

CURRICULUM VITAE Mikael Carlstein

Personal information	
	Ove Mikael Carlstein, born 01.05.1964, in Falun, Sweden. Three daughters born in 1989, 1990 and 1993. Home address, Hjortnäs, Karlesvägen 3, 793 90, Leksand, Sweden.
University degrees	
	<p>1984. University Certificate (U.C.) in Medical Laboratory Technology, Uppsala.</p> <p>1990. Master of Science (M.Sc.) in Agriculture, Swedish University of Agricultural Sciences (SLU), Uppsala.</p> <p>1996. Doctoral degree in Aquaculture with special reference to Fish Biology, Department of Aquaculture, SLU Umeå</p> <p>PLP-course in practical project work and leadership.</p> <p>Laboratory animal knowledge, National Board of Fisheries, Freshwater Research Laboratory.</p> <p>Advanced course in electric fishing and mussel-monitoring</p>
Positions	
	<p>Postman, Falun 08.03.1980 - 22.09.1984</p> <p>Laboratory technician, Swedish National Veterinary Institute (Fish Unit) during the periods: 01.03.1985 - 31.05.1985; 21.04.1986 - 22.08.1986; 03.07.1989 - 21.07.1989.</p> <p>Research assistant, Swedish University of Agricultural Sciences (Dept. of Aquaculture) 09.01.1991 - 15.01.1992.</p> <p>Ph D-student, Swedish University of Agricultural Sciences (Dept. of Aquaculture) 15.01.1992 - 30.06.1993.</p> <p>01.06.1996-11.30.1996.</p> <p>Parental leave, 01.12.1994 - 30.04.1995.</p> <p>Researcher, Swedish University of Agricultural Sciences (Dept. of Aquaculture) 01.12.1996 - 28.02.1997.</p> <p>Since 970301 holding a lectureship at the Älvdalen Educational Center.</p>
Pedagogic experiences and degrees	
	<p>Organizer and teacher at course in Aquaculture 12.03.1991 - 15.03.1991.</p> <p>Teacher at various courses (limnology, acidification, grayling biology and rearing techniques) at the dept. of Aquaculture and externally.</p> <p>Teacher and responsible for development of various courses at the Älvdalen Educational center, at the Entrepreneurs residential college for adult education Folkhögskola in Leksand and in education of private associations and companies.</p> <p>Pedagogic development project: "Use of researchers and Ph.D. students in education at the Department of Aquaculture". Financed by the Unit of Pedagogic development at the SLU.</p> <p>Basic course in pedagogics 1995 (4p).</p> <p>Pedagogic course for future associate professors, 2000.</p>
Presentations as an invited speaker at meetings.	
	<p>Fish farming conference in Luleå, Sweden March 3-5, 1992.</p> <p>Second Nordic Workshop on Atypical <i>Aeromonas salmonicida</i>, Turku Finland, September 16-19, 1993. Symposium on fish monitoring in the Water Framework Directive. 7-9 May 2004, Silkeborg, Denmark. Nordic Freshwater Biologists (NOFF).</p> <p>Seven years of boat electrofishing in Sweden. NOFF annual workshop. October 4-6, 2005. Älvkarleby, Sweden.</p> <p>Effects of rearing technique and fish size on post-stocking feeding, growth and survival of European grayling (<i>Thymallus thymallus</i> L.). 1st international Conference on the Grayling organized by the Grayling Research University of York, England July 12-13, 2006.</p> <p>Abundance estimates of Salmon (<i>Salmo salar</i> L.) juveniles in two Swedish rivers by boat electrofishing. NOFF work shop September 29, 2006. Seili, Finland.</p>
Supervision of students	
