

Curriculum Vitae – Marko D. Mihovilovic

Marko D. Mihovilovic, Univ.Prof. Dipl.-Ing. Dr.techn.

Dean of the Faculty for Technical Chemistry

Full Professor for Bioorganic Synthetic Chemistry

TU Wien



Dynamic and target-oriented scientific manager with 12+ years of experience in heading academic institutions at various levels with strong capabilities to accompany re-positioning and turn-around processes during phases of change, challenges and crisis. Excellent scientific track record at the chemistry-biology interface in basic and applied research. Past achievements include successful mentoring of pre- and post-graduate students as well as tenure track candidates.

📍 TU Wien, Getreidemarkt 9/150
A-1060 Wien, Austria
✉ marko.mihovilovic@tuwien.ac.at

☎ +43-1-58801-15000 (Dean's office)
+43-1-58801-15420 (office IAS)
☎ +43-664-60588 7125

🌐 <https://www.chemie.tuwien.ac.at/>
<http://www.ias.tuwien.ac.at/>
🌐 marko-mihovilovic-3582946
🌐 orcid.org/0000-0002-5438-8368

Personal data

Date of Birth:	2.3.1970	Place of Birth:	Steyr / Austria
Marital status:	married, 2 children	Nationality:	Austria

Professional Appointments

2020 - present	Dean of the Faculty for Technical Chemistry (TCH)	TU Wien
2020	Shortlisted candidate Rector / CEO	UMIT Tirol (headhunted)
2014 - present	Full Professor for Bioorganic Synthetic Chemistry	TU Wien
2013 - 2019	Head of the Institute of Applied Synthetic Chemistry (IAS)	TU Wien
2010 - 2019	Head of the Research Group Bioorganic Synthetic Chemistry (BSC)	TU Wien
2008	Full Professor in Bioorganic Chemistry / appointment declined	JKU Linz
2004 - 2013	Associate Professor for Bioorganic Chemistry	TU Wien

Educational History

2003	Venia docendi (Habilitation) for Bioorganic Chemistry	TU Wien
1998	Erwin Schrödinger Postdoctoral Fellow / J.D. Stewart group	University of Florida, USA
1997	Erwin Schrödinger Postdoctoral Fellow M.M. Kayser group	Univ. of New Brunswick, Canada
1996/97	Mandatory Military Service	Austrian Army
1994 - 1996	PhD under the supervision of P. Stanetty	TU Wien
1988 - 1993	Study of Technical Chemistry / Organic Chemistry	TU Wien
1980 - 1988	Grammar School	Linz, Upper Austria
1976 - 1980	Primary School	St. Georgen/Gusen, Upper Austria

Major Achievements in Leadership Positions

- Initiation, design, and implementation of a trilateral MSc program in Green Chemistry
- Streamlining the research portfolio at TCH, leading to a performance increase by 50% within 3 years
- Enforcing female scientist support actions at TCH reaching 25% female professors (from 5%) within 2 years
- Successful turn-around at IAS resolving a budget crash and re-designing organizational structure
- Repositioning research portfolio of the BSC group expanding into medicinal and sustainable chemistry

Research Interests

- Research at the chemistry-biology interface
- Development and utilization of wild-type microorganisms and genetically engineered whole-cell systems as new tools in synthetic chemistry
- Design of multi-step biocatalytic and chemo-enzymatic reaction cascades
- Enabling the "green chemistry" concept with respect to sustainability, atom efficiency, and environmentally benign synthetic methods
- Development new bioactive compounds for medicinal chemistry applications in the area of personalized and precision medicine, neurological conditions and inflammation-related diseases
- Application of concepts of chemical biology focusing in particular on photo-pharmacology and photochemical strategies
- Development of platform technologies for renewables valorization and circular economy

Project Acquisition

Individual & cooperative projects acquired 30
Cumulative third-party funds ~6M€ individual / ~20M€ cooperative

Scientific Dissemination and Supervision

SCI-publications: 224 H-index: 41 / 39 (*Scopus / Web of Science*)
Patent applications: 13 citations: 7592 / 7066
Book chapters: 9 highest cited paper: 1173 / 1048
Books: 1 highest impact journal: 42 (Nat. Catal.)
Invited talks at international conferences and seminars: ~100

Direct supervision of completed or ongoing academic theses/projects:
MSc-theses: 43 PhD-theses: 42 Postdocs: 15 Habilitations: 2+1

Responsible administration of appointment processes (since 2020)
§98 Professorships: 4 §99/4-Professorships: 8 Tenure Track Appointments: 14

Honors (selected)

2004	Thieme Journal Award	2016	Pro Didactica Teaching Award (TCH/TUW)
2009	Uni:Invent Prize (AWS)	2017	Best Teaching Award (TUW)
2011	Emerging Research Area Award (TUW)	2018	Pro Didactica Teaching Award (TCH/TUW)
2013	Inventum Award Silber Medal (AT Patent Office)	2019	Best Teacher Finalist (TUW)
2013	Techniker-Cercle-Fonds Prototype Award	2021	Best Teacher Finalist
2015	Uni:Invent Prize (AWS)		

Scientific Community Services

Memberships: Austrian Society of Chemists (GÖCh)
American Chemical Society (ACS)
Austrian Pharmaceutical Society (ÖPhG)

Delegate representations: GÖCH President of the Working Group Medicinal Chemistry (past)
EuCHEMS Division of Life-Sciences – treasurer (current)
Division of Organic Chemistry (past)
COST Working Groups for Applied Biocatalysis, Green Chemistry (both past)

Advisory Boards: International Advisory Board at the Institute of Organic Chemistry and Biochemistry /
Czech Academy of Sciences
Scientific Advisory Board of the Biotrans conference series
Steering Board of the Blue Danube Symposia on Heterocyclic Chemistry conference series
International Steering Board of the European Colloquium on Heterocyclic Chemistry

Languages

German native
English full professional proficiency