

CURRICULUM VITAE

Name: Sture Olof Hansson; Date of birth: 14 May, 1953

1975, Oct. 13: Filosofie Kandidat (roughly equiv. to B.Sc., University of Uppsala, including chemistry 1 yr, biology 2.5 yr)

1989, June 5: Filosofie Doktor (Ph.D., Stockholm University, Dept. of Zoology)

Thesis: Biotic interactions in fish and mysid communities, studies in two Baltic coastal areas.

1993, Dec. 16: Docent (roughly equiv. to associate professor, Stockholm University, Dept. of Systems Ecology)

2002, Dec. 12: Fellow of the Royal Swedish Academy of Agriculture and Forestry

2003, March 6: Appointed by the students at Stockholm University as 2002's best teacher in the field of biology

2004, June 1: Professor, Stockholm University, Dept. of Systems Ecology.

2006-2007: Member of the expert panel of Björn Carlsson's foundation BalticSea2020

July 1, 2012 – June 30, 2019: Appointed James Marsh Professors-at-Large at University of Vermont, Burlington (<http://www.uvm.edu/president/marsh/>)

Research outside Stockholm University:

September 21 to October 4 1989, invited to the Limnological Institute in Irkutsk to participate in a scientific expedition on Lake Baikal. Royal Swedish Academy of Sciences and Akademia Nauk of the USSR supported the visit.

August 15-28 2002, guest scientist at the Lake Nerka research station, Alaska (host: D.E. Schindler).

July 21 – August 3 2011, invited to Cornell University for research on pelagic fish in Lake Champlain, Vermont (host L. G. Rudstam)

Visiting scientist at the Center for Limnology in Madison, Wisconsin:

May 7 - June 7 1990; February 23 - April 27 1993; March 7 - April 29 1994; January – May 1997 (hired as a visiting assistant professor); October 8-23 1998; June 5-17 2001; January – May 2004 (hired as a visiting assistant professor)

Visiting professor at the University of Vermont, Burlington:

January 30 – February 12 2013; October 19-26 2013; March 9-21 2015; October 8-22 2016; October 15-24 2018

Supervision of PhD students:

<u>name</u>	<u>started</u>	<u>licentiate seminar</u>	<u>PhD dissertation</u>
Fredrik Arrhenius	Feb. 18, 1991	June 6, 1994	Nov. 10, 1995
Elena Gorokhova	March 31, 1995	Dec. 20, 1996	June 4, 1999
Olle Hjerne	Jan. 1, 1998	May 31, 2000	April 25, 2003
Håkan Wickström	Feb. 10, 1998	-----	Oct. 19, 2001
Thomas Axenrot	Feb. 1, 2000	April 12, 2002	April 29, 2005
Tomas Didrikas	Jan. 1, 2001	April 11, 2003	Dec. 9, 2005
Jason Van Tassell	Oct. 1, 2001	June 7, 2002	-----
Henrik Österblom	Jan. 1, 2004	-----	May 19, 2006
Niklas Sjöberg	May 18, 2007	-----	April 17, 2015
Martin Ogonowski	Aug. 1, 2007	Feb. 11, 2010	May 21, 2012
Hedvig Hogfors	Nov. 12, 2007	Oct. 29, 2010	Dec. 3, 2012
Ida Ahlbeck	June 23, 2008	Apr. 1, 2011	June 1, 2012
Per Holliland	June 23, 2008	Apr. 4, 2011	Oct. 5, 2012

External opponent on eight PhD dissertations (Tiit Raid and Juha Flinkman, both at Helsinki Univ., Finland, Henri Engström, Uppsala Univ., Sweden and Daniel Vallentinsson, Gothenburg Univ., Sweden, Lars Ljunggren, Swedish Univ. Agricult. Sciences, Umeå, Anders Røstad, Oslo Univ., Norway, Mikko Kiljunen, Univ. Jyväskylä, Finland and Martin Snickars, Åbo Akademi University).

SCIENTIFIC PUBLICATIONS.

- Kineman, J.J., R. Elmgren and S. Hansson (eds.). 1980. The Tsesis Oil Spill. US Department of Commerce, National Oceanic and Atmospheric Administration, Boulder, Colorado, USA, 296 pp.
 - Elmgren, R., S. Hansson, U. Larsson and B. Sundelin. 1980. 4. Impact of oil on deep soft bottoms. In Kineman, J.J., R. Elmgren and S. Hansson (eds.): The Tsesis Oil Spill (ref. 1 above), p. 97-126.
 - Nellbring, S., S. Hansson, G. Aneer and L. Westin. 1980. 9. Impact of oil on the local fish fauna. In Kineman, J.J., R. Elmgren and S. Hansson (eds.): The Tsesis Oil Spill (ref. 1 above), p. 193-201.
 - Hansson S. 1980. 10.2 Respiration measurements on the mussel *Mytilus edulis*. In Kineman, J.J., R. Elmgren and S. Hansson (eds.): The Tsesis Oil Spill (ref. 1 above), p. 205-209.
- Hansson, S. 1980. Distribution of food as a possible factor regulating the vertical distribution of fourhorn sculpin (*Myoxocephalus quadricornis*, L.) in the Bothnian Bay. *Ophelia*, Suppl. 1:277-286.
- Elmgren, R., S. Hansson, U. Larsson, B. Sundelin and P.D. Boehm. 1983. The Tsesis oil spill: acute and long-term impact on the benthos. *Mar. Biol.* 73:51-65.
- Hansson, S. 1984. Competition as a factor regulating the geographical distribution of fish species in a Baltic archipelago. A neutral model analysis. *J. Biogeography* 11:367-381.

