor of 24 diploma works, from these 7 students gained Student Circle Conference awards.

#### Postgraduate:

2002 – 2018 Presentations at the scientific meetings of the Association of the Hungarian Dentists in Southeastern Hungary, University of Szeged

17 of February 2020: „Bioanyagok, életünk részei” lecture at Scientific session of the Department of Medicine and Health Sciences of the University of Pécs

26 of May 2022: Turzó Kinga, Patczai Balázs és Patonai Zoltán: Bioanyagok, életünk részei: orvosi- és fogorvosi implantátumok. University of Pécs, János Szentágothai Research Center

PhD course:

1998 ESF advanced summer school on „Structure and Dynamics of Photosynthetic Membranes”, 1998

since 2020: **OPMU\_B-1/2013\_TUK1**, „Investigation of the biointegration of medical and dental implants” title, Interdisciplinary Medical Doctoral School of University of Pécs

PhD supervision:

13 PhD students, from which 7 students obtained their degree, Faculty of Dentistry, University of Szeged and Dental School, Medical Faculty, University of Pécs

[https://doktori.hu/index.php?menuid=192&lang=EN&sz\\_ID=5384](https://doktori.hu/index.php?menuid=192&lang=EN&sz_ID=5384)

2012 - Opponent for 8 Ph.D. thesis

2005 – 2024 PhD supervisor of two programs: „Investigation of the biointegration of dental implants with biological surface science methods” and „Influence of the microstructure of implant surface and surface modifications for enhancing biointegration of dental implants”, Faculty of Dentistry, University of Szeged

2015 – 2019 core member of the Clinical Doctoral School of University of Szeged

2019 - core member of the Interdisciplinary Medical Doctoral School of University of Pécs (80%) and supervisor of the Clinical Doctoral School of University of Szeged (20%)

Publication activity (according to MTMT, 18.10. 2024)

[https://www.mtmt.hu/osszefoglalo\\_tablazat/10020106](https://www.mtmt.hu/osszefoglalo_tablazat/10020106)

Number of English language publications in international peer-reviewed journals: **28**

Publications in Hungarian peer-reviewed journals (Hungarian and English): **9**

Book chapter (English): **1**

Conference peer-reviewed publications: **1+2** (Hungarian and English)

University educational textbook chapter: **1**

Educational chapters: **2**

Citable abstracts: **77**

All scientific publications: **148**

IF of all peer-reviewed articles: **84.340** (data until 2024 August)

Q1/D1 publications: **7**, Q1 publications: **19**

Q2 publications: **7**

Independent citations: **487**

Citations for first and last author articles: **194**

Last ten year citations: **204**

**H index: 12, of which 1 as first author and 5 as last author.**

Pécs, 4 of November, 2024