


Maranda Esterhuizen-Londt, PhD

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WORK EXPERIENCE

University Researcher

Since Dec 2017

Ecosystems and Environment Research Programme, Faculty of Biological and Environmental Sciences
University of Helsinki, Lahti, Finland

Research: Monitoring studies, Xenobiotic impact assessment. Mycoremediation technology development.

Teaching: Bachelor and master research and thesis supervision.

Post-Doctoral Researcher

Sept 2014–Nov 2017

Institute of Biotechnology, Chair of Ecological Impact Research and Ecotoxicology
Technische Universität Berlin, Berlin, Germany

Research: Ecotoxicological impact investigations of how toxins and pharmaceuticals influence various aquatic organisms as model biomarkers at a physiological and biochemical level. Bioremediation technology development with aquatic macrophytes and fungi.

Teaching: Beware of toxic metabolites, Exercises in aquatic ecology, Practical course in Ecotoxicology (4 weekly semester hours (WSH)). Bachelor, master, and doctoral research and thesis supervision.

Microbiology Laboratory Manager / Researcher

July 2011–