5. Hansson, S., B.-E. Bengtsson and Å. Bengtsson. 1984. Stomach content in fourhorn sculpin (*Myoxocephalus quadricornis* L.) with normal and deformed vertebral spine. Mar. Pollut. Bull. 15:375-377.
6. Hansson, S. 1985. Local growth differences in perch (*Perca fluviatilis* L.) in a Baltic archipelago. Hydrobiologia 121:3-10.
7. Hansson, S. 1985. Effects of eutrophication on fish communities, with special reference to the Baltic Sea - a literature review. Rep. Inst. Freshwater Res., Drottningholm 62:36-56.
8. Hansson, S. and L. Westin. 1985. A comparison of the growth of perch, *Perca fluviatilis* L. in a eutrophicated bay and a reference area in the northern Baltic proper. Rep. Inst. Freshw. Res., Drottningholm 62:57-59.
9. Rudstam, L.G., S. Hansson and U. Larsson. 1986. Abundance, species composition and production of mysid shrimps in a coastal area of the northern Baltic proper affected by increased nutrient loading. Ophelia, Suppl. 4:225-238.
10. Hansson, S. 1987. Effects of pulp and paper mill effluents on coastal fish communities in the Gulf of Bothnia, Baltic Sea. Ambio 6:344-348.
11. Hansson, S. 1988. A simple vertical gill net system for variable current conditions. Hydrobiologia 160:107-110.
12. Rudstam, L.G., T. Lindem and S. Hansson. 1988. Density and in situ target strength of herring and sprat: a comparison between two methods of analyzing single-beam sonar data. Fish. Res. 6:305-315.
13. Rudstam, L.G., K. Danielsson, S. Hansson and S. Johansson. 1989. Diel vertical migration and feeding patterns of *Mysis mixta* (Crustacea, Mysidacea) in the Baltic. Mar. Biol. 101:43-52.
14. Hansson, S. and L.G. Rudstam. 1990. Eutrophication and Baltic fish communities. Ambio 19:123-125.
15. Hansson, S., U. Larsson and S. Johansson. 1990. Selective predation by herring and mysids, and zooplankton community structure in a Baltic Sea coastal area. J. Plankt. Res. 12:1099-1116.
16. Hansson, S., L.G. Rudstam and S. Johansson. 1990. Are marine planktonic invertebrates food limited? The case of *Mysis mixta* (Crustacea, Mysidacea) in the Baltic Sea. Oecologia 84:430-432.
17. Rudstam, L.G. and S. Hansson. 1990. On the ecology of *Mysis mixta* (Crustacea, Mysidacea) in a coastal area of the northern Baltic proper. Ann. Zool. Fennici 27:259-263.
18. Rudstam, L.G., S. Hansson, S. Johansson, U. Larsson. 1992. Dynamics of planktivory in a coastal area of the northern Baltic Sea. Mar. Ecol. Prog. Ser. 80:159-173.
19. Rudstam, L.G., N.G. Melnik, O.A. Timoshkin, S. Hansson, S.V. Pushkin and V. Nemov. 1992. Diel dynamics of an aggregation of *Macrohectopus branickii* (Dyb.) (Crustacea, Amphipoda) in the Barguzin Bay, Lake Baikal, Russia. J. Great Lakes Res. 18:286-297.
20. Hansson, S. 1993. Variation in hydroacoustic abundance of pelagic fish. Fish. Res. 16:203-222.

21. Johansson, S., S. Hansson and O. Araya-Nunez. 1993. Temporal and spatial variation of coastal zooplankton in the Baltic Sea. *Ecography*. 16:167-173.
22. Arrhenius, F. and S. Hansson. 1993. Food consumption of larval, young and adult herring and sprat in the Baltic Sea. *Mar. Ecol. Prog. Ser.* 96:125-137.
23. Arrhenius, F. and S. Hansson. 1994. *In situ* food consumption by young-of-the-year Baltic Sea herring *Clupea harengus*: a test of predictions from a bioenergetics model. *Mar. Ecol. Prog. Ser.* 110:145-149. Correction note in *Mar. Ecol. Prog. Ser.* 114:314.
24. Hansson, S. 1995. Effects of exploitative food competition on food niche dynamics - a simulation analysis. *Ecological Modelling* 77:167-187
25. Hansson, S. and L.G. Rudstam. 1995. Gillnet catches as an estimate of fish abundance: a comparison between vertical gillnet catches and hydroacoustic abundances of Baltic Sea herring (*Clupea harengus*) and sprat (*Sprattus sprattus*). *Can. J. Fish. Aquat. Sci.* 52:75-83
26. Hansson, S., L.G. Rudstam, J.F. Kitchell, M. Hildén, B.L. Johnson, P.E. Peppard. 1996. Predation rates by North Sea cod (*Gadus morhua*) - predictions from models on gastric evacuation and bioenergetics. *ICES J. Mar. Sci.* 53:107-114.
27. Arrhenius, F. and S. Hansson. 1996. Growth and seasonal changes in energy content of young Baltic Sea herring (*Clupea harengus* L.). *ICES J. Mar. Sci.* 53:792-801.
28. Lehtonen, H., S. Hansson and H. Winkler. 1996. Biology of pikeperch, *Stizostedion lucioperca* (L.) in the Baltic Sea. *Ann. Zool. Fenn.* 33:525-535.
29. Mohammadian, M.A., S. Hansson and B.T. DeStasio. 1997. Are marine planktonic invertebrates food limited? The functional response of *Mysis mixta* (Crustacea, Mysidacea) in the Baltic Sea. *Mar. Ecol. Prog. Ser.* 150:113-119.
30. Hansson, S., F. Arrhenius, S. Nellbring. 1997. Diet and growth of pikeperch (*Stizostedion lucioperca*) in a Baltic Sea area. *Fisheries Research*. 31:163-167.
31. Hansson, S., J.E. Hobbie, R. Elmgren, U. Larsson, B. Fry and S. Johansson. 1997. The stable nitrogen isotope ratio as a marker of food-web interactions and fish migration. *Ecology*. 78:2249-2257.
32. Hansson, S., D.M. Post, J.F. Kitchell and T.S. Mc Comish. 1997. Predation-competition interactions of yellow perch (*Perca flavescens*) and alewife (*Alosa pseudoharengus*) in southern Lake Michigan: a model analysis, pp 243-256 in: *Forage Fishes in Marine Ecosystems. Proceedings of the International Symposium on the Role of Forage Fish in Marine Ecosystems. Alaska Sea Grant Program report: 97-01. University of Alaska Fairbanks*
33. Hansson, S., F. Arrhenius and S. Nellbring. 1997. Food web interactions in a Baltic Sea coastal area, pp 281-291 in: *Forage Fishes in Marine Ecosystems. Proceedings of the International Symposium on the Role of Forage Fish in Marine Ecosystems. Alaska Sea Grant Program report: 97-01. University of Alaska Fairbanks*
34. Hansson, S., F. Arrhenius, S. Nellbring. 1997. Benefits from fish stocking - experiences from stocking young-of-the-year pikeperch, *Stizostedion lucioperca* L. to a bay in the Baltic Sea. *Fisheries Research*. 32:123-132
35. Gorokhova, E. and S. Hansson. 1997. Effects of experimental conditions on the feeding rate of *Mysis mixta* (Crustacea, Mysidacea). *Hydrobiologia*. 355:167-172