	<p>Intra- and inter-specific competition between European grayling and Brown trout. Graduate thesis (20p), Erik Olofsson, Univ. of Umeå. 1994.</p> <p>Post-stocking behaviour of European grayling and Brown trout. Graduate thesis of Stefan Thorfve, Univ. of Umeå. 1994.</p> <p>Quantification of Brown trout (<i>Salmo trutta</i>) and European grayling (<i>Thymallus thymallus</i>) populations in a small river, the River Unnån, Orsa municipality. C-arbete (10p) Anders Bruks, Department of Applied Natural Sciences, Swedish University, Härnösand.</p> <p>Comparison of snorkelling and boat electric fishing combined with mark-recapture as techniques for abundance estimates of European grayling (<i>Thymallus thymallus</i>) in River Ljusnan. Johan Andreasson, Examensarbete (20p). Dept of Limnology, Univ. of Uppsala.</p> <p>Abundance of European grayling (<i>Thymallus thymallus</i> L.) in boreal Swedish rivers and effect of habitat improvements. Overseas work placement at the Fish Resource Centre, Laurent LAFFERE. University Francois Rabelais de Tours. March--August 2006.</p>
Commissions of trust	
	<p>Since 02.12.96 representative of land owners in matters considering compensation for losses in the fishery due to water regulations within the case; "Trängslets samlingsmål (VA 40/74)".</p> <p>Since 1993 founder and chairman of the; "Stop the acidification foundation".</p> <p>Chairman of the big band Renhornen during 1994 & 1995.</p> <p>Founder (2002) and chairman of the "Siljan Trout Recovery Foundation".</p>
Grants	

	<p>1991. Kungliga skogs och lantbruksakademien. Research grant. 1991. Lantbruksvetenskapliga fakultetens resebidrag. Grant for travel. 1991. Stina och Richard Högbergs fond. Research grant. 1992. Anders Walls stipendium inom jordbruksområdet. Personal grant for "Spirit, energy and creativity w the aquaculture area worthy of imitation". 1993. Stiftelsen Oscar och Lili Lamms minne, grant for PhD-studies. 1993. Stina och Richard Högbergs fond. Research grant. 1993. "Jubileumsdonationen" från Knut och Alice Wallenbergs stiftelse. Grant for travel. 1994 ,1995 & 1996. Grants for visiting assistant supervisor in non-nordic country from the Swedish Univ. o Sci.</p>
Publications	<p>Carlstein, M., 1990. Produktion och omsättning av akvatiska organismer vid närsaltstillförsel i näringsfattig vatten. Rapport nr. 5, 44 sid. Vattenbruksinstitutionen, Sveriges lantbruksuniversitet, 901 83 Umeå. Thuvander, A. & Carlstein, M., 1991. Sublethal exposure of rainbow trout (<i>Oncorhynchus mykiss</i>) to polychlor biphenyls: effect on the humoral immune response to <i>Vibrio anguillarum</i>. Fish & Shellfish Immunology 1, 7 Carlstein M., 1991 Biology and rearing of the European grayling (<i>Thymallus thymallus</i>). Introductory resear essay no. 3. Swedish University of Agricultural Sciences, Department of Aquaculture. S-901 83 Umeå, Swe 25. Carlstein, M., 1991. Fleromättade fettsyror hos laxfiskar och deras betydelse för människan. Kompendium 25 sid. Vattenbruksinstitutionen, Sveriges lantbruksuniversitet, 901 83 Umeå. Carlstein, M., 1992. Startutfodring av harr - En jämförelse av olika foder. Fiskodlingskonferens i Luleå 3-5 Bilaga 9(15). Carlstein, M., 19 Natural food and artificial, dry starter diets: effects on growth and survival in intensively reared European Aquaculture International 1, 112-123. Carlstein, M., Jansson E., Ljungbe Svensson K.M., 1993. Bakteriell infektion vid sårjukdom hos harr. Rapport nr. 14, 5 sid. Vattenbruksinstitt Sveriges lantbruksuniversitet, 901 83 Umeå. Carlstein, M., 1993. Rotenon - Användning i fiskevård och dess biokemiska verkan. Rapport nr. 6, 10 sid. Vattenbruksinstitutionen, Sveriges lantbruksuniversitet, 901 83 Umeå. Carlstein, M., 1994. Tillväxt och överlevnad hos harr vid odling i olika tätheter. Rapport nr. 16, 5 sid. Vattenbruksinstitutionen, Sveriges lantbruksuniversitet, 901 83 Umeå. Carlstein 1994. Märkning av harr med coded wire-märken och fettfene-klippning. Rapport nr.12, 8 sid. Vattenbruksinstitutionen, Sveriges lantbruksuniversitet, 901 83 Umeå. Carlstein, M., Jansson E., Ljungberg, O. & Svensson K.M., 1994. Bakteriell infektion vid sårjukdom hos harr Rapport nr.14, 5 sid. Vattenbruksinstitutionen, Sveriges lantbruksuniversitet, 901 83 Umeå. Carlstein, M., 1995. Growth and survival of European Grayling reared at different stocking densities. Short communication, Aquaculture International 3, 260-264. Carlstein, M., 1995. Effekt av vattenkvalitet och temperatur på överlevnad och tillväxt hos harr påverkad a sjukdomen infektiös dermatit. Rapport nr.17, 8 sid. Vattenbruksinstitutionen, Sveriges lantbruksuniversitet 83 Umeå. Carlstein, M. & Eriksson L.