


<p>Erik Arvin Professor emeritus, <i>Curriculum Vitae</i></p>		<p>DTU-Address: DTU Environment. Technical University of Denmark Bygningstorvet. Building 115, 2800 Kgs. Lyngby, Denmark. E-mail: erar@env.dtu.dk. Mob. phone: +45 40628153</p>
<p>Education: The Technical University of Denmark (DTU) , M.Sc. Chemical Engineering.</p>		
<p>Key Qualifications: Research, teaching and innovation within environmental engineering (water supply: water treatment and distribution, wastewater treatment, contaminated groundwater remediation, recirculating aquacultures, swimming pools). Expert in biological and chemical water treatment and water quality, design and mathematical modelling, and water quality monitoring. Coordinator of int. and nat. research projects. Consultant/advisor for state- and regional authorities, private companies, Supreme Court and regional courts.</p>		
<p>Professional Employment Record: 2011- Professor emeritus, DTU Environment 2006-2008 Head, Urban Water Technology Research School at DTU Environment 2000 Full professor, DTU Environment 1987-1988 Visiting associate professor. Stanford University, Dept. Environmental Engineering 1976 Associate professor DTU, DTU Environment 1972 Assistant professor DTU, DTU Environment 1970-1972 NOVO. Enzyme Microbiology and Fermentation pilot plant. 1969 Haldor Topsøe A/S. Modelling of reactors</p>		
<p>Major Professional involvements: Member of the management group at DTU Environment (2003-2007). Head of Innovation (2003). Head of Department 1979-1982. He has been member of the Danish Technical Scientific Research Council (STVF) 1981-1985. Member of and chairman of the Biotechnology and Hygienic Commission (H) 1979-1985. Chairman of the ATV Groundwater Committee 1983-1987. Technical advisor for the Ministry of Environment on soil and groundwater pollution. Member of the Teaching Committee and the Water Supply Committee in the Danish Water and Wastewater Association (DANVA). Member of the executive committee of the Danish IWA National committee. Has been member of the executive committee of the Biofilm Specialist Group in IWA. He has been member of the steering committee of the Danish Research Platform - Water. Former board member in Hundested Water Supply and Rudersdal Supply, and presently member of the board in Birkerød Water Supply, Denmark. Member of the Water Group of the Rudersdal branch of the Danish Society for Nature Conservation.</p>		
<p>Research leadership: Initiator of the PhD-research programme “Urban Water Technology” and head 2006-2008. Project manager of the research & innovation project: AQUA Fingerprint (2009-10) funded by the Danish EPA. Co-ordinator/project leader of 3 EU programmes and major Danish research programmes financed by the Danish Technical Scientific Research Council.</p>		
<p>PhD supervision: Supervised 22 PhD projects.</p>		
<p>Teaching: Lecturing on Wastewater Engineering, Water Supply, Design of Water and Wastewater Plants, Environmental Engineering Science, Environmental Biotechnology, Soil and Groundwater Pollution, Environmental Chemistry, and Environmental Engineering in Developing Countries. Guidance to students in their final year on specialised topics in Environmental Engineering. Supervised approximately 100 M.Sc. thesis projects.</p>		
<p>Publications: Authoring or co-authoring 140 peer reviewed ISI publications, 3454 citations and the h-index is 33 (Web of Science). He has 35 refereed conference papers, 25 non-refereed conference papers, ca. 100 Danish journal papers and conference papers, and 27 Danish scientific reports. Ca.20 book chapters (ca. 1900 citations). Co-author of two patents, 1. Glucose Isomerase (NOVO), 2. BioDenipho Process (Krüger A/S).</p>		
<p>Awards:..1. The Pump Handle Award 2014 - John Snow Society 2. Knight’s Cross of the Order of the Dannebrog, 2009. 3. ATV Soil- and Groundwater Prize 2005 - In memory of Professor Poul Harremoës. 4. DADES Environmental Prize 2000. 5. Limprisen 1987.</p>		

Erik Arvin - List of refereed ISI-Publications and book contributions

- Mnyoro, M.S., Arvin, E., Munubi, R.N., Chenyambuga, S.W., Pedersen, L.F. (2021). Effect of water velocity on ammonium and nitrite removal in pilot scale fixed bed biofilters. *Aquacultural Engineering*, **93**, 102160. doi. 10.1016
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- Arvin, E., Bardow, A., Spliid, H. (2017). Caries affected by calcium and fluoride in drinking water and family income. *J. Water and Health*. **16**(1). 49-56. Doi: 10. 2166/wh.2017.139.
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- Ryssel, S.R., Arvin, E., Holten Lützhøft, H.-C., Olsson, M.E., Procházková, Z., Albrechtsen, H.-J. (2015). Degradation of specific aromatic compounds migrating from PEX pipes into drinking water. *Water Research*, **81**, 269-278.
- Arvin, E., Pedersen, L-F. (2015). Hydrogen peroxide decomposition kinetics in aquaculture water. *Aquacultural Engineering*, **64**, 1-7.
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