36. Hansson, S. 1998. Methods in studying fish diets – a comment. *Can. J. Fish. Aquat. Sci.*, 55: 2706-2707
37. Karlsson, L., E. Ikonen, A. Mitans, and S. Hansson. 1999. The diet of salmon (*Salmo salar*) in the Baltic Sea and connections with the M74 syndrome. *Ambio*. 28:37-42
38. Kuikka S., M Hilden, H Gislason, S Hansson, H Sparholt, O Varis. 1999. Modeling environmentally driven uncertainties in Baltic cod (*Gadus morhua*) management by Bayesian influence. *Can. J. Fish. Aquat. Sci.*, 56:629-641
39. Rudstam, L.G., Hansson, S., Lindem, T., Einhouse, D.W. 1999. Comparison of target strength distributions and fish densities obtained with split and single beam echo sounders. *Fisheries Research* 42:207-214
40. Frid, C.L.J., S. Hansson, S.A. Ragnarsson, A. Rijnsdorp and S.A. Steingrimsdottir 1999. Changing levels of predation on benthos as a result of exploitation of fish populations. *Ambio*, 28:578-582.
41. Adrian, R., S. Hansson, B. Söderlund, B. De Stasio and U. Larsson. 1999. Effects of food availability and predation on a marine zooplankton community - a study on copepods in the Baltic Sea. *International Review of Hydrobiology*. 84:609-626
42. Hansson, S. 1999. Human effects on the Baltic Sea ecosystem - fishing and eutrophication. Pages 405-406 in *Ecosystem approaches for fisheries management*. University of Alaska Sea Grant, AK-SG-99-01, Fairbanks.
43. Hjerne, O. and S. Hansson. 1999. Managing the Baltic Sea cod (*Gadus morhua*): stable catches in an unstable environment. Pages 57-58 in *Ecosystem approaches for fisheries management*. University of Alaska Sea Grant, AK-SG-99-01, Fairbanks.
44. Gorokhova, E., S. Hansson. 1999. An experimental study on variations in stable carbon and nitrogen isotopes fractionation during growth of *Mysis mixta* and *Neomysis integer* (Crustacea, Mysidacea). *Can. J. Fish. Aquat. Sci.* 56:2203-2210
45. Arrhenius, F. and S. Hansson. 1999. Growth of Baltic Sea young-of-the-year herring (*Clupea harengus*, L.) is resource-limited. *Mar. Ecol. Prog. Ser.* 191:295-299
46. Hamrén, U. and S. Hansson. 1999. A mysid shrimp (*Mysis mixta*) is able to detect the odour of its predator (*Clupea harengus*). *Ophelia* 51:187-191
47. Gorokhova, E. and S. Hansson. 2000. Elemental composition of *Mysis mixta* (Crustacea, Mysidacea) and energy costs of reproduction and embryogenesis under laboratory conditions. *J. Exp. Mar. Biol. Ecol.* 246:103-123
48. Hansson, S., L. Karlsson, E. Ikonen, O. Christensen, A. Mitans, D. Uzars, E. Petersson and B. Ragnarsson. 2001. Stomach analyses of Baltic salmon from 1959-1962 and 1994-1997: possible relations between diet and yolk-sac-fry mortality (M74). *J. Fish Biol.* 58:1730-1745
49. Hjerne, O. and S. Hansson. 2001. Constant catch or constant harvest rate? - The Baltic Sea cod (*Gadus morhua* L.) fishery as a modelling example. *Fish. Res.* 53:57-70
50. Hansson, S., B.T. De Stasio, E. Gorokhova and M. A. Mohammadian. 2001. Ratio-dependent functional responses – tests with the zooplanktivore *Mysis mixta*. *Mar. Ecol. Prog. Ser.* 216:181-189
51. Hjerne, O. and S. Hansson. 2002. The role of fish and fisheries in Baltic Sea nutrient dynamics. *Limnology and Oceanography* 47:1023-1032