-O., 1996. Post-stocking dispersal of European Grayling, <i>Thymallus thymallus</i> (L. semi-natural experimental stream. Fisheries Management and Ecology 3, 143-155. Carlstein, M., Jansson E. & Ljungberg, O. 1996. <i>Aeromonas salmonicida</i> subsp. <i>achromogenes</i> infection in European Grayling (<i>Thymallus thymallus</i>): Identification of aetiological agent and studies of mortality unde rearing conditions. Paper III in Doctoral thesis, Agraria 7. Swedish University of Agricultural Sciences, 15 pp. Carlstein, M., 1997 Effects of Rearing Technique and Fish size on Post Stocking Feeding, Growth and Surviv European Grayling (<i>Thymallus thymallus</i>). Fisheries Management and Ecology 4, 391-404. Thorfve, S & Ca M., 1998. Post-stocking Behaviour of European Grayling (<i>Thymallus thymallus</i>) and Brown trout (<i>Salmo tr a semi-natural stream. Fisheries Management and Ecology 5, 147-159. Ahlgren, G., Carlstein M. & Gustafss B., 1999. Effects of natural and commercial diets on the fatty acid content of European grayling. Journal of Biology 55, 1142-1155. Koskinen, M.T., Ranta, E., Piironen, J. Veselov, A., Titov, T.O., Haugen, T.O., Nilsson, J., Carlstein, M. & Pri C.R., 2000. Genetic lineages and postglacial colonization of grayling (<i>Thymallus thymallus</i>, Salmonidae) in as revealed by mitochondrial DNA analyses. Molecular Ecology 9, 1609-1624.</i></p>
Congress abstracts	<p>Carlstein, M., Jansson E., Ljungberg, O. & Svensson K.M. 1990. Ulcerative disease of grayling (<i>Thymallus thymallus</i> L.) infected with <i>Aeromonas salmonicida</i> var. <i>achromogenes</i>. International scientific conference; Bacterial diseases of fish, 26-29th June, University of Stirling, Scotland. Thuvand Carlstein, M., 1989. Exposure of rainbow trout (<i>Salmo gairdneri</i>) to Clophen A 50: Effects on the immune system. Nordic symposium on organic environmental chemicals 11.-14.9.1989. University of Joensuu, Fac mathematics and natural sciences, Report series n:o 29, p.81. Carlstein, M. & Gullberg K. Population studies of European grayling (<i>Thymallus thymallus</i> L.) in two regulated swedish rivers. Poster at second international symposium on the management of large rivers for fisheries. 11–14 February, Phnom Cambodia. Carlstein, M., Axenrot T., Bergquist B. & Degerman, E. Developments in electrofishing and hydro-acoustic techniques from boat for studies of fish in large Swedish The seventh Mekong River Commission technical symposium on Mekong fisheries. November 15-16, Univer Ubun Ratchathani, Thailand. Carlstein, M. & Bruks, A. 2006. Abundance estimates of European grayling (<i>Thymallus thymallus</i> L.) in two regulated boreal rivers in Sweden. 1 st international Conference on the Grayling organized by the Grayling Research Trust. University of York, England July 12-13. Carlstein</p>

	Axenrot T., Bergquist B. & Degerman, E. 2006. Developments in electrofishing and hydro-acoustic technique on a motor boat for studies of fish in large Swedish rivers. 1 st international Conference on the Grayling organized by the Grayling Research Trust. University of York, England July 12-13.
Entrepreneurial activities	
	Vice president of the Swedish Sport Fishing Tourism Entrepreneurs Association during 1999. Running private businesses since 1992 within consultancy and sport fishing tourism. Since 2003 holder of a patent for a principle of a protective garment against predator attacks on animals and humans.