

Dr. habil Rita Ambrus PhD; Associate Professor



University of Szeged, Institute of Pharmaceutical Technology and Regulatory Affairs
Hungary, Szeged

<http://www2.pharm.u-szeged.hu/gytfi/hu/munkatarsak/oktato-kutato/168-dr-ambrus-rita>
<https://u-szeged.hu/ice/drug-development/nanotechnology>

Qualifications, academic degrees:

Pharmacist diploma, University of Szeged (SZTE), 2003

PhD. Degree, University of Szeged (SZTE), 2007

Master degree, University of Szeged (SZTE), 2009

Habilitation, University of Szeged (SZTE), 2015

Places of work, post:

Associate Professor University of Szeged, Institute of Pharmaceutical Technology and
Regulatory Affairs 2018-

Research activity:

Enhancement of the bioavailability of poorly water soluble drugs with the use of cyclodextrins and polymers;

Formulation and investigation of nanocrystals, nanosuspensions to improve the dissolution and permeability of poorly soluble drugs;

Particle engineering; Sonocrystallization

Pulmonary and nasal delivery

Publication activity:

160 publications (IF: 486,833)

171 abstracts

1450 independent citations/H index: 27

Q1/D1 type of publication: 63/27

First or corresponding author: 70

Publication list:

<https://u-szeged.hu/ice/drug-development/nanotechnology/publications-200122-1>

Reviewer activity:

In 6-8 journal/year

Acta Pharmaceutica Hungarica editorial board member

Pharmaceutics-Editor of special issue

Molecules- Editor of special issue

Role in scientific associations and professional organizations:

member of the Hungarian Pharmaceutical Society

member of the Hungarian Chemical Society

Awards:

2002, application submitted to the Hungarian Academy of Sciences,

Academic Committee of Szeged, 2nd place

2004, application submitted to the Hungarian Academy of Sciences, Academic Committee of Szeged, 3rd place

2007, 7th Ottó Clauder Memorial Competition, special prize awarded

2013-2014, Zoltan Magyary National Excellence Scholarship

2014-2017 Janos Bolyai Scholarship

2017-2018 New National Excellence Scholarship

2019 and 2021. Best supervisor of the Year at Faculty of Pharmacy

2019 Young scientist of the year at University of Szeged

2022 Best Innovative PhD work at Uni Szeged, supervisor

Supervisor activity:

15 PhD works

19 Diplomaworks

Longer research scholarships/scientific trips:

SOCRATES/ERASMUS scholarship (3 months) University of Pavia, Faculty of Pharmacy 2006. Febr.-2006. May.-Hungarian/Slovenian bilateral cooperation (3 months) University of Ljubljana, Faculty of Pharmacy 2007. Oct.-2007. Dec.-DAAD scholarship (8 days) Martin Luther Universitat, Halle Wittenberg 2011, 2018 October (8 days) University of Santiago de Compostella/Spain, 2018-2019 (15-15 days) University of Novi Sad

International Cooperations:

University of Pavia, Italy – Prof. Giampiero Bettinetti, Dr. Milena Sorrenti

University of Parma, Italy– Prof. Rugero Bettini, Prof. Paolo Colombo

University of Ljubljana, Slovenia – Prof. Stane Srcic, Prof. Julijana Kristl

University of Medicine and Pharmacy, Timisora, Romania – Prof. Cristina Dehelean

Delft University of Technology, Netherland –Dr. Norbert Radacsi

University of Edinburgh, England- Dr. Norbert Radacsi

University of Halle-Wittenberg, Germany – Prof. Joahim Ulrich

University of Novi Sad, Serbia- Prof. Senka Vidovic

University of Santiago De Compostella – Prof. Noemi Csaba

University of Cluj-Napoca, Romania – Prof. Tomuta Ioan

Research projects/Fundings

2016-2020. Project leader GIONOP 2.2.1 15_2016 00007_Richter/SZTE/SZBK_innovatív gyógyszeripari kutatásfejlesztések című projektben./ Innovative pharmaceutical R & D

2017-2021. GINOP 2.3.2 15_ Development and targeting new active pharmaceutical ingredients by means of new drug-carrier systems

2017-2021. Project leader GINOP 2.3.2-15-2016-00036_ Development and application of multimodal optical nanoscopic methods in life-, and material research

2017-2020. Project leader EFOP-3.6.2-16-2017-00006 LIVE LONGER – Development of modern medical diagnostic procedures and therapies in a translational approach: from bench to bedside

2017-2019. Project leader TÉT_16-1-2016-0167 Application of spray drying technology for production of innovative products by utilization of wastes and by-products obtained through agro-food chain in Serbia and Hungary

2018-2021 Project leader Ministry of Human Capacities, Hungary grant 20391-3/2018/FEKUSTRAT

2021-2023. Project leader 2019-2.1.11-TÉT-2020-00147 Hungarian-Slovenian bilateral cooperation : Development of nanoformulation to improve physico-chemical properties of the drugs

2021-2023. Project leader 2019-2.1.11-TÉT-2020-00146 Hungarian-Slovenian bilateral cooperation :- Encapsulation of polyphenol-rich extracts obtained from food industry residual raw materials and characterization of the encapsulated particles

Organization of scientific conferences:

- 12th Central European Symposium on Pharmaceutical Technology and Regulatory Affairs, 2018. szeptember 20-22 of organizing committee
- I. Symposium of Young Researchers on Pharmaceutical Technology, Biotechnology and Regulatory Science, Szeged, 2019. jan. 06, member of scientific committee
- ICAPP 2019 - 1st International Conference on Advanced Production and Processing, NoviSad 2019. okt 10-11, member of scientific committee
- II. Symposium of Young Researchers on Pharmaceutical Technology, Biotechnology and Regulatory Science, Szeged, 2020. jan 23-24, member of scientific committee
- The 1st International Electronic Conference on Pharmaceutics session Cyclodextrins in Pharmaceutics. 2020. Dec. 1-15, member of scientific committee
- III. Symposium of Young Researchers on Pharmaceutical Technology, Biotechnology and Regulatory Science, Szeged, 2021. jan 20-22, member of scientific committee
- IV. Symposium of Young Researchers on Pharmaceutical Technology, Biotechnology and Regulatory Science, Szeged, 2022. jan 19-21, member of scientific committee
- ICAPP 2022 – 2nd International Conference on Advanced Production and Processing, NoviSad 2022. okt 20-22, member of scientific committee
- V. Symposium of Young Researchers on Pharmaceutical Technology, Biotechnology and Regulatory Science, Szeged, 2023. jan 18-20, member of scientific committee

Szeged, 2023

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