

CURRICULUM VITAE

PERSONAL DATA

Name: Norbert Miskolczi
Nationality: Hungarian
Date of Birth: 06. 01. 1978
E-mail: mnorbert@almos.uni-pannon.hu

EDUCATION

dr. habil. (University of Pannonia, Veszprém, 2021)
PhD (University of Pannonia, Veszprém, 2005)
MEng in Chemical Engineering (Veszprém University, Veszprém, 2001)
Chemist (Erdey-Grúz Tibor Chemical Technical School, Debrecen, 1996)

WORKING EXPERIENCE

2020-: Head of MOL Department of Hydrocarbon and Coal Processing, University of Pannonia
2017-2020: Head of Chemical Engineering and Process Engineering Institute, University of Pannonia
2013: Tomas Bata University, Zlin, Czech Republic
2009-: Associate professor, University of Pannonia, MOL Department of Hydrocarbon and Coal Processing, Veszpre, Hungary
2008-2009: Research Fellow, University of Leeds, Energy and Resource Research Institute, Leeds, United Kingdom
2007-2008: Assistant professor, University of Pannonia, Department of Hydrocarbon and Coal Processing, Veszpre, Hungary
2006-2007: Assistant lecturer, University of Pannonia, Department of Hydrocarbon and Coal Processing, Veszpre, Hungary
2006: Research fellow, University of Pannonia, Department of Hydrocarbon and Coal Processing, Veszpre, Hungary

OTHER VISITS

2005: BASF (Ludwigshafen, Germany, 2 weeks)
2006: Institute of Heavy Organic Synthesis (Kedzierzyn-Kozle, Poland, 3 days)
From 2006: University of Leeds (Leeds, UK, occasionally)
From 2011: Tomas Bata University (Zlin, Czech Republic, occasionally)
2014, 2015, 2017: Anadolu University (Eskisehir, Turkey, Erasmus Staff Mobility, 20 days)
2017: Indian Institute of Petroleum (Dehradun, India, 1 week)

RESEARCH AREA

Waste to fuel processes, waste pyrolysis and gasification, CCU processes, syngas utilization, catalytic processes, biopolymers, polymer blends, plastic reinforcing, additive synthesis for hydrocarbons and plastics.

TEACHING ACTIVITIES

- 2017-2020: Head of the BSc and MSc chemical engineer course
- From 2019: Head of Hydrocarbon Technology Development Engineer
- **Hungarian:** Introduction to chemical technology, Modern chemical technologies, Petrochemistry Polymer physics and application, Process design, Polymertechnic, Individual design, Diploma work (BSc, MSc)
- **English:** Petrochemistry, Research topic, Graduation project

SCIENTIFIC-EDUCATION ACTIVITY

Supervision of TDK report: 7; Supervision of BSc thesis: 10 theses/50 students; Supervision of MSc thesis: 27; Supervision of PhD dissertation: degree: 3 (workplace version under development: 4.5); Opponent of PhD dissertations: 3 (1 domestic and 2 foreign)

MAIN RECENT PROJECTS

- Hungarian-Indian (KTIA-DST) R&D&I Program (TÉT_13_DST-1-2014-0003) “Clean Fuel Recovery by chemical recycling of plastic and biomass waste
- Horizon 2020, Marie Curie Research and Innovation Staff Exchange (RISE) (MSCA-RISE-2014 (Flexi-pyrocat, No.: 643322)) “Development of flexible pyrolysis-catalysis processing of waste plastics for selective production of high value products through research and innovation”
- Horizon 2020, Marie Curie Research and Innovation Staff Exchange (RISE) (MSCA-RISE-2018 (BIOMASS-CCU, No.: 823745)) “Biomass gasification with negative carbon emission through innovative CO₂ capture and utilisation and integration with energy storage”
- Horizon 2020, Marie Curie Research and Innovation Staff Exchange (RISE) (MSCA-RISE-2019 (ZEOBIOCHEM, No.:872102)) “Advanced Zeolite Catalysis for Sustainable Biorefinery to Produce Value-added Chemicals”