52. Axenrot, T. and S. Hansson. 2003. Predicting herring recruitment from young-of-the-year densities, spawning stock biomass, and climate. *Limnology and Oceanography* 48: 1716-1720.
53. Harvey, C.J., S.P. Cox, T.E. Essington, S. Hansson and J.F. Kitchell. 2003. An ecosystem model of food web and fisheries interactions in the Baltic Sea. *ICES Journal of Marine Science* 60: 939–950.
54. MacKenzie, B.R., L. Almesjö and S. Hansson. 2004. Fish, fishing and pollutant reduction in the Baltic Sea. *Environmental Science and Technology* 38:1970-1976
55. Didrikas, T., and Hansson, S. 2004. *In situ* target strength of the Baltic Sea Herring and Sprat. *ICES Journal of Marine Science* 61:378-382
56. Axenrot, T. and Hansson, S. 2004. Seasonal dynamics in pelagic fish abundance in a Baltic Sea coastal area. *Estuarine, Coastal and Shelf Science* 60:541-547
57. Gorokhova, E., Fagerberg T. and Hansson S. 2004. Predation by herring (*Clupea harengus*) and sprat (*Sprattus sprattus*) on *Cercopagis pengoi* in a western Baltic Sea bay. *ICES Journal of Marine Science* 61(6): 959-965
58. Axenrot, T., Didrikas, T., Danielsson, C. and Hansson, S. 2004. Diel patterns in pelagic fish behaviour and distribution – observations from a stationary, bottom mounted transducer. *ICES Journal of Marine Science* 61(7):1100-1104
59. Essington, T.E. and Hansson S. 2004. Predator-dependent functional responses and interaction strengths in a natural food web. *Can J Fish Aquat Sci* 61, 2215-2226.
60. Gorokhova, E. Hansson, S. Högländer, H. Andersen, C M. 2005. Stable isotopes show food web changes after invasion by the predatory cladoceran *Cercopagis pengoi* in a Baltic Sea bay. *Oecologia* 143, 251–259.
61. Ehrenberg, S Z. Hansson, S. Elmgren, R. 2005. Sublittoral abundance and food consumption of Baltic gobies. *Journal of Fish Biology* 67:1083-1093
62. Hansson, S. Hjerne, O. Harvey, C. Kitchell, J.F. Cox, S.P., Essington T.E. 2007. Managing Baltic Sea fisheries under contrasting production and predation regimes – ecosystem model analyses. *Ambio* 2-3:265-271
63. Gorska, N. Cieřlik, L. Didrikas, T. Hansson, S. 2007. On acoustic backscattering by Baltic zooplankton. *Hydroacoustics* 10:55-68
64. Österblom, H. Hansson, S. Larsson, U. Hjerne, O. Wulff, F. Elmgren, R. Folke, C. 2007. Human-induced trophic cascades and ecological regime shifts in the Baltic Sea. *Ecosystems*. 10:877-889
65. Höök, T O. Gorokhova, E. Hansson, S. 2008. RNA:DNA ratios of Baltic herring larvae and *Eurytemora* in embayment and open sea habitats. *Estuarine, Coastal and Shelf Science* 76:29-35
66. Didrikas, T., and Hansson, S. 2009. Effects of light intensity on activity and pelagic dispersion of fish – studies with a seabed-mounted echosounder. – *ICES Journal of Marine Science* 66:388–395
67. Sjöberg, N.B. Petersson, E. Wickström, H. Hansson, S. 2009. Effects of the swim-bladder parasite *Anguillicola crassus* on the migration of European silver eels (*Anguilla anguilla* L.) in the Baltic Sea. *Journal of Fish Biology* 74:2158-2170

68. Hansson S., Dippner, J.W., Larsson U. 2010. Climate effects on zooplankton dynamics in a coastal Baltic Sea area. *Boreal Environment Research* 15:370-374
69. Margonski, P., Hansson, S., Tomczak, M., Grzebielec, R. 2010. Climate influence on Baltic cod, sprat, and herring stock-recruitment relationships. *Progress in Oceanography* 87:277–288
70. Jensen O.P., Hansson S., Didrikas T., Stockwell J.D., Hrabik T.R., Axenrot T., Kitchell, J.F. 2011. Foraging, bioenergetic and predation constraints on diel vertical migration: field observations and modelling of reverse migration by young-of-the-year herring *Clupea harengus*. *J. Fish Biol.* 78:449-465
71. Plater A.J., Rice J.C., Glegg G., Hansson S., Koutrakis M., Mangi S., Marasovic I., Marshall C., Norman T., Oguz T., Peckett F., Rees S., Rickards L., Rodwell L., Tudor D. and Vrgoc N. 2011. Review of existing international approaches to fisheries management: the role of science in underpinning the ecosystem approach and marine spatial planning. *In* The ecosystem approach to marine planning and management. Edited by Kidd S., Plater A. and Frid C. Earthscan, London. pp 131-204.
72. Holliland, P.B., Ahlbeck, I., Westlund, E., Hansson, S. 2012. Ontogenetic and seasonal changes in diel vertical migration amplitude of the calanoid copepods *Eurytemora affinis* and *Acartia* spp. in a coastal area of the northern Baltic Proper. *J. Plankt. Res.* 34:298-307
73. Ogonowski, M., Andersson, K., Hansson, S. 2012. A weight and temperature dependent model of respiration in *Praunus flexuosus* (Crustacea, Mysidacea). *J. Plankt. Res.* 34:642-645
74. Ahlbeck, I. Hansson, S., Hjerne, O. 2012. Evaluating fish diet analysis methods by individual based modelling. *Can. J. Fish. Aquat. Sci.* 69:1184-1201
75. Ogonowski, M., Hansson, S., Duberg, J. 2013. Status and vertical size-distribution of a pelagic mysid community in the northern Baltic proper. *Boreal Environment Research* 18:1-18
76. Ogonowski, M., Duberg, J., Hansson, S., Gorokhova, E. 2013. Behavioral, ecological and genetic differentiation in an open environment – a study of a mysid population in the Baltic Sea. *PLoS ONE* 8(3): e57210. doi:10.1371/journal.pone.0057210
77. Ek, C., Karlson, A.M.L., Hansson, S., Garbaras, A., Gorokhova, E. 2015. Stable isotope composition in *Daphnia* is modulated by growth, temperature and toxic exposure: Implications for Trophic Magnification Factor assessment. *Environmental Science & Technology* 49:6934-6942
78. Webster, C. N., Hansson, S., Didrikas, D., Gorokhova, E., Peltonen, H., Brierley, A.S., Lehtiniemi, M. 2015. Stuck between a rock and a hard place: zooplankton vertical distribution and hypoxia in the Gulf of Finland, Baltic Sea. *Marine Biology* 162:1429-1440
79. Hansson, S. 2016. Comments to Heikinheimo et al. 2014. On recruitment in Baltic Sea pikeperch. *Fisheries Research*. 197:351
80. Hansson, S. 2016. Reply to response from Outi Heikinheimo and Timo J. Marjomäki on my comment on Heikinheimo et al., 2014: Spawning stock-recruitment relationship in pikeperch *Sander lucioperca* (L.) in the Baltic Sea, with temperature as an environmental effect. *Fisheries Research*. 183:482

