

## CURRICULUM VITAE

1.5.2019

### Maiju Pirita Lehtiniemi (*maiden name Viherluoto*)

Female, married, two children born 2002 and 2006

Date and place of birth: 11.01.1973 Helsinki

Nationality: Finnish

Home address: Ruiskuvajantie 16, 06830 Kulloonkylä, Finland



#### Education

2005 Title of Docent, Aquatic Sciences, University of Helsinki

2001 PhD in Hydrobiology, University of Helsinki

1998 M.Sc. in Ecology and Animal Systematics, University of Turku

1992 Graduated from school, Helsingin Suomalainen Yhteiskoulu, Helsinki

#### Other education

2012 – 2013 Course in Project management, SYKE, Helsinki

2008 – 2011 Diploma Programme in Environmental and Resource Economics, Univ. Helsinki

Fully computer literate, special courses in statistics and experimental design

#### Decoration

2016 Knight of the Order of the Lion of Finland/Suomen Leijonan ritarimerkki

#### Language skills

Finnish (native), English (excellent oral and writing skills), Swedish, French (decent oral and writing skills), Spanish (basics)

#### Present position

1.4.2019 – present **Research professor/tutkimusprofessori**, Finnish Environment Institute SYKE, Marine Research Center, Latokartanonkaari 11, 00790 Helsinki

Responsible of non-indigenous species and zooplankton research and monitoring in the Baltic Sea, Finland. Co-responsible of microlitter research and monitoring in Finland.

Tasks: Lead and participate national and international projects including management. Lead a research group. Participation in national and international marine monitoring revision. Co-operation at regional sea level (HELCOM and ICES). Participation in the implementation of the MSFD.

#### Previous work experience

1.5.2017 – 31.3.2019 **Leading research scientist/johtava tutkija**, SYKE, Marine Research Center

1.1.2009 – 30.4.2017 **Senior researcher/erikoistutkija**, SYKE, Marine Research Center, Helsinki.

Responsible of alien species and zooplankton research and monitoring

1.7.2011 – 31.12.2013 **Group leader** SYKE, Marine Research Center, Helsinki. Responsible of Baltic Sea monitoring and assessments group

1.10.2008 – 31.12.2008 (3 months) **Senior researcher**, Finnish Institute of Marine Research (FIMR), Helsinki. Responsible of alien species research

1.1.2006 – 30.9.2008 (2 years, 9 months) (of which on maternity leave 8.2.2006-4.12.2006) FIMR, Helsinki **Postdoctoral scientist**

1.1.2004 – 31.12.2005 (2 years) FIMR, Helsinki **Postdoctoral scientist**

1.4.2001 – 31.12.2003 (2 years, 9 months) (of which on maternity leave 16.11.2002-30.9.2003)

1.1.2002 - 31.12.2003 at the FIMR, Helsinki

1.4. - 31.12.2001 at the division of Hydrobiology, University of Helsinki

**Postdoctoral scientist** of the Academy of Finland in the project: Effects of environmental factors on the feeding success of planktivorous fish larvae in the Baltic Sea. Responsible scientist Prof. M. Viitasalo

1998 – 2001 (2 years, 10 months) Division of Hydrobiology in the University of Helsinki/at the Tvärminne Zoological Station, Finland

**Ph.D. student/scientist** in the research group: EZECO (<http://haavi.fimr.fi/ezeco>), responsible scientist Prof. M. Viitasalo, Funded by W A Nottbeck Foundation

1998 (1 month) Lake Tanganyika Research, FAO/FINNIDA, Tanzania. **Field researcher**

1997 (2 weeks) North Ostrobothnia Regional Environment Centre. **Field researcher** on Lesser White-fronted Goose in Lapland

1997 (3,5 months) Tvärminne Zoological Station, Hanko, Finland

**Work for M.Sc.-thesis.** Funded by W A Nottbeck Foundation

1996 (3 months) FIMR, Helsinki, Finland. **Trainee** in a cyanobacteria project (Alg@line)

### **Research funding, leadership and supervision experience**

Leader of the project and responsible of the application:

2017 – 2021 **Principal Investigator** of SYKE in Completing management options in the Baltic Sea Region to reduce risk of invasive species introduction by shipping (COMPLETE). EU Baltic Sea region consortium

2016 – 2020 **Leader of the consortium** Microplastics in Finnish waters – assessing the potential threat. Funded by the Academy of Finland.

