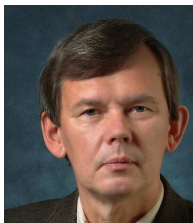


PERSONAL INFORMATION

Maris Klavins



-  Skultes str. 2-46, Riga, LV-LV 1026 (Latvia)
-  (+371) 29479430
-  maris.klavins@lu.lv
-  www.lza.lv/scientists/klavinsm.htm

WORK EXPERIENCE

01/08/1989–Present

Professor

University of Latvia, Riga (Latvia)

2007-2016 Head of Department of environmental science University of Latvia

1996-2007 Dean of Faculty University of Latvia

1995-present Professor University of Latvia

1993-1995 Docent University of Latvia

1989-1993 Head of hydrochemistry group, professor Institute of Biology

1986-1989 Head of sorbent laboratory Institute of Applied Biochemistry

1984-1986 Senior researcher Institute of Applied Biochemistry

1982-1984 Engineer Institute of Applied Biochemistry

1979-1982 Doctoral student University of Latvia

1974-1979 Student University of Latvia

EDUCATION AND TRAINING

1994 Dr. habil. chem. University of Latvia

1992 Dr. chem. University of Latvia

1985 Cand. Chem. Sciences- Moscow State University

PERSONAL SKILLS

Mother tongue(s)

Latvian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	C1	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Lecturing in English language of study courses at University
Invited speaker at international conferences
Participation as an expert in evaluations and accreditations

Supervision of PhD thesis Judīte Dipāne Soil and aquatic humic substances from Latvia and their role in degradation processes of environmental pollutants 2007, Rīga
Linda Eglīte Humic substances, their interaction with soil components and immobilisation of humic substances 2007, Rīga
Ilga Kokorīte Chemical composition of surface waters in Latvia and the underlying factors 2007, Rīga
Iveta Šteinberga Ensemble analysis and modelling of Quasistatic atmospheric pollution levels 2007, Rīga
Sandra Poikāne EU-wide lake ecological classification based on phytoplankton 2009, Rīga
Jānis Šīre Composition and properties of rised bog peat humic acids 2010, Rīga
Inese Silamiķele The Character of Humification and Accumulation of Chemical Elements in Raised-Bog Peat Depending on Its Composition and Formation 2010, Rīga
Ēriks Leitis Ecotourism in protected areas 2012, Rīga
Diana Dudare Interaction of humic substances with metals, 2014 Rīga
Juris Burlakovs Contamination remediation with soil amendments by immobilisation of heavy metals, 2014 Rīga
Oskars Purmalis Peat humic substances and their properties 2015 Rīga
Artis Robalds Peat and its modification products for sorption of Tl(I), Cu(II), Cr (III) and phosphorus 2016 Rīga
Jānis Krūmiņš Low moor peat properties 2016 Rīga

Job-related skills **Study courses**

Environmental pollution
Ecotoxicology
Environmental chemistry and geochemistry
Restoration of polluted environment

RESEARCH AND ORIGINAL ACHIEVEMENT

Major research fields are in environmental pollution and its chemical analysis, aquatic chemistry, sustainable management and quality of water. M.Klavins is supervisor of 5 Ph.D. students, author of numerous (168) scientific articles. In last few years M.Klavins has been involved in development of legislative system of environmental protection in Latvia regarding monitoring system, chemical substances, chemical safety, toxic wastes and especially is doing with the problems of analysis of environmental pollution.

M.Klavins has been leader of several projects related to the environmental issues mostly doing with environmental pollution and management and quality of water, but including also political and social sciences. His experience can be important also considering knowledge of Russian, German and English language, information about conditions in East European countries and NIS as well as traditions and experience of Western countries.