81. Euclide, P. T., Hansson, S., Stockwell, J. D. 2017. Partial diel vertical migration in an omnivorous macroinvertebrate, *Mysis diluviana*, *Hydrobiologia* 787:378-396
<http://rdcu.be/vU3z>
82. Ahlbeck Bergendahl, I., Holliland, P. B., Hansson, S., Karlöf, O. 2017. Feeding range of age 1+ Eurasian perch *Perca fluviatilis* in the Baltic Sea. *Journal of Fish Biology* 90:2060-2072
83. O'Malley, B. P. O, Hansson, S., Stockwell, J. D. 2018. Evidence for a size-structured explanation of partial diel vertical migration in mysids. *Journal of Plankton Research* 40(1): 66-76.
84. Hansson, S., Bergström, U., Bonsdorff, E., Härkönen, T., Jepsen, N., Kautsky, L., Lundström, K., Lunneryd, S-G., Ovegård, M., Salmi, J., Sendek, D., Vetemaa, M. 2018. Competition for the fish - fish extraction from the Baltic Sea by humans, aquatic mammals and birds. *ICES Journal of Marine Science* 75:999-1008.
85. Hansson, S., Kautsky, L., Bergström, U., Bonsdorff, E., Jepsen, N., Lundström, K., Lunneryd, S.-G., Ovegård, M., Salmi, J., Sendek, D., Vetemaa, M. 2018. Response to comments by Heikinheimo et al. (in press) on Hansson et al. (2018): competition for the fish—fish extraction from the Baltic Sea by humans, aquatic mammals, and birds. *ICES Journal of Marine Science*, 75: 1837-1839.
<https://academic.oup.com/icesjms/article/75/5/1837/5051295?guestAccessKey=d6e42d8e-f1da-4b31-b7cb-f05dc984d87b>
86. O'Malley, B. P., Dillon, R. A., Paddock, R.W., Hansson, S., Stockwell, J. D. 2018. An underwater video system to assess abundance and behavior of epibenthic Mysis. *Limnology and Oceanography Methods* 16: 868-880
87. Hansson, S., Larsson, U., Walve, J. 2019. Site fidelity in perch (*Perca fluviatilis*) and roach (*Rutilus rutilus*) in two Baltic Sea coastal areas. *Estuarine, Coastal and Shelf Science* 226:1-4

Articles in Swedish, posters and unpublished reports:

1. Hansson, S. 1976. Energetiska studier hos abborre (*Perca fluviatilis*) och skrubbskädda (*Pleuronectes flesus*) från norra Östersjön (Energy studies on perch (*Perca fluviatilis*) and flounder (*Pleuronectes flesus*) from the northern Baltic proper. D2/E1-arbete, Askö Laboratory, Dept. Zool., Univ. Stockholm, 24 pp (mimeo., in Swedish).
2. Wulff, F., C. Flyg, M. Foberg, S. Hansson, S. Johansson, H. Kautsky, T. Klintberg, H. Samberg, K. Skärlund, T. Sörlin och B. Widbom. 1977. Ekologiska undersökningar i Luleå skärgård 1976 (Ecological investigations in the archipelago of Luleå). Slutrapport till Statens Naturvårdsverk, Kontrakt 5800401-8, Askö Laboratory, Dept. Zool., Univ. Stockholm, 306 pp (mimeo., in Swedish).
3. Hansson, S. och G. Thoresson. 1978. PM angående provfiske med nät vid Skellefteåkusten 1976 och 1977 (The fish fauna of the coast off Skellefteå according to gillnet catches in 1976 and 1977). PM från fiskeriintendenten i övre norra distriktet, 77 pp (mimeo., in Swedish).
4. Hansson, S. 1979. Eutrofieringseffekter på fiske, vattenkvalitet och littoralzon - en enkätstudie bland fritids- och yrkesfiskare (Eutrophication effects on fish, water quality and littoral zone - results from a questionnaire submitted to sport and professional fishermen). Askö Lab., Dept. Zool., Univ. Stockholm, 17 pp (mimeo., in Swedish).
5. Hansson, S. 1979. Fiskfaunans sammansättning och dynamik i Luleå skärgård (Composition and dynamics of the fish fauna in the archipelago of Luleå). Inform. Inst. Freshw. Res. Drottningholm, 12, 40 pp (in Swedish with English summary).
6. Aneer, G., S. Ankar, S. Hansson, U. Larsson, L. Westin och F. Wulff. 1979. Sörmlands östgräns - Östersjön (The eastern boarder of the province Södermanland - The Baltic Sea). STF's årsbok, 208-217 (in Swedish).
7. Hansson, S. 1980. An evaluation of different methods for the determination of food composition of fish. Presented at the 68:th Statutory Meeting of the International Council for the Exploration of the Sea (ICES), Copenhagen, Denmark, 6-10/10, 1980. C.M. 1980/F:28, 15 pp. (mimeo.).
8. Hansson, S. 1980. Tsesisolyckan: Några effekter av ett oljeutsläpp i Östersjön (The Tsesis oil spill: some effects of an oil spill in the Baltic). Svenska Havsforskarför., Medd. 14:46-47. (Summary in English).
9. Elmgren, R., S. Hansson, U. Larsson and B. Sundelin. 1981. The Tsesis oil spill; acute and long-term impact on the benthic ecosystem. Presented at the 69:th Statutory Meeting of the International Council for the Exploration of the Sea, C.M. 1981/E:24 27pp (mimeo.).
10. Hansson, S. 1981. Competition as a factor regulating the geographical distribution of fish species in a Baltic archipelago - a simulation analysis. Presented at the 69:th Statutory Meeting of the International Council for the Exploration of the Sea, C.M. 1981/G:41, 24 pp (mimeo.).
11. Hansson, S., R. Elmgren, U. Larsson och L. Westin. 1981. Långtidseffekter av oljespillet från Tsesis. (Longterm effects of the Tsesis oil spill). Svenska Havsforskarför., Medd. 15. (In Swedish).

