***CURRICULUM VITAE CAROLINE***

***CAROLINE.130724@2freemail.com***

|  |  |  |
| --- | --- | --- |
| **Personal Information** | **Date of birth**: 7 June 1980 | **Sex**: Female |
|  | **Marital Status**: Single |
|  | **Drivers license**: Drivers License  |
| **Education** | **High School Subjects**: 1996 Grade101998 Grade 12 Centaurus High School |
| **1996 Grade10**English German Business ManagementLife Science Mathematics Typing (20 w/min)Geography Physical Science History**1998 Grade 12**English HIGCSE Development studies IGCSE Biology IGCSE Mathematics IGCSE Geography IGCSE Physical Science IGCSE |
| **Tertiary Education**: University of Namibia **1999-2003****B.Sc.** Natural Resources ProgramUniversity of Bremen, Germany **2006-2009****M.Sc**. International Studies in Aquatic Ecology- Tolerance of juvenile **Pacific Oysters** (*Crassostrea gigas*) exposed to severe hypoxia and hydrogen sulphide in Namibian watersUniversity of Namibia, Windhoek, Namibia/Karlsruhe Institute of Technology**PHD.** Environmental Biology/Bioengineering **2017-**Abundance and Diversity of Freshwater Microalgae in Eutrophic Systems of Namibia, Lipid and Biomass optimization of *Nannochloropsis limnetica*; Microalgae identification/isolation, microalgae cultivation, culture media manipulation, sub culturing and culture expansion, cultivation system and photo bioreactor design, lipid/carbohydrate/protein extraction and analysis (Bioprocess engineering; Biofuel Production), Genetic Engineering (Gene transformation-synechocystis),Water Quality/nutrient Assessment, Water Chemistry, Estuarine ecology, Limnology, Marine/Fresh water biology, Environmental Physiology, Environmental management, Ecotoxicology, Aquaculture, Ecosystem modeling and analysis,Terrestrial Ecology, Microsoft/SPSS statistical software applications. |

|  |  |
| --- | --- |
|  | **1ST year UNAM** |
| Intro Physical Sc Intro Stats BiologyAgric. Chemistry Elementary Mathematics Computer Literacy Communication & Study Skills |  |
| **Main Courses 2nd, 3rd & 4th year UNAM** |
|  Introduction to Agricultural Economics GeneticsProduction Economics Principles of Fish and Wildlife Management Rural Sociology Agricultural Biochemistry Water Chemistry | Fish Diseases and Parasites Biometrics IAquatic Ecology Tropical Ichthyology Field Attachment Physical Oceanography Biosystematics Biometrics II AquacultureChemical Oceanography Food Chemistry |
| Introduction to Forestry Namibia Geography and Natural HistoryGeneral Soil Science Plant Physiology Introduction to Environmental Science Analytical Chemistry General Microbiology Communication in Extension and Education Climatology and Hydrology Natural Resource Economics LimnologyField Attachment Introduction to Ecology Fish BiologyFish Processing and Quality Control | Marine Animal Physiology Population Dynamics I Conservation Biology Biological OceanographyIntroduction to Food Technology Food MicrobiologyResearch ProjectProject Planning and Management Population Dynamics for Aquatic ResourcesFisheries Economics Fishing Technology Law of the SeaIntegrated Coastal Zone Management Field AttachmentFish and Sea Food Marketing |
| **1ST term (Module I,II, III: Aquatic Ecology, Resource Use Assessment, Fundamentals of Scientific Work); UNIVERSITY OF BREMEN** |
| Concepts of aquatic ecology Aquatic floraAquatic faunaTropical coastal ecosystems Fisheries biology Microbiology | Data exploration & statistical analysis Scientific writingIntroduction to system analysis Planning & design of ecological studiesTropical aquaculture and its physiological basics Tropical fisheries & catching methodsGIS applied to coastal management |
| **2nd term (Module IV, V, VI: The Abiotic Environment , Computer Use & Modeling, Approaches for Coastal Planning & Management); UNIVERSITY OF BREMEN** |





