

CURRICULUM VITAE

Name	Thomas, Rainer
Date of birth	1 st March 1946
Nationality	German
Marital status	Married, two children (♀ 16, ♂ 12)
Profession	Biologist (University of Hamburg)

Expertise

- More than 15 years in fisheries biology and management, research fleet coordination biological oceanography, aquaculture, limnology, feasibility studies, project evaluations
- Long term jobs in Suriname, Nigeria, Indonesia (Sumatra)
- Stock assessment for pelagic and demersal fish stock in the North Sea and Baltic Sea
- Scientific participant on international marine multi-task research programmes in North and Baltic -Sea and in the upwelling area of the central Atlantic
- Formulating curricula for aquaculture training courses and undergraduate schools
- Training of Counterparts
- Capacity building in rural areas in LD countries
- Evaluation of national and international projects
- Liaison-officer for the diplomatic application for the German research fleet.
- Scientific Staff and time schedule coordination and logistics for the research cruises into the North Sea, Baltic Sea and Skagerrak
- Lecturer and advisor for post graduate and PhD students at the (IFM-GEOMAR)
- Senior scientist in fisheries projects, reviewer, expertise writing

Languages

German (mother tongue), English (fluent), Indonesian (good - fluent), Spanish (satisfactory)

Professional experiences

2012

- Scientific Senior Expert for the SES (Senior Expert Service). Assignment in Bangladesh for rural development in the field of aquaculture in particular for Tilapia and fish polyculture

2011 - 2012

- Freelance job for MSC (Moody LTd., Marine Stewardship Council) certification audits on Saith (ICES Area IV)
- Freelance job for a peer review on “Certification Report for Norwegian Spring Spawning Herring Purse-Seine and Pelagic Trawl Fisheries”

2010

- Scientific Senior Expert for the SES (Senior Expert Service) as management advisor in Bulgaria for a fish farm of 15 ha (Trout and Carp) with a possible production of 1200 t p.a.

2007 to date

- Establishment of a small enterprise in *in vitro* culture for highly endangered plant species (CITES)
- Acquisition of customers, fundraising for equipment and chemicals
- Book keeping

2005

- Freelance job on Otolith reading and statistical analysis of age data from various fish species of the Skagerrak
- Lecturer in gear technology and fish processing

2004

- Data evaluation and analysis of samples from Lake Toba and preparation of publications

October 2002 - March 2003

Employer: IFM-GEOMAR, University of Kiel
 Country: Germany
 Position: University teaching position

- Lecturer in gear technology and fish processing

September 2001 - September 2002

Employer: IFM-GEOMAR, University of Kiel
 Country: Germany
 Position: Fishery biologist

- Logistics, coordination and management of the cruises with the institute owned Research Vessels in EU and the German Government projects LIFECO, GLOBEC, STORE, IHLS and GADOLIFE
- Lecturer in stock assessment, fish anatomy and age reading for postgraduate students

October 2000 - September 2001

Employer: IFM-GEOMAR, University of Kiel

Country: Germany

Position: Fishery biologist (part time 3/4)

- Ecological research in the Kiel Fjord regarding the effect of extensive man made changes onto the environment.
- Logistics, coordination and management of the cruises with the institute owned Research Vessels in EU and the German Government projects LIFECO, GLOBEC, STORE, IHLS and GADOLIFE
- Teachings in stock assessment, fish anatomy and age reading for postgraduate students
- Scientist onboard the Danish R.V. 'Dana' during several multidisciplinary international research cruises
- Lecturer in stock assessment, fish anatomy and age reading for postgraduate students

September 1998 - September 2000

Employer: IFM-GEOMAR, University of Kiel

Country: Germany

Position: Fishery biologist (part time 3/4)

- Ecological research in the Kiel Fjord regarding the effect of extensive man made changes onto the environment.
- Lecturer in stock assessment, fish anatomy and age reading for postgraduate students

September 1998

Freelance: Carl Duisburg Foundation

Country: Germany

Position: Moderator the final seminar

- Evaluation of the advanced training program for Participants worldwide "Protection und Utilization of Oceans"
- Briefing the Organisation with a final report

July 1997 / October 1997

Freelance: Carl Duisburg Foundation

Country: Germany

Position: Moderator for the intermediate and final seminar

- Evaluation of the advanced training program for Participants worldwide "Protection und Utilization of Oceans"
- Briefing the Organisation with a final report

April 1996

Freelance: WWF

Country: Germany

- Feasibility study for the WWF on implementing a certificate for the inland fishery recreational fishing