- 12.Hansson, S. 1981. Födovallet hos öring, *Salmo trutta trutta* L., i Luleå skärgård (Food composition of trout, *Salmo trutta trutta* L. in the archipelago of Luleå (Gulf of Bothnia). Laxforskningsinst. medd., 2, 4 pp (in Swedish with English summary).
- 13.Hansson, S. 1981. Kustprovfiske med nät i Örnsköldsviksområdet 1980 (The fish fauna in the Örnsköldsvik area, according to gillnet catches in 1980). Fiskeriintendenten nedre norre distriktet, 29 pp (mimeo., in Swedish).
- 14.Hansson, S. 1982. Födoval och tillväxt hos sik, abborre, gers, mört och hornsimpa i Luleå skärgård (Diet and growth of whitefish, perch ruffe, roach and fourhorn sculpin in the archipelago of Luleå). Inform. Inst. Freshw. Res. Drottningholm, 2, 47 pp (in Swedish with English summary).
- 15.Hansson, S. 1982. Provfiske med nät i Sundsvallsbukten 1981 (The fish fauna in the Sundsvall area according to gillnet catches in 1981). Inform. Inst. Freshw. Res. Drottningholm, 10, 27 pp (in Swedish with English summary).
- 16.Hansson, S. 1983. Eutrofiering in marin miljö - fisk (Eutrophication of the Baltic Sea - fish). Rep. to Swed. Environm. Prot. Bd. (In Swedish).
- 17.Hansson, S. 1984. Oljeutsläpp i Östersjön: djuren drabbas, växterna skonas (Oil spill in the Baltic: Animals afflicted, plants unaffected). Forskning och Framsteg, 5:20-24. (In Swedish).
- 18.Hansson, S. 1984. Fisk och bottendjur i Södermanlands kustregioner - en litteraturgenomgång (Fish and bottom fauna of the Swedish central Baltic coast - A literature review). Swed. Environ. Prot. Bd., PM 1911:169-205. (In Swedish with English summary).
- 19.Rosenberg, R., P. Möller, E.B. Olafsson, L-E. Persson, L. Pihl, S. Thorman, A-M. Wiederholm, K. Müller och S. Hansson. 1984. Fisk och bottendjur kring Sveriges kust. En översiktlig jämförelse och biologisk värdering (Fish and bottom fauna around the Swedish coast. A brief comparison and biological assessment. Swed. Environ. Prot. Bd., PM 1911:341-363, (in Swedish).
- 20.Hansson, S. 1986. Kustprovfiske med nät i Kalixälvens mynningsområde 1985 (Fish community composition in an area off the Kalix river, Bothnian bay. Results from a study with gill nets in 1985). Inform. Inst. Freshw. Res. Drottningholm, 9, 22 pp. (in Swedish with English summary).
- 21.Hansson, S. 1986. Födoval hos abborre, gers, mört, sik och hornsimpa i fem av cellulosa-industrier påverkade kustområden i Bottenhavet (Diet of perch, ruffe, roach, whitefish and fourhorn sculpin in five coastal areas, influenced by pulp and paper mill effluents, in the gulf of Bothnia). Inform. Inst. Freshw. Res. Drottningholm, 12, 30 pp. (in Swedish with English summary).
- 22.Hansson, S. och S. Andreasson. 1986. Kustundersökningar av fiskbestånd och fiske i Västernorrlands län 1980 - 1985 (Studies on coastal fish and fishery in the county of Västernorrland 1980 - 1985). Rapport 1986-10-01, Fiskeristyrelsen, Utredningskontoret i Härnösand, 26 pp (in Swedish).
- 23.Hansson, S., L.G. Rudstam och U. Larsson. 1987. Pelagial fisk i norra Östersjöns kustområden. Resultat av ekolodsundersökningar i skärgårds områden i Stockholms, Södermanlands och Östergötlands län. Askölaboratoriet, Technical Report #1, 14 pp. (in Swedish).