|  |  |
| --- | --- |
| * Fundamentals in physical oceanography & hydrology
* Biogeochemical Cycling of Elements in the Aquatic Environment
* Aquatic pollution
* Participatory techniques & stakeholder analysis
* Economic valuation of natural resources II
 | * Coastal geomorphology & coastal processes
* Population dynamics & stock assessment
* Trophic modeling of ecosystems
* Modeling spatio-temporal dynamics
* Modeling in conservation biology
* Economic valuation of natural resources I
* Environmental law
* Interdisciplinary between natural and social sciences in coastal management
 |
| **Additional Training Courses/Workshops** |
| * **NAMCOL-Workshop**-Bachelor of Arts in Youth Development Work-Reviewing curriculum for intended program
* **Academic writing**-University of Namibia
* **HPLC**-University of Namibia
* **Harmful Algae Blooms** (Taxonomic Identification, Profiling)-IOC
* **Project Management** (Project planning, scoping, organizing, cost projections)-University of Stellenbosch
* **Bioentrepeneurship**-University of Pretoria
* **Laboratory Analysis** (Basic lab course)-Rhodes University
* **International Environmental Auditor’s Course** (ISO 14001:2004 systems implementation, inspections, audits and compliance monitoring)-Crystal Clear (UK)
* **Anglo-American Risk Management Course** (Identification of risk, impacts, sources and ways to control and mitigate such risks)
* **Road and Fence Study Course** (Identifying and monitoring impacts of roads and fences on the Sperrgebiet biodiversity)
* Two-day **Academic writing** seminar offered by Elizabeth Henning
* **Basic Safety, Medical Emergency, Basic Fire hydrant** 10 day course offered by Namibian Maritime and Fisheries Institute
* Two week training course on **Fisheries Acoustics** in South Africa, Cape Town

**Inherent Skills/Personal Attributes**Skills in science, leadership skills, networking/interpersonal/international relation skills, mentoring/coaching/team building skills, organizational skills, strategy skills, organizational skills, research skills, negotiation/advocacy skills, critical thinking, analytical thinking, emotional intelligence, complex problem solving, decision making, effective verbal and listening communication/public speaking skills, honesty, integrity, frankness, trustworthy, reliability, active learning, and writing, proficiency with Microsoft Excel, Word and scientific software, ICT**Languages*** + English: (Read, Write-Excellent),
	+ Afrikaans: (Read, Write-Good),
	+ German: (Read, Write-Good)
	+ Damara/Nama: (Read, Write-Good)
 |

**Work Experience** 2017-present **Namibian University of Science and Technology** (NUST)-Lecturer- Department of Civil and Environmental Engineering

2014-present **National Commission on Research, Science and Technology** (NCRST)- Councilor

2011 **Namibian College of Open Learning** (NAMCOL) (Grade 12 English Lecturing and Tutoring) 6 months

2010 **Namdeb Diamond Corporation (Pty)** (Senior Environmental Officer) 20 months

2009-2014 **Kamol Biofuel Namibia** (Bioengineer) Feasibility on Biofuels with Municipality of Trelleborg/Sweden

2009 **UCCB** (University Central Consultancy Bureau) 1 month

2009 **Tunacor** (Biologist-assessing population dynamics for octopus) 6 months

2007 **Rural Poverty Reduction Program** (NPC); researcher-Developing Environmental Impact Assessment for Aquaculture in Namibia) 6 Months

2004 **NatMIRC** (Fisheries Research Technician) 3 years

2003 **The National Museum of Namibia** (Trainee Curator) 6 Months 2002 **NatMIRC/BENEFIT** (Trainee Researcher) 6 weeks.

2001 **Pasta Namibia Factory** (Trainee Quality Controller) 6 weeks

# 2017-present Lecturer-Environmental Engineering

* Introduction to Environmental Engineering and Systems
* Environmental awareness, laws and regulations
* Water quality and water treatment processes
* Air quality management, noise control
* Solid waste management
* Environmental impact (SEA-Strategic Environmental Assessment) and risk assessment

# 2014-2017 Councilor on Science, Research and Technology

* Creating Framework, Regulations on GMO products in Namibia; Advising on Science, Research and Technology

# 2010 (Senior Environmental Officer)

* Ensuring that all Environmental Management Plans are incorporated in the EMS database and progress updated;
* Arranging the logistics around environmental research and scientific monitoring;
* Conducting research related to environmental solution finding;
* Collating environmental monitoring and measurement information;
* Coordinating and conducting environmental training awareness and competence;
* Reviewing and reporting on environmental management system performance;
* Conducting internal environmental compliance and system audits;
* Conducting risk assessments and give input into EIAs;
* Drafting up Rehabilitation and Waste Management Strategies to facilitate current and closure of mine;
* Compilation of Environmental Monthly Reports, reviewing and compiling Material Safety Data Sheets;
* Planning, Development and Implementation of Programs and Projects identified by EMPs and EMS;
* Carrying out investigations on environmental incidents;
* Facilitate, coordinate and engage in stakeholder forums and meetings.
* Budgeting and Administration of Projects