PUBLIC ACTIVITY

a) Memberships

- Institution of Chemical Engineers (IChem^E) (from 2000)
- Hungarian Chemical Society (from 2002) (from 2019, member of executive committee)
- HAS, Veszprem region organization (Secretary) (from 2015)
- Open section of Hungarian Academy of Sciences (member) (from 2008)
- ÁMEI Zrt, member of supervisory board (from 2017)
- VEAB Tudományos Alapítványa, board member (from 2021)
- MTA Chemical and environmental technology working group (member)
- VEAB Petroleum and gas working group (member)
- Hungarian Standards Institution, working group of petroleum products, lubricants and related products (member) (from 2021)

c) Journal editorial board

- Carbon Capture Science and Technology
- Hungarian Journal of Industry and Chemistry
- Waste Forum

d) Guest editors

- Journal of Chemistry
- Process Safety and Environmental Protection

e) International conference organization

- 1st EuCheMS Congress on Green and Sustainable Chemistry, 2013 (secretary)
- 7th International Conference on Clean and Green Energy-ICCGE 2018 (scientific committee)
- Symposium on Solid Waste & Biomass: Thermo-Chemical Conversion 2018 (scientific committee)
- 10th International Symposium on Feedstock Recycling of Polymeric Materials 2019 (scientific committee)
- 8th International Conference on Clean and Green Energy-ICCGE 2019 (scientific committee)
- 9th International Conference on Clean and Green Energy-ICCGE 2019 (scientific committee)
- 10th International Conference on Clean and Green Energy-ICCGE 2019 (scientific committee)
- FRPM 21, European Meeting on Fire Retardant Polymeric Materials (local organizing committee)
- 11th International Conference on Clean and Green Energy-ICCGE 2019 (scientific committee)

f) Publication

- Conference presentation: 188 (125 English and 63 Hungarian)
- Papers: 125 (97 English and 28 Hungarian)
(D1: 30; Q1: 17; Q2: 12; Q3:16; Q4: 2)
- Impact factors: 203
- h-index: 23 (based on Scopus), 26 (based on Google Scholar)
- Book chapter: 3
- References: 1764 (based on Scopus), 2539 (based on Google scholar)
- University book: 1
- e-book: 3
- Patents: 3

AWARDS

- József Varga Award (University) (2009)
- János Bolyai Scholarship (2009)
- GTE Literature Award (2010)
- World Petroleum Congress Youth Awards II (2011)
- Researcher of the year 2012 (VEAB) (2012)
- University of Pannonia, Faculty of Engineering, Young Scientists Award (2015)
- National Excellence Program Scholarship (2017-2018)

DOMESTIC AND INTERNATIONAL RESEARCH-EDUCATION RELATIONSHIP

- **Australia:** University of Sydney, Macquarie University
- **Czech Republic:** Tomas Bata University
- **Denmark:** Danmarks Tekniske Universitet
- **United Kingdom:** University of Leeds, Queen's University of Belfast, University of Liverpool, Aston University, University of Manchester
- **India:** CSIR-Indian Institute of Petroleum
- **Japan:** University of Tokyo
- **China:** Hebei University of Technology, Institute of Engineering Thermophysics, Chinese Academy of Sciences, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Zhejiang University, Xi'an Jiaotong University, Huazhong University of Science and Technology, Tsinghua University, Jilin University, Tianjin University, East China University of Science and Technology
- **Poland:** AGH University of Science and Technology
- **Hungary:** MTA TTK
- **Spain:** University of the Basque Country, Universidad de Alicante
- **Thailand:** Vidyasirimedhi Institute of Science and Technology
- **Turkey:** Eskişehir Technical University, Kocaeli University, Uşak University

Veszprém, 15 August 2021