RECENT KEY PUBLICATIONS

- T.Juhna, M.Klavins, L.Eglite (2003) Sorption of humic substances on aquifer material at artificial recharge of groundwater. Chemosphere, 51(9), 861-868
- M.Klavins, V.Rodinov, I.Druvietis (2003) Aquatic chemistry and humic substances in bog lakes in Latvia. Boreal Environ. Res., 8, 113-123

- Zenkevics H., Klavins M., Vose V., Bucena A. (2005) Humic acid reduces gonadotropin activity and hormonal sensitivity of frog oocytes *Aquatic Toxicology*, 75(4), 380 - 383
- M.Klavins, L.Eglite, A.Zicmanis (2006) Immobilized humic substances as sorbents. *Chemosphere*, 62(9), 1500-1506
- M.Klavins, V.Rodinov (2008) Long-term changes of river discharge regime in Latvia. *Hydrol. Res.*, 39(2), 133-141
- M.Klavins, O.Potapovivs, V.Rodinov (2009) Heavy metals in fish from lakes in Latvia: concentrations and trends of changes, *Bullet. Environ. Contamin Toxicol.*, 82, 96-100
- M.Klavins, O.Purmalis (2010) Humic substances as surfactants, *Environ. Chem. Lett*, 8, 349-354 DOI 10.1007/s10311-009-0232-z
- Maris Klavins, Madara Pelhena CONCEPTS AND APPROACHES FOR THE IMPLEMENTATION OF EDUCATION FOR SUSTAINABLE DEVELOPMENT IN THE CURRICULA OF UNIVERSITIES IN LATVIA *Journal of Baltic Science Education* 2010; 9(4):264-272
- M.Klavins, O.Purmalis, V.Rodinov (2013) Peat humic acid properties and factors influencing their variability in a temperate bog ecosystem *Estonian Journal of Ecology*, 62, 1, 35.52 doi: 10.3176/eco.2013.1.04
- D.Dudare, M.Klavins (2013) CHANGES IN THE HUMIC ACID-METALCOMPLEX-FORMING CHARACTERISTICS DEPENDING ON THE HUMIFICATION DEGREE *Fresenius Environmental Bulletin*, 22(2a), 604-613
- M.Klavins, O.Purmalis (2013) Properties and structure of raised bog peat humic acids. *Journal of Molecular Structure* 1050, 103-113
- K.Stankevica, L.Kalnina, M.Klavins, A.Cerina, E.Kaup (2015) Reconstruction of the Holocene palaeoenvironmental conditions accordingly to the multiproxy sedimentary records from Lake Pilvelis, Latvia, *Quaternary International*, 72, 1-14
- W.L.Filho, J.Platje, W.Gerstberger, R.Ciegis, J.Kaaria, M.Klavins, L.Kliucininkas (2015) The role of governance in realising the transition towards sustainable societies. *Journal of Cleaner Production*, DOI: 10.1016/j.jclepro.2015.11.060

Books

- M.Kļaviņš, J.Zaļoksnis (2005) *Ekotoksikoloģija*, Rīga: Elpa2, 357 lpp
- M.Kļaviņš O.Nikodemus, V.Segliņš, V.Melecis, M.Vircavs, K.Āboliņa (2008) *Vides zinātne (M.Kļaviņa redakcija)*. LU Akadēmiskais apgāds: Rīga, 599 lpp.
- M.Kļaviņš, D.Blumberga, I.Bruniniece, A.Briede, G.Grišule, A.Andrušaitis, K.Āboliņa (2008) *Klimata mainība un globālā sasilšana. (M.Kļaviņa un A.Andrušaiša redakcija)*. LU Akadēmiskais apgāds: Rīga, 174 lpp.
- O.Nikodemus, A.Kārklīņš, M.Kļaviņš, V.Melecis. *Augsnes ilgtspējīga izmantošana un aizsardzība (O.Nikodemusa red.)*: LU Akadēmiskais apgāds : Rīga
- *Vides izglītība augstskolā (2009)* M.Kļaviņš, J.Zaļoksnis, red. LU Akadēmiskais apgāds : Rīga
- M.Kļaviņš (2009) *Vides piesārņojums*. LU Akadēmiskais apgāds : Rīga

Projects

1. Properties of humic substances and their roles in degradation of pollutants 2006-2009 Latvia Science Council
2. Surface water information system – SWIFT EU 6th Framework Project 2004-2006
3. Education for water resource management in Uzbekistan (UZWATER) 2012-2015
4. Impact of natural factors on biogeochemical accumulation of carbon in wetlands and humification processes. Latvia Science Council 2009-2012
5. Properties of peat and sapropel and their modification options. Study and Science Administration of Latvia 2014-2018. Subproject of National Research program of Latvia

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Independent user	Independent user

Digital competences - Self-assessment grid