October 1995

Freelance: GFA Consulting Group
 Country: Germany

- Economic valuation of project proposal for the production of fishsauce in the GUS

September 1993 - August 1995

Employer: IFM-GEOMAR, University of Kiel
 Country: Germany
 Position: Fishery biologist

- Evaluation of two lakes in Northern Germany in regard to environmental changes
- Investigations on the lakes fishery management and stock assessment of exploited fish
- Analysing the influence of the commercial fishery on the ecosystem of these lakes
- Examine the lakes environments and ecology under the aspect of a reduced eutrophication by man
- Teachings in stock assessment and fish anatomy for postgraduate students
- Advisor for master degree students
- Lecturer and excursion leader for international student groups visiting the IFM
- Contributor on the "Intern. limnological Conf. in commemoration of the 65. Ruttner-Thienemann Sunda Expedition" in Salatiga, Central Java, Indonesia

August 1992 - September 1993

IHF (Institute for Hydrobiology and Fisheries), University of Hamburg
 Country: Germany

- Investigations for my dissertation on the limnology and hydrobiology of Lake Toba, on material which I collected on private initiative in 1991.

September 1995 - September 2003

IFM-GEOMAR, University of Kiel
 Country: Germany

- Entitlement to work at the IFM and to use the facilities of the institute

January 1988 - January 1992 (fixed term)

Employer: Yayasan T.P. Arjuna (NGO)
 Country: Indonesia
 Duty station: Pintubosi-Laguboti 22381, Sumatra, Indonesia
 Position: Fisheries consultant in the field of fisheries and aquaculture in the area of Lake Toba (integrated expert)

- Rural development
- Improvement of the basic food supply and income (capacity building)
- Formulating guidelines and a curriculum for training programmes in aquaculture and related fields
- Training of peasants in aquaculture during two weeks seminars
- Consultant and adviser in the field of fisheries

- Establishment and management and operation of the carp hatchery on the campus of the YTPA
- Joint training programmes with other local organisations (NGO's) in most rural areas
- Establishment and management of poultry farm with up to 5000 broilers
- Briefing the president (Prof. Dr. Median Sirait) of the YTPA for the intended perspectives of the school
- Personal management and supervision of a technician as well as training of the counterparts

December 1983 - December 1985 (fixed term)

Employer Institute of Oceanography, Univ. of Calabar
 Country: Nigeria
 Duty station: Calabar
 Position: Technical advisor / associated professor

- Consultant in applied and natural -science
- Projecting the new institute building for Oceanography (7200 m²)
- Planning, designing and furnishing laboratories for aquatic science
- Briefing of the architects and other consultants concerned with the new building
- Management and administration of the technical services units of the institute
- Supervisor / lecturer for the undergraduate research fellows (post grad. stud.)
- Member of the academic board
- Personal manager for approx. 20 students and technical staff

December 1982 - March 1983 (fixed term)

Employer University of Hamburg
 Country: Germany
 Position: Assistant

- Preliminaries for the Expedition <BIOCIRCLE> with the German RV "METEOR"
- Furnishing one cruise section with the equipment for the research in zoology, hydrobiology, oceanography and fishery
- Innovating a filtration device to filter plankton
- Elaboration of a new method to obtain insitu data / photos through ultra short exposure photograph
- Supervising two student workers

April 1981 - December 1981 (fixed term)

Employer German Agency for Technical Coop. (GTZ) Ltd., Eschborn, FRG
 Country: Suriname
 Position: Fisheries biologist
 Duty station: Paramaribo

- Scientific fisheries survey on the shelf off the Republic of Suriname
- Writing reports on the scientific results
- Assistance for the proceeding reports and the final report
- Personal management of native counterparts in regard to fisheries biology

January 1980 - July 1980 (fixed term)

Employer: Biological Station Helgoland
 Country: Germany
 Position: Biologist

- Environmental pest control
- Pesticide analysis in marine organisms (e.g. *Mytilus edulis*)
- Summary of the Scientific results
- Supervising technicians

1974 / 75 / 79 / 80

Employer University of Hamburg
 Country: Germany
 Position Various short term jobs as technical assistant and student worker

- Fishery, oceanography and hydrobiology in temperate, tropical and subtropical waters
- Working onboard German research vessels, e.g. METEOR
- Participant on cruises into the North and West Atlantic
- Stockassessment of fish caught with pelagic and bottom trawls
- Taxonomy of marine organisms
- Surveillance of fish locating devices
- Waterchemistry
- Operation of the equipment for underwater photography and TV
- Evaluation of interpretation of the deep sea photographs and films
- Limnological and hydrobiological survey of a small lake near Hamburg

Computer skills: Standard software from DOS to Win7; PC and Macintosh MacDraw, Sigma Plot, Photoshop and Multimedia etc.

