

Curriculum Vitae

Academic Title	Em. O.Prof. Dr. Kroiss Helmut
Family and first name	
Education/ Academic Background	<p>Civil Engineering at Vienna University of Technology (VUT), Doctoral student and assistant professor at the Institute for Water Quality, Resource and Waste Management from 1972 -84 (chair: Prof. v.d. Emde)</p> <p>Doctoral thesis: "New treatment technology for Beet Sugar industry waste water"</p> <p>Habilitation: "Anaerobic waste water treatment"</p>
Occupation/ Current Position	Emeritus at the Institute for Water Quality and Resource Management, national and international consultant and lecturer
Professional career	<p>1972 to 1984 assistant and assistant professor (research and development project manager) at VUT</p> <p>1984 1987 head of the water technology development team in industry</p> <p>1987 to 2012: Full professor and chair of the Institute for Water Quality Management at VUT, national and international consulting and teaching</p>
Focus of Teaching & Main Research Fields	<p>Water quality management: urban water systems, water protection, aerobic and anaerobic waste water treatment for municipalities and industry, (design, construction, operation), nutrient management</p> <p>river basin management with a special focus on nutrient management in international river basins (model development),</p> <p>solution of international water conflicts,</p>
Practical Experience & Expertise	<p>Development of new treatment technologies from lab scale to full scale construction and operation for a variety of industrial and municipal waste water treatment plants; consulting ministries, public authorities, industries, consultants and municipalities,</p> <p>Consulting ICPDR (International Commission for the Protection of the Danube River) and transboundary water commissions</p> <p>WWTP operation: development of and teaching at Austrian treatment plant operator training system</p>
Publications	>200 publications and presentations in a great variety of topics of water quality management in international scientific journals and at international conferences
Functions/Positions within scientific/professional Organizations	<p>National:</p> <p>Chair and vice-chair of the Institute for water quality, resource and waste management at the faculty of civil engineering (VUT)</p> <p>Dean of the faculty of civil engineering (VUT)</p> <p>Vice-chair and member of the Senate of VUT (many years)</p> <p>President and member of the Board of Directors of Austrian Water and Waste Association</p>
	<p>International:</p> <p>Member of the Board of Directors in IAWQ and IWA (2004 to 2016),</p> <p>President of IWA 2014 to 2016</p> <p>IWA immediate past president 2016-2018</p> <p>long term member of EWA (Europe), WEF (US), DWA (Germany);</p> <p>visiting professor in Sofia/Bulgaria, Singapore, Johor Bahru and Kuala</p>

	Lumpur (Malaysia University of Technology)
Additional Information (Honors, Grants, Furtherances etc.)	<p>Votoček Medal (Prague University of chemical engineering),</p> <p>Dunbar Medal (European Water Association),</p> <p>„Ehrenkreuz für Wissenschaft und Kunst 1. Klasse“ (awarded by the President of the Republic of Austria),</p> <p>IWA Distinguished Water Professional</p> <p>Member of the European Academy of Science and Arts (EASA),</p> <p>Honorary membership of DWA (German Water Association), BWA (Bulgarian Water Association) and WEF;</p>