24. Rudstam, L.G., L-E. Palmén, S. Hansson and O. Hagström. 1989. Acoustic fish abundance in a Baltic archipelago: Comparison between results from echo integration and from analysis of echo peaks. Presented at the 77:th Statutory Meeting of the International Council for the Exploration of the Sea, C.M. 1989/B:27 23 pp (mimeo.).
25. Rudstam, L.G., C. Luecke and S. Hansson. 1989. Comparing seasonal patterns of zooplanktivory in a lake and a brackish bay. Presented at the 74:th annual meeting of the Ecological Society of America, 1989. Abstract published in Suppl., Bull. Ecol. Soc. Am. 70(2), p.249.
26. Elmgren, R., G. Aneer and S. Hansson. 1990. Chapter 10. Food web analysis of the Baltic ecosystem. In: Wulff, F. Large-scale environmental effects and ecological processes in the Baltic Sea. Research programme for the period 1990-1995 and background documents. Swedish Environmental Protection Agency, Report 3849. ISSN 0282-7298, ISBN 91-620-3849-4.
27. Hansson, S. 1992. Fisken och fisket. Naturvetenskapliga forskningsrådets årsbok, 101-109 (In Swedish).
28. Hobbie, J.E., B. Fry, S. Hansson, S. Johansson, R. Elmgren. 1992. Benthic ecosystems and stable isotopes. Presented by Hobbie at the February 1992 meeting of the American Society for Limnology and Oceanography.
29. Arrhenius, F. and S. Hansson. 1992. Food consumption of herring and sprat in the Baltic Sea. Presented at the 80:th Statutory Meeting of the International Council for the Exploration of the Sea, C.M. 1992/J:7 (mimeo.).
30. Arrhenius, F. and S. Hansson. 1993. In situ food consumption by young Baltic Sea herring (*Clupea harengus*) - a test of a bioenergetics model. Presented at the 81:st Statutory Meeting of the International Council for the Exploration of the Sea, C.M. 1993/L:23 (mimeo.).
31. Hansson, S. 1994. Pelagial fisk - studier i och utanför Norrtäljeviken. Dept. Systems Ecology, Technical Report #14, pp 109-117. (in Swedish).
32. Hansson, S. och U. Larsson. 1994. Algvegetation på hårda bottenar. Dept. Systems Ecology, Technical Report #14, pp 118-125. (in Swedish).
33. Arrhenius, F. and S. Hansson. 1994. Functional response by young-of-the-year Baltic Sea herring (*Clupea harengus*). Presented at the 82:nd Statutory Meeting of the International Council for the Exploration of the Sea, C.M. 1994/J:16 (mimeo.).
34. Hansson, S., D.M. Post, T.S. Mc Comish, B.J. Belonger and J.F. Kitchell. 1995. Effects of predation by yellow perch (*Perca flavescens*) in southern Lake Michigan - a model analysis. Poster presented at PERCIS II - Second International Percid Fish Symposium, Vaasa, Finland.
35. Arrhenius, F. and S. Hansson. 1995. Growth and seasonal changes in energy content of young Baltic Sea herring (*Clupea harengus* L.). International Council for the Exploration of the Sea, C.M. 1995/J:4 (mimeo.).
36. Hansson, S. 1995. En litteraturgenomgång av effekter på fisk av muddring och tippning, samt erfarenheter från ett provfiske inför Stålverk 80. Publication from the Nordic Council of Ministers. In: Olsson, I. (ed.). Strategier för fiskeribiologiska undersökningar relaterade till byggföretag i vatten. TemaNord 513, p. 73-84. (in Swedish).

37. Hansson, S. 1996. Kan det löna sig? Utsättning av gösungar i Östersjöns kustvatten. Yrkesfiskaren 11:12-13. (in Swedish)
38. Hansson, S. 1997. Fisk. In Elmgren, R. and U. Larsson (eds.). Himmerfjärren. Förändringar i ett näringsbelastat kustekosystem i Östersjön. Naturvårdsverket Rapport 4565, p. 87-96. (in Swedish)
39. Hansson, S. and Y. Lundström. 1998. Acoustic assessment of fish stocks in the coastal zones of the Baltic States. Sida project BAL-0571. Swedmar Consultancy Report
40. Karlsson, L., E. Ikonen, A. Mitans, S. Hansson, D. Uzars. 1999. Thiamine levels in migrating salmon spawners (*Salmo salar*) in the Gulf of Riga and in the Gulf of Bothnia. In: Bengtsson, B.-E., C. Hill and S. Nellbring. Nordic research cooperation on reproductive disturbances in fish. TemaNord 530:67-88
41. Ikonen, E., L. Karlsson, A. Mitans and S. Hansson. 1999. Yolk-sac-fry mortality (M74) in Baltic Sea salmon (*Salmo salar* L.): indications from where and when they feed. International Council for the Exploration of the Sea, C.M. 1999/U:07 (mimeo.).
42. Karlsson, L., E. Ikonen, S. Hansson and A. Mitans. 1999. Yolk-sac-fry mortality (M74) in Baltic Sea salmon (*Salmo salar* L.): its relation to thiamine levels during migration and at spawning. International Council for the Exploration of the Sea, C.M. 1999/U:08 (mimeo.).
43. Hansson, S., L. Karlsson, E. Ikonen, O. Christensen, A. Mitans, D. Uzars, E. Petersson and B. Ragnarsson. 1999. Yolk-sac-fry mortality (M74) in Baltic Sea salmon (*Salmo salar* L.): analyses of its relation to the diet. International Council for the Exploration of the Sea, C.M. 1999/U:09 (mimeo.).
44. Hansson, S. 1999. Ecological aspects on fisheries management. International Council for the Exploration of the Sea, C.M. 1999/Z:04 (mimeo.).
45. Hildén, M., R. Arnason, K. Hansen, S. Hansson, P. Jalonen, P. Mickwitz, and H. Vilhjámsdóttir. 2000. The relationship between environment and fisheries information. TemaNord 541:1-100.
46. Hansson, S. 2000. Östersjöns fisk – i kläm mellan fiske och övergödning. Fauna och Flora 95:169-176. Correction note to this paper: Fauna och Flora 96:90
47. Hansson, S. 2001. Modernt, storskaligt fiske i Östersjön. Kungl. Skogs- och Lantbruksakademiens Tidskrift 140(10): 77-81 (same article as #48).
48. Hansson, S. 2001. Modernt, storskaligt fiske i Östersjön. Rospiggen 2002:111-115 (same article as #47).
49. Hansson, S. 2001. De påstådda framgångarna speglar inte verkligheten (Replik på Kaj Larssons insändare i Yrkesfiskaren 20/2001). Yrkesfiskaren 23/24:4
50. Hansson, S. 2002. Beslutsvanda blir fiskens död. Miljöforskning 1:16-18.
51. Hansson, S. 2002. Development of sustainable fisheries in the Baltic Sea. Report, Coalition Clean Baltic.
52. Hansson, S. 2002. Lack of timely decision will be the death of fish. Swedish Research for Sustainability. 1:4-5
53. Hansson, S. 2003. Fisk, fiske och hållbar utveckling. Kungl. Skogs- och Lantbruksakademiens Tidskrift 142(3): 31-32.

