

**Name**

Harri Tapio Kankaanpää

**Academic career**

Adjunct professor (Environmental ecology), University of Helsinki, October 10, 2005

Ph. D., organic chemistry, University of Helsinki, February 28.2, 1998

M. Sc., organic chemistry (minors in biochemistry and mathematics), University of Helsinki, June 12, 1992

**Affiliations**

- Finnish Environment Institute / Marine Research Centre, senior researcher, since January 1, 2009
- Finnish Institute of Marine Research, researcher and senior researcher, August 1, 2005 – December 31, 2008
- Academy of Finland (host organisation: Finnish Institute of Marine Research), Academy research fellow, September 1, 2004 – July 31, 2005
- Academy of Finland (host organisation: University of Western Sydney, Australia), visiting researcher (Post Doc), July 15, 2001 – July 31, 2002
- Finnish Institute of Marine Research, researcher, August 1, 1992 – July 14, 2001

**Experience in research sector**

- Participation to 40 marine research expeditions. In total 450 days spent onboard marine research vessels in sea conditions since September 1991
- In research submarine, dive to the Baltic Sea, June 1995
- Participation to the Finnarp 95/96 Antarctic expedition with r/v Aranda, December 1995 – March 1996
- In charge of research on cyanobacteria related to prawn farming in Australia, 2001–2002
- Research on accumulation of harmful substances in Baltic Sea sediment and on sedimentary processes
- Planning, development and supervision of monitoring of harmful substances in the marine environment, since 1992
- Acquisition, testing and use of underwater sensors (especially chemical instruments), since 2011
- Method development and supervision on monitoring of surface water oil, sediment sampling, hepatotoxic phycotoxin analytics, research echo sounding
- Participation to the acquisition and planning process for echo sounder systems to r/v Aranda

## Interaction and communication

- Teacher on sediment sampling and sedimentology special courses at the University of Helsinki since 1995
- Statements regarding environmental effects of oil spills since 2012
- Trusted reviewer of manuscripts for scientific journals, e.g. Journal of Marine Systems, Marine Geology, Harmful Algae ja Environmental Pollution
- Member of editorial board of Environmental Pollution, since January 2008
- Evaluator of several academic theses and research project applications
- Evaluator of international research projects
- Participation to the activities of Helsinki commission (HELCOM) and international council for the exploration of the seas (ICES)
- Approximately 50 peer-reviewed publications in scientific journals, several reports and conference contributions ([https://www.researchgate.net/profile/Harri\\_Kankaanpaeae](https://www.researchgate.net/profile/Harri_Kankaanpaeae) )

## Research technology skills

- Analytical chemistry techniques on GC-FID, LC-PDA, LC-FLD, LC-ECOS-FLD, LC-ITMS, NaI(Tl)  $\gamma$  spectrometry and ELISA
- amperometric *in situ* H<sub>2</sub>S sensor, electrochemical *in situ* O<sub>2</sub> sensor ja colorimetric *in situ* phosphate sensor
- use of hydroacoustic systems (echo sounding) in sea floor research

## Linguistic skills

Finnish (mother tongue); English (good); Swedish (satisfactory); German (poor); Modern Greek (basics)

## Information and communication technology skills

OriginLab Origin, Meridata MDCS/MDPS, Waters Empower Pro, Agilent Chemstation, Ortec Maestro, RBR Ruskin, Sea and Sun Technology standard data acquisition, Seabird CYCLE-PO<sub>4</sub>, My Cruise, KERTY and LIMS databases (SYKE), BORIS awareness system (SYKE), Adobe Premiere Pro, Audacity, Microsoft Office