2018 – 2019 **Leader of the project** Inditest. Funded by the Finnish Traffic and Safety Agency

2016 – 2017 **Leader of the project** Ballast – Indicative ballast water analysis methods. Funded by the Finnish Traffic and Safety Agency.

2015 Grant for writing a book on alien species in Finland. Book was written for the public. Funding: Tiedonjulkistamisen neuvottelukunta.

2014 – **Leader of the research group** on marine litter in the Baltic Sea together with Dr. Outi Setälä. Research group is part of the international network and initiatives for Nordic Council of Ministers, EU strategy for the Baltic Sea region seed money project and participates in HELCOM Working Group on marine litter regional action plan. Group has received funding for a PhD work (Julia Talvitie 2014-2016): The role of municipal waste water treatment plants in Finland for the marine microplastic load, from the Maj and Tor Nessling Foundation and (Pinja Näkki 2017-2020): The fate and impacts of microplastics in seafloor habitats, from the Walter and Andree de Nottbeck Foundation. Several grants for MSc students.

2014 – 2017 **Leader of the project** Baltic marine litter monitoring – development and assessment of methods. Funded by the Ministry of Environment.

2012 – 2013 **Leader of the project** Spatial and temporal patchiness of macrozooplankton and its effect on food web dynamics in the pelagial. Funded by the W A Nottbeck foundation.

2011– 2013 **Leader of the project** Increasing knowledge on invasive alien species in Finland. Funded by the Ministry of Agriculture and Forestry.

2010- 2013 **Leader of the project** Developing alien species monitoring in poorly covered habitats in the Baltic Sea. Funded by the Ministry of Environment.

2007 – 2011 **Leader of the project** The strategy and success of invasive species in the Baltic food web. Funded by the W A Nottbeck foundation.

2006 – 2008 (2 years, 9 months) (of which on maternity leave 8.2.2006-4.12.2006) **Leader of the postdoctoral project:** The effect of mysids on herring recruitment and population dynamics. Funded by the Academy of Finland.

2007 **Leading scientist** of the research group EZECO, Experimental Zooplankton Ecology Group (<http://haavi.fimr.fi/ezeco>)

2004 – 2005 **Leader of the postdoctoral project:** Interspecific competition and intra-guild predation at higher trophic levels of the changing Baltic Sea: effects on herring survival and stock biomass? Funded by the Academy of Finland.

#### Supervision of Post docs

2018 – 2019 Post doc Julia Talvitie, SYKE, principal supervisor

2007 – 2011 Post doc, Ph.D. Tarja Katajisto, SYKE, principal supervisor

2008 – 2009 Post doc, Ph.D. Mikko Kiljunen, Univ. of Jyväskylä, principal supervisor

2008 – 2009 Post doc, Ph.D. Satu Viitasalo, FIMR, principal supervisor

#### Merits in teaching and pedagogical competence

2016, 2008 (7-10 days, field course) Leader of a course on experimental zooplankton ecology, Univ. of Helsinki

2017, 2016, 2011, 2003 Lecturer in a lecture series on current research in the Baltic Sea, Univ of Helsinki

2015 Examiner of a M.Sc.-thesis in Aquatic Sciences, Univ. of Helsinki, Finland

2015, 2014, 2013, 2012, 2011 Lecturer on the state and future of the Baltic Sea from an interdisciplinary perspective-course, Univ. Helsinki

2018, 2016, 2014, 2012, 2010, 2009 Lecturer on an international course on alien species, Univ of Helsinki

2014, 2012 (7-10 days, field course) Teacher on a course on experimental zooplankton ecology, Univ. of Helsinki