54. Hansson, S. 2003. Kan fisket vara i harmoni med ekosystemet? Kungl. Skogs- och Lantbruksakademiens Tidskrift 142(6): 43-46.
55. Lindén, O., S. Hansson, H. Ackefors, R. Rosenberg, S. Ulfstrand, L.O. Eriksson, och L. Persson. 2003. Politikerna bör dras inför rätta för utfiskningen. Dagens Nyheter, June 10:4.
56. Brönmark, C., S. Hansson och L. Pihl. 2003. Fiske kan förändra hela ekosystem. In: Johansson, B. (ed.) Torskar torsken? Forskare och fiskare om fisk och fiske, pp 113-124. Formas förlag, Stockholm.
57. Hansson, S. 2003, Fiske och överfiske i Östersjön. In: En droppe i ett nordiskt hav?, pp 5-7
58. Brönmark C., Hansson S. and Pihl L. 2003. Overfishing disrupts the ecosystem. Swedish Research for Sustainability 3-4:10-12.
59. Elmgren R. and Hansson S. 2003. Övergödning, fiske och miljögifter hotar Östersjön. Miljöforskning 5-6:16-18.
60. Hansson, S. 2003. Development of sustainable fisheries in the Baltic Sea. Updated version 2003. Report, Coalition Clean Baltic.
61. Elmgren R. and Hansson S. 2004. The Baltic Sea – environmental goals still far away. Swedish Research for Sustainability 2:2-4.
62. MacKenzie B R., Almesjö L., Hansson S. and Fletcher N. 2004. Can cod help to clean up the Baltic Sea? ICES/CIEM Newsletter 41: 24-26
63. Hansson, S. 2004. Havet vi ärvde. Utemagasinet 6:80
64. Lindquist A., Ackefors H., Hansson S., Järvi T. and Alriksson A. (2004) Fiskar och fiske i Sverige. Kungl. Skogs och Lantbruksakademien, 32pp
65. Hansson, S. 2005. Fundamentalt korkad förvaltning. Yrkesfiskaren 23/24:4
66. Hansson, S. 2005. Kommentarer till uppsatsen 'Vem bestämmer över fisken i havet?'. Länsstyrelsen i Skåne län, Skåne i utveckling 11:23
67. Hansson, S. 2006. Östersjötorsken. In: Lindgren, B. and Carlstrand, H. (ed.) Kustfiske och fiskevård, pp 34-36. Bokförlaget Settern.
68. Hansson, S. 2006. Fisk och fiske – övergödning på ont och gott. In: Johansson, B. (ed.) Östersjön – hot och hopp, pp 137-147. Formas förlag, Stockholm
69. Jakobsson S., Laikre L., Hansson S., Kullberg C., Radesäter T., Ryman N., Tullberg B. och Wiklund C. 2006. Ekologisk hårdsmälta med lokala beslut om vargjakt. Dagens Nyheter Oct. 3:6.
70. Bonsdorff, E. och Hansson S. 2006. Varning för fiskepolitik à la Jönssonligan. Göteborgs-Posten Nov. 22.
71. Hansson, S. 2008. Vad har hänt med fiskbestånden i Östersjön? Kungl Skogs- och Lantbruksakademiens Tidskrift 147: 50-55
72. Hansson, S. 2008. Gösforskning i svenska Himmerfjärden. Fiskeritidskrift för Finland. 52:13-15
73. Johannesson K, Hansson S, Hansson L-A, Eriksson L-O, Greenberg L, Larsson P, Magnhagen C, Persson L, Ulfstrand S (2009) Ta med fisket i nya havsmyndigheten. Göteborgs-Posten, Nov. 9.

- 74. Carlson B. and Hansson S. 2009. Utfiskningen av haven. Oansvarigt öppna för torskfiske i Östersjön. Dagens Nyheter, May 11
- 75. Hansson S. (2013) Kustfiskens problem - stämmer det att ynglen svälter? Svealands kustvattenvårdsförbund 24-25.
- 76. Hansson S. (2013) Påverkar skarv och säl kustfiskbestånden? Svealands kustvattenvårdsförbund 31.
- 77. Hansson S. 2018. Säl, skarv och förlorade fångster. Havsutsikt, 1:14-16.
- 78. Hansson, S. 2020. Konkurrens om fisken mellan människa, säl och skarv. Rospiggen 2020: 75-79