

CURRICULUM VITAE

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



Expertise

- More than 20 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 Least Developed 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
- Scientific advisor for the SES -Senior Expert Service- of the German Government

Languages

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

Professional experiences

2018

Scientific advisor for the SES (Senior Expert Service). Assignment for the Curriculum development at the Faculty of Fisheries and Marine Science at the Airlangga University, Surabaya, Indonesia

2017

- Scientific advisor for the SES (Senior Expert Service). Assignment for the Curriculum development of the fisheries department at the Gadjadarmas University in Yogyakarta, Indonesia

2017

- Scientific advisor for the SES (Senior Expert Service). Assignment in Kazakhstan for feeding strategy of common Carp in water reservoirs and implementation of a fish processing factory.

2015, 2016, 2018

- Scientific Senior Expert for the SES (Senior Expert Service). Assignment in Uganda for rural development to implement Tilapia fish culture in ponds and net cages.

2014

- Scientific Senior Expert for the SES (Senior Expert Service). Assignment in Georgia for the improvement of the commercial aquaculture fish production (Rainbow trout).
<https://www.youtube.com/watch?v=DDQaA2EuYrs>

2011, 2012, 2013, 2014, 2016, 2017

- Freelance job for MSC (Moody Ltd., Marine Stewardship Council) certification audits on Saith (ICES Area IV)
- Freelance job for peer reviews on "Certification Report for Norwegian Spring Spawning Herring Purse-Seine and Pelagic Trawl Fisheries"; "Certification Report for Pollock fishery of the Russian Sea of Okhotsk"

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 poly culture

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>, org, de)

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 Seenbewirtschaftung auf die Fisch-

bestände 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.

Exhibitions

Y.D. Sankar-Thomas, Thomas, R., 2009 - 2019. TROPICAL DAYS (twice a year) at the Botanical Garden 'Planten un Blomen' University of Hamburg. "*In vitro* culture of rare and endangered plant species"; "All about sugar and natural sweeteners".