2014 Leader of the course on aquatic alien species, Univ of Helsinki

2012 Lecturer in a lecture series on planktonic food webs of the Baltic Sea, Univ of Helsinki

2009 Examiner of a M.Sc.-thesis in Marine Biology, Univ. of Oldenburg, Germany

2009 Lecturer on Physical Oceanography of the Baltic Sea summer school, Univ. of Helsinki

2009 Lecturer on alien species in the Baltic Sea, secondary school of Olari, Espoo

2008 Examiner of a M.Sc.-thesis in Hydrobiology, Univ. of Helsinki

2008 Lecturer on alien species in the Baltic Sea, course on plankton ecosystem, Univ. of Helsinki

2007 Lecturer on alien zooplankton species in the Baltic Sea, Natural Heritage, Kotka

2007 Lecturer on alien species in the Baltic Sea, secondary school of Nöykkiö, Espoo

2005 Examiner of a M.Sc.-thesis in Hydrobiology, University of Jyväskylä

2005 Lecturer in a research seminar, Dept. of Biol. and Env. Science, Univ. Jyväskylä

2002 Teacher in a Baltic Sea field course, Open University of the Univ. of Helsinki

2001 Examiner of a M.Sc.-thesis in Hydrobiology, Univ. of Helsinki

1999 Assistant on a course of experimental plankton ecology, Univ. of Helsinki

1999 Leader of a course on Baltic Sea for schoolteachers, Univ. of Tampere

#### Supervision of academic work

2018 – present Ph.D. thesis of Daniel Rotko (microplastics), Univ of Joensuu, deputy supervisor

2017 – present Ph.D. thesis of Pinja Näkki (microplastics), Univ of Helsinki, principal supervisor

2012 – 2016 Ph.D. thesis of Riikka Puntila (non-indigenous species), Univ of Helsinki, principal supervisor

2011 – present Ph.D. thesis of Reetta Holopainen, (climate change, non-indigenous species) Univ of Helsinki, deputy supervisor

2011 – 2015 Ph.D. thesis of Clare Webster, (macrozooplankton) Univ of St.Andrews, Scotland, deputy supervisor

2009 –2014 Ph.D. thesis of Sanna Majaneva, (gelatinous zooplankton) Univ of Helsinki, principal supervisor  
 2003 – 2007 Ph.D. thesis of Satu Viitasalo, (macrozooplankton) Univ of Helsinki, deputy supervisor  
 2001 – 2006 Ph.D. thesis of Eveliina Lindén, (macrozooplankton) Univ of Helsinki, principal supervisor  
 2007 – Lic. thesis, M.Sc. Leena Karjala, (non-indigenous species), SYKE, principal supervisor  
 2018 – present M.Sc. thesis: Jyri Tirroniemi, Univ of Helsinki, principal supervisor  
 2017 – present M.Sc. thesis: Anna-Riina Mustonen, Univ of Helsinki, deputy supervisor  
 2013 – present M.Sc. thesis: Anni Korhonen, Univ of Helsinki, principal supervisor  
 2017 – 2018 M.Sc. thesis: Erika Zidbeck, Univ of Helsinki, principal supervisor  
 2015 – 2017 M.Sc. thesis: Saana Railo, Univ of Helsinki, principal supervisor  
 2015 – 2016 M.Sc. thesis Pinja Näkki, Univ of Helsinki, principal supervisor  
 2009 – 2012 M.Sc. thesis: Sanja Hakala, Dept of Ecology, Univ of Helsinki, principal supervisor  
 2009 – 2011 M.Sc. thesis: Hanna Peltonen, Univ of Helsinki, deputy supervisor  
 2008 – 2009: M.Sc thesis: Jaani Hintikainen, Univ of Oldenburg, Germany, principal supervisor  
 2004 – 2008 M.Sc. thesis: Sini Heino, Univ of Oulu, principal supervisor  
 2005 – 2007 M.Sc. thesis: Jyrki Torniaainen, Univ of Jyväskylä, principal supervisor  
 2004 – 2005 M.Sc. thesis: Mikko Koho, Univ of Helsinki, principal supervisor  
 2005 –2006 Final work: Janne Lindeberg, Finnish Inst. of fisheries and environment, principal supervisor