Writing in (X)HTML, Java Script, design of own homepages (<http://www.bio-consultants.com>)

Other knowledge: 11 years Experience as skilled worker (precision and electrical engineering) 1961-1964 I.D.Möller, Wedel; 1964-68 SIEMENS, Hamburg; 1968-73 PHILIPS, Hamburg; 1973 NORDCOLOR, Lübeck

Planning, construction, elaboration and repair of mechanical as well as electronic equipment, photography, poultry farming, plant breeding

Education

1952 - 1961	Primary / intermediate school
1961 - 1964	Apprenticeship for precision mechanic (exam. as craftsman)
1969 - 1973	Abendgymnasium (secondary school for adults at evening classes)
1973	Abitur (A-level equivalent)
1973 - 1977	Studies of biology at the University of Hamburg (Vordiplom)
1977 - 1980	Studies of hydrobiology and fisheries at the Univ. of Hamburg
1980	Scientific degree (Diploma ~ MSc) in hydrobiology and fisheries at the University of Hamburg
1987 - 1988	Secretary school for Spanish language
1985 / 1988	Courses for project and personal management

Publications

- Thomas, R., 1987. Biological investigations on the blue ling, *Molva dypterygia dypterygia* (Pennant 1784 after O.F. Müller 1776) in the areas of the Faeroe Islands and to the west of the Shetland Islands. *Archiv. FischWiss.* 33(1/2): 9-34.
- Thomas, R., 1988. A method to determine fecundity from frozen ovaries. *Meeresforsch.* 32 (1989), 248 - 249.
- Thomas, R., 1989. Program Latihan untuk peternakan ikan, 57 pp. Translated from English into Bahasa Indonesia with the assistance of the Yayasan T.P. Arjuna. © Yayasan T.P. Arjuna.
- Thomas, R., 1990. Slide series "Alltagsleben in Indonesien".
Deutsche Stiftung für Entwicklungshilfe (DSE), Bad Honnef, FRG. © Thomas, R..
- Thomas, R., 1994. Limnological and biological investigation in the southern part of Lake Toba, Sumatra, Indonesia. *Tropical Limnology, Volume II, Tropical Lakes and Reservoirs. Proceeding of the "Intern.Conf. on Tropical Limnology in Commemoration of the 65. Anniversary of the Ruttner-Thienemann Limnological Sunda Expedition"* 4. - 8. July 1994, Salatiga, Central Java, Indonesia; p 73-86
- Thomas, R., 1996. Einfluß der Gewässerqualität und Seebewirtschaftung auf die Fischbestände und deren Reproduktion im Dieksee und Wittensee in Schleswig-Holstein. Eine Studie über den Zeitraum von Januar 1991 bis August 1995. Institut für Meereskunde an der Universität Kiel. (expertise) 189 pp
- Thomas, R., 2003. Untersuchungen zur Fisch- und Biozönose im Kieler Hafen mit besonderer Berücksichtigung des Germania-Hafens (Querbeckens) und der ökologischen Ausgleichflächen in der Hörn und am Terminal 3, im Zeitraum Oktober 1998 bis September 2000. Institut für Meereskunde an der Universität Kiel. (expertise) 72 pp
- Thomas, R., 2005. Fishes and Ecological Aspects in the Southern Region of Lake Toba and its Associated Rivers, Sumatra, Indonesia. *Malayan Nature Journal* 2005, 57(1), 81 - 89

Oral presentations

Thomas, R., 1994. Limnological and biological investigation in the southern part of Lake Toba, Sumatra, Indonesia. Intern.Conf. on Tropical Limnology in Commemoration of the 65. Anni-versary of the Ruttner-Thienemann Limnological Sunda Expedition, 4. - 8. July 1994, Salatiga, Central Java, Indonesia

Presentation of various topics at Seminars at the Institute of Marine Research (IFM), Kiel; Centre for Tropical Marine Ecology (ZMT) Bremen; Institute for Hydrobiology and Fisheries Science (IHF), Hamburg; Deutsch-Indonesische-Gesellschaft, Kiel

Poster presentation

Thomas, R., 1994. Fishes of Lake Toba (Poster), Sumatra, Indonesia. Intern. Conf. on Tropical Limnology in Commemoration of the 65. Anniversary of the Ruttner-Thienemann Limnological Sunda Expedition, 4. - 8. July 1994, Salatiga, Central Java, Indonesia.