# 2009-2014 (Group Leader/Coordinator- Bioengineer)

Feasibility of Biofuel/Biofertilizer production for Okahandja, Swakopmund and Walvisbay areas/municipalities-Trelleborg/Sweden

# 2009 (Consultant in training)

* Reviewing the key components in the TOR, and presenting the conclusions in writing
* Compiling a log frame for projects
* Liaising with identified technical experts who are preparing the project proposal and ensuring that all required CVs are in place and correctly formatted
* Drafting Proposals; Keeping records on the process of the project proposal preparation and preparing progress notes; Carrying out fieldwork.

|  |  |
| --- | --- |
|  | **2007 (Researcher)**National Planning Commission (RPRP)* 6 month research to develop a Framework for Environmental Impact Assessment Guidelines for aquaculture in Namibia

**2003 (Fisheries Research Technician)**NatMIRC (Ministry of Fisheries and Marine Resources-Directorate: Resource Management) 3 years* + Assist with research on Namibia’s commercially important resources, via stock assessment
	+ Assist in recommendation to management regarding resource management, legislation and policies
	+ Attendance and presentation of data at research meetings, seminars, symposia
	+ Supervision and in-house training of staff
	+ Attendance of courses
	+ Responsible for technical aspects of resource research
	+ Responsible for short and medium-term planning and co-ordination of technical work, including optimal utilization of personnel appointed to the subdivision
	+ Responsible for day to day administration of the technical staff
	+ Responsible for appraisal assessment of personnel falling directly under her/him
	+ Responsible for control of equipment and consumable of subdivision
	+ Taxonomic identification

**2003 (Trainee Curator)**National Museum of Namibia (Ministry of Basic Education, Sport, Culture) 6 Months* + Field collection of fish and aquatic invertebrates
	+ Curatorial practices and taxonomic research
	+ Data processing and Systematics
	+ Overall training on Museum collection management techniques

**2002 (Trainee Researcher)**NatMirc/BENEFIT (6 Weeks)* + The pelagic goby is of little importance to the fishing industry in Namibia. Due to the disturbances in the fishing communities in the Benguela region ecosystem leading to the collapse of some commercially important species brought the appeal of interest to the pelagic goby. Therefore, the data retrieved through this research may assist either the Ministry of Fisheries and Marine Resources or any eligible company interested in either maintenance of the pelagic goby or marketing the pelagic goby with better understanding or knowledge of a goby biology/diet.
	+ The primary objective of the research was to study the diet of the *Sufflogobius bibarbatus* (pelagic goby) at given destinations of the Benguela region. The secondary objective was to distinguish the difference of diet among inshore and offshore of the pelagic goby.

The study was conducted by recording morphological measurements such as length and weight. Once the samples were dissected, the stomach was removed, weighed, and then given a rank (i.e. 0-empty, 5-full). Thereafter the contents of the stomach were**2001 (Trainee Quality Controller)**Pasta Namibia (6 Weeks)* Floor supervisor; Ensure all production runs smoothly, ensure that production machinery are clean and hygienic standards are maintained, production stock control and recording, attending to all personnel administration and conflict matters.
* Reception; Answering company calls, filling and administering company papers
* Advertising; Promotion and selling company products
 |
| **Professional Affiliations** | Member:SANCOR (South African Network for Coastal and Oceanic Research) ISALS (International Society for Applied Life Science) |
| **Interest and activities:** | New Technology, Swimming, Cooking, Social media, Local/Regional/International News, Reality TV/Documentaries/CSI, Theatre, Painting/Sketching, Museums/Art Exhibitions, Reading/Debating, Politics, Environmental Management, Marine Biology, Aquaculture, Biotechnology, Bioengineering, Renewable Energy, Workshops on Youth and Child development, Mentoring/Coaching, Motivational Speaking, Poverty alleviation, Community Outreach |

|  |  |
| --- | --- |
| **Future Plans:** | I am an international thinker with that has poverty alleviation and youth empowermenton mind. Thus seeing myself in a managerial position that executes sustainable use of natural resources to benefit the existing and future generations. |