

CV Harri Kuosa

1. Full name

- Kuosa, Harri Juhani (male)

2. Date and place of birth, nationality, current residence

- 24.10.1959 Pertteli, Finnish, Helsinki

3. Education and degrees awarded

- PhD, University of Helsinki, Hydrobiology, 1991
- MSc, University of Helsinki, Botany, 1986
- Adjunct professor, Hydrobiology, University of Helsinki, 1991

4. Other training, qualifications and skills

5. Linguistic skills

- Finnish (mother tongue)
- English (good skills), Swedish (adequate skills), German (basic skills)

6. Current position

- Leading Researcher, Finnish Environment Institute, Marine Centre 01.01.2009- (on leave 01.01.2009-31.12.2011)

7. Previous professional appointments and career breaks

- Professor in Baltic Sea Research, University of Helsinki, 01.01.2002-31.12.2011
- Special Researcher, Finnish Institute of Marine Research, 01.10.1998-31.12.2008 (on leave 01.01.2002-31.12.2008)
- Researcher, Finnish Institute of Marine Research, 01.01.1991-30.09.1998
- Scientist, Walter and Andrée de Nottbeck Foundation, Tvärminne Zoological Station 1986-1991
- On personal leave 03.05.1999-01.11.1999

8. Major research funding and academic leadership, student supervision

- Biodiversity changes – causes, consequences and management implications, 2013-2017 (EU BONUS 2012; Viable ecosystems, 200 000€)
- The response of pelagial food web to nutrient enrichment, 2007-2010 (The Academy of Finland #116677 358.010€)
- The role of Baltic Sea ice biota in carbon cycling during winter, 2003-2006 (The Academy of Finland/BIREME #202435 183.550€)
- Carbon sink mechanisms and their climate sensitivity in the Baltic Sea, 2002-2004 (The Academy of Finland SA/50653, 263.500€)
- Supervision of PhD-thesis: Pirjo Kuuppo 1994, Anna Uitto 1997, Johanna Ikävalko 1997, Marja Koski 1999, Anke Kremp 2000, Maiju Viherluoto 2001, Outi Setälä 2004, Hermann Kaartokallio 2005, Sari Pertola 2006, Emil Vahtera 2007, Katrianna Halinen 2008 (member of supervising group), Janne-Markus Rintala 2009, Sanna Sopanen 2009, Jonna Piiparinen 2011, Laura Hoikkala 2012, Heidi Hällfors 2013, Markus Majaneva 2013, Vivi Fleming-Lehtinen (2016), Catherine Henricsson (ongoing), Tobias Lipsewers (ongoing)
- Supervision of MSc-thesis: Over 20 finished

9. Major teaching duties and pedagogical competence

- Teacher in over 50 courses at the University of Helsinki 1982-2013, all academic levels, responsible for courses at Laudatur-level in phytoplankton identification, sea-ice studies and experimental plankton research, Leader of a Nordic Marine Collegium course and teacher in 4 Nordic courses

10. Scientific awards and honours

11. Other scientific or academic merits and activities

- Pre-examiner of 6 PhD-thesis, opponent of 5 PhD-thesis: Kalle Olli (Tartu, Estonia 1997), Susanna Hajdu (Stockholm, Sverige 2002), Jaana Vaitomaa (Helsinki 2006), Arno Pöllumäe (Tartu, Estonia 2011), Helene Hodal (Tromsø, Norway 2011), Mustafa Manticki (Århus, Denmark 2015)

- Reviewer for adjunct professorships in Åbo Academy and University of Helsinki
- Reviewer for lectorships in University of Kalmar and University of Stockholm
- Reviewer for professorship in Tallinn University of Technology
- Reviewer for international research institutes: Norwegian Research Academy, Academy of Finland, EU (4th Framework Programme), National Environment Research Council of UK, Australian Antarctic Division, Nordic Research Academy and Netherlands Research Council for Earth and Life Sciences
- Memberships: International Society for Diatom Research, International Society of Protistologists
- Member of editorial board: Boreal Environment Research (1996-2001)
- Referee: Polar Biology, Sarsia, Marine Pollution Bulletin, Hydrobiologia, ICES Journal of Marine Science, Ecography, Journal of Plankton Research, Boreal Environment Research, Annales Botanici Fennici, Annales Zoologici Fennici, Journal of Environmental Monitoring, ISME Journal, Ambio
- Scientific advisor of Onni Talas Foundation, former scientific adviser of Walter and Andrée de Nottbeck Foundation and former Member of the council of the Faculty of Biological and Environmental Sciences and former Member of the Board of Tvärminne Biological Station (University of Helsinki)
- Participation on 3 Antarctic research cruises
- Cruise leader of several Baltic expeditions onboard R/V Aranda
- Scientific presentations in about 40 international meetings

12. Scientific and societal impact of research

- Over 100 peer-reviewed publications in international journals; H-index 29 (Web of Science), 36 (Google Scholar). 10 most cited:

Conley, DJ; Björck, S; Bonsdorff, E; et al. 2009. Hypoxia-Related Processes in the Baltic Sea. ENVIRONMENTAL SCIENCE & TECHNOLOGY 43: 3412-3420

Vahtera, E; Conley, DJ; Gustafsson, BG; et al. 2007. Internal ecosystem feedbacks enhance nitrogen-fixing cyanobacteria blooms and complicate management in the Baltic Sea. AMBIO 36:186-194

Kivi, K; Kaitala, S; Kuosa, H; et al. 1993. Nutrient limitation and grazing control of the Baltic plankton community during annual succession. LIMNOLOGY AND OCEANOGRAPHY 38: 893-905

Lignell, R; Heiskanen, AS; Kuosa, H; et al. 1993. Fate of a phytoplankton spring bloom - sedimentation and carbon flow in the planktonic food web in the northern Baltic. MARINE ECOLOGY-PROGRESS SERIES 94: 239-252

Kuosa, H 1991. Picoplanktonic algae in the northern Baltic Sea - seasonal dynamics and flagellate grazing. MARINE ECOLOGY-PROGRESS SERIES 73: 269-276

Stedmon, CA; Thomas, DN.; Granskog, M; et al 2007. Characteristics of dissolved organic matter in Baltic coastal sea ice: Allochthonous or autochthonous origins? ENVIRONMENTAL SCIENCE & TECHNOLOGY 41: 7273-7279

Kuosa, H; Kivi, K 1989. Bacteria and heterotrophic flagellates in the pelagic carbon-cycle in the northern Baltic Sea. MARINE ECOLOGY-PROGRESS SERIES 53: 93-100

Vuorinen, I; Hänninen, J; Viitasalo, M; et al. 1997. Proportion of copepod biomass declines with decreasing salinity in the Baltic Sea. ICES JOURNAL OF MARINE SCIENCE 55: 767-774

Viherluoto, M; Kuosa, H; Flinkman, J; et al. 2000. Food utilisation of pelagic mysids, Mysis mixta and M. relicta, during their growing season in the northern Baltic Sea. MARINE BIOLOGY 136: 553-559

Bianchi, F; Boldrin, A; Cioce, F; et al. 1991. Phytoplankton distribution in relation to sea ice, hydrography and nutrients in the northwestern Weddell Sea in early spring 1988 during EPOS. POLAR BIOLOGY 12: 225-235
- Participation on the 3rd and 4th Periodic Assessments of the State of the Baltic
- National expert in the first ecosystem assessment of world ocean adopted by the UN General Assembly in 2015

13. Positions of trust, merits and activities in society

- Corporal 1979