

CURRICULUM VITAE

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Sven Oscar Kullander

Born November 30, 1952 in Sollefteå, Sweden. Swedish citizen.

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University Career

- *Filosofie kandidat* (Bachelor of Arts) in Chemistry, Biology (supplementary courses in Limnology, Zoomorphology, Structural Zoology, Systematics) and Theory of Science. Graduated from the University of Umeå on 31 October 1977.
- *Filosofie doktor* (Doctor of Philosophy) degree 19 January 1984 from Stockholm University, Zoological Systematics and Evolution Research. The dissertation with the title 'Taxonomic studies on the percoid freshwater fish family Cichlidae in South America' was presented 4 November 1983, with Melanie Stiassny as opponent. Supervisors for PhD studies were professor Alf G Johnels, and later professor Bo Fernholm.
- *Docent* (Associate professor) in Zoological Systematics and Evolution Research at the Zoological Institution, Stockholm University. April 1991.

Employments

- 1 July 1983 -30 June 1990. Research associate at the Department of Vertebrate Zoology, Swedish Museum of Natural History, funded by the Swedish Natural Science Research Council.
- 1 July 1990 – present. Senior Curator of Fishes at the Department of Vertebrate Zoology, Swedish Museum of Natural History. (On leave 1984 – 1989, 2003). Research proportion averaging 50%.
- 1 January 2003 – 31 December 2003. Deputy Head of Department, Department of Vertebrate Zoology, Swedish Museum of Natural History. [The Department of Vertebrate Zoology became part of the new Department of Zoology in January 2013.]

Research and Management Experience. Since 1981 engaged in systematic and biogeographic studies on South American freshwater fishes, especially cichlids, from 1998 also Asian freshwater fishes, project co-ordinator for a major research co-operation between China and European institutions to develop environment friendly aquaculture 2002-2004. Advisor 1987-1988 to a research project on Swedish freshwater fishes within Project Artedi. Also interested in other tropical freshwater fishes, with field experience from Africa and Asia. Project co-ordinator for SIDA training program in Paraguay 1993-1999. Head of FishBase group at the Swedish Museum of Natural History from 2003. Project leader for GBIF Sweden 2005–2010.

Information Technology Experience. Biodiversity informatics experience since 2001, particularly information systems (FishBase, GBIF), collection management systems (author of: The Artedian, The Web Artedian, The Artedian L/W), database management of taxonomic and occurrence records (MySQL, MS-Access). Programming: PHP, JavaScript (AJAX), VBA, SOAP. Server environment: WAMP. Familiar with GIS, niche modelling, image management, etc.

Current and Recent Major Research Projects

- Project Leader for inventories of endangered Swedish marine fishes within Project Artedi 2000-2001; WWF.
- Co-ordinator, CHINAFISH, 2000-2001, on new fish species for aquaculture and sustainable fisheries. EC INCO-DEV.
- Co-ordinator, ECOCARP, 2001-2003, on new fish species for aquaculture and sustainable fisheries. EC INCO-DEV.
- Co-editor, CLOFFSCA, Checklist of the freshwater fishes of South and Central America; ICLARM under EC.

- Principal Investigator, Work Package leader, FISHTRACE, 2003-2005. Genetic Catalogue and Biological Reference Collections and Online Database of European Marine Fishes. EC Quality of Life project
- Principal Investigator, Work Package leader, INCOFISH, 2005-2008. Integrating Multiple Demands on Coastal Zones with Emphasis on Aquatic Ecosystems and Fisheries. EC INCO-DEV project.
- Principal Investigator, BioFresh, 2011- [2014]. Biodiversity of Freshwater Ecosystems: Status, Trends, Pressures, and Conservation Priorities (BioFresh), EC 7th Framework large scale integration project.
- Principal Investigator, EU-BON, 2013- [2014] Building the European Biodiversity Observation Network (EC 7th Framework programme).

Society Board Member

European Ichthyological Society, Secretary, 1997-2001
European Ichthyological Society, in charge of IT issues, 2001-2004
Sveriges Fiskforskarens Förening, Chair, 2007-2009

Honorary Member

European Ichthyological Society, from 1988
American Society of Ichthyologists and Herpetologists, from 2010

Collecting Experience. Over thirty expeditions for freshwater fishes in Peru, Brazil, Myanmar, Zambia, Gambia, Paraguay, Uruguay, Colombia, French Guiana, China, Sweden, El Salvador.

Congresses. Over thirty international conferences, as a rule with presentations, including organisation of several.

Courses

- Handling of animals in ethological and ecological experiments — Department of Zoology, Stockholm University, 8 December 1994
- Electrofishing — Erik Degerman, Swedish Board of Fisheries, 10 June 2004
- Project leadership — Projektstyrning AB, 1-2 September and 8-9 November 2004

Editorial Board Member

- *Cybium* - Advisory Editorial Board, 1991-1995
- *Ichthyological Exploration of Freshwaters* - Editorial Board, 1990-
- *Comunicações do Museu de Ciências da PUCRS* - Consultório científico, 1993-1995
- *Fish and Fisheries Research* - Scientific Board, 1996-1997
- *Fauna och Flora* – Editorial committee, 1997-2005
- *Bonner Zoologische Beiträge* — Editorial Board, 2004-
- *Taprobanica* — Editorial Board, 2009-

Doctoral Committee Member

- Dissertation by Erland Dannelid: Dental Morphology in Eurasian shrews of the genus *Sorex*. Aspects on taxonomy, evolution and ecology. Department of Zoology, Stockholm University. October 1991.
- Dissertation by Michael Norén: Phylogeny and classification of prolecithophoran flatworms. Department of Zoology, Stockholm University. 31 May 2002.
- Dissertation by Jan I. Ohlson: Molecular systematics of tyrant flycatcher, cotingas, manakins and their allies (Aves: Tyrannida). Department of Zoology, Stockholm University. 13 June 2008.
- Dissertation by Catherine Boisvert: The origin of tetrapod limbs and girdles: fossil and developmental evidence. University of Uppsala, 9 April 2009.

Other Commissions

- Board of Agriculture - identification expert to CITES, from 1990
- National Food Administration - Member of the Scientific Council, 1993-2008
- IUCN/SSC Freshwater Fish Specialist Group 1994-1997

- Project Artedi (advisory committee on endangered fish species in Sweden) - Founding Member, from 1988, Chairman 2000-
- Board of Agriculture - identification expert on reptiles, from 1995
- FishBase Consortium – Vice-Chair 2000, Chair 2001, 2012, Member 1999-present
- European Registry of Marine species — editor for fishes, 2005-
- International Commission for Zoological Nomenclature — Commissioner, 2006-
- EDIT (European Distributed Institute of Taxonomy) — member of Steering Committee, Cybertaxonomy workpackage, 2006-2010
- Fauna Europaea — national focal point representative to EDIT, 2007-2010

- **Languages**

	Speak	Write	Read
English	XXX	XXX	XXX
German	X	X	XXX
Spanish	XX	XX	XXX
French	-	-	XX
Portuguese	(X)	-	XX

Teaching. Lectures and supervision at graduate and undergraduate level in Systematic Zoology at the University of Stockholm. Compendium: *Fisksystematik*, 1999-2013.

PhD Student Supervision

- Associate Advisor to PhD student Anders Silfvergrip from January 1990: Dissertation presented 3 May 1996: A systematic revision the neotropical catfish genus *Rhamdia* (Teleostei, Pimelodidae). Department of Zoology, Stockholm University.
- Associate Advisor to PhD student Fang Fang from March 1993: Dissertation presented 5 June 2001: Phylogeny and species diversity of the South and Southeast Asian cyprinid genus *Danio* Hamilton (Teleostei: Cyprinidae).
- Advisor to PhD student Bo Delling from April 1997: Dissertation presented 3 October 2003: Species diversity and phylogeny of *Salmo* with emphasis on southern trouts (Teleostei: Salmonidae). Stockholms universitet.
- Advisor to PhD student Oldrich Rican from September 2002: Systematics and phylogeny of heroine cichlids (Teleostei: Cichlidae) with focus on Central American taxa.
- Advisor to PhD student Liao Te Yu from March 2005: Miniaturization among cyprinid fishes: Phylogeny, evolutionary aspects and biogeography of the rasborin group of cyprinid fishes (Teleostei: Rasborinae)

PhD Course Teaching

International Code of Zoological Nomenclature, 4th edition. 11*2 hours, Spring 2000.

List-Owner

Cichlid-I - Cichlids Systematics Distribution List on Internet, 1995-
Eurofish-I – European Ichthyology Discussion List on Internet, 1997-

Publications

One-hundred-and-ten scientific papers and books, editorial contributions, and printed reports. Principal author on articles on Recent fishes in the National Encyclopedia. Numerous popular articles. Popular blog at <http://svenkullander.se/blog/>. Also coordinator for the Cichlidae in FishBase (<http://www.fishbase.org/>).

Software

The Artedian, ichthyological collection management software, 2001-present. Current Version 2.0.8
Collection Presenter, Web presentation platform for biological museum collections, 2003-present. Current Version 0.7
Collection Manager, WAMP based version of The Artedian, using web services and other Web 2.0 tools, 2006-present. Current Version 0.14

Additional minor applications in VBA and PHP.