### **Awards, prizes and honours**

2010 The 'Best Newcomer' award of the International council for the exploration of the sea (ICES) Annual Science Conference for an 'enthusiastic oral presentation, which demonstrates scientific excellence and creativity, and is delivered in a clear and concise manner'  
 2001 A special mention for young scientists in marine biology of the scientific committee Biologie Marine Daniel Jouvance, France.

### **Other scientific merits**

2019 Opponent for a PhD thesis: Anais Rey, University of Oviedo, Spain  
 2017 Evaluator of a PhD thesis: Tiia Forsström, Turku University, Finland  
 2015 Evaluator of a PhD thesis: Laura Helenius, Helsinki University, Finland  
 2010 Opponent for a Licenciate thesis: Martin Ogonowski, Stockholm University, Sweden  
 2009 Opponent for a PhD thesis: Jurate Lesutiene, Klaipeda University, Lithuania

### **Funding applications for which I have acted as a referee:**

2019 JPI Oceans, EU  
 2018 Östersjöstiftelse (Baltic Sea Foundation), Sweden  
 2018 Applied Aspects of Marine Biology and Mariculture in the Scientific and Technological Cooperation call of the Ministry of Science and Technology of the state of Israel, and Ministry of Foreign affairs and international cooperation of Italy.  
 2016 Estonian Science Council  
 2016 STAZIONE ZOOLOGICA ANTON DOHRN, FLAGSHIP RESEARCH PROGRAMS OF THE SZN, Italy  
 2007 USA National Marine Fisheries Service, Chesapeake Bay Integrated Science Program: Fisheries Science

### **Editorial assignments**

Aquatic Invasions – handling editor, member of the editorial board  
 BioInvasions Records – handling editor, member of the editorial board

Journals for which I have acted as a referee:

Over 30 international journals with referee practice

Scientific positions of trust and memberships in expert bodies

2017 – Member of the initiative team of the INVASIVESNET International Association for Open Knowledge on Invasive Alien Species

2016 – Member of the expert group to assess the nationally important invasive species coordinated by the Ministry of Agriculture and Forestry (MAF)

2016 Expert hearing in the Environment Committee of the Parliament on Ballast water Convention

2013 – 2014 Member of the expert group to implement nationally the EU Regulation on invasive species coordinated by MAF

2013 – Member of the national board on Invasive species issues coordinated by MAF

2013 – Member of the International Council for the Exploration of the Sea (ICES) Working Group on Integrated Molecular and Morphological taxonomy (WGIMT)

2011 – Member (ICES) Working Group on Zooplankton Ecology (WGZE)

2011 – Member of (ICES) Working Group on Ballast and Other Ship Vectors (WGBOSV)

2011 – Member of the HELCOM Zooplankton Expert Network (ZEN)

2010 – Member of the ICES WG on Introduction and Transfers of Marine Organisms (WGITMO)

2011 – 2013 Member of the HELCOM (Helsinki Commission) monitoring and assessment group (MONAS)

2009 – 2011 Member of the steering group for a project: Effects of climate change on the fish fauna, fish stocks and alien species in Finland (Finnish Game and Fisheries Research Institute)

2009 – 2011 Member of the EU marine strategy framework directive's task group for non-indigenous species

2008 – 2012 Steering group member: National strategy for invasive alien species coordinated by MAF

2008 –2012 Co-chair of the Baltic Sea task group of the Finnish strategy for invasive alien species

2008 –2009 Member of the steering group for NATURA 2000 conservation area concerning a plan for a 4<sup>th</sup> reactor at Olkiluoto power plant

**Other merits**

Organised international scientific workshops (2002, 2006, 2014, 2017).

Participated in scientific conferences from 1998 onwards, presented over 70 oral or poster presentations (by Lehtiniemi or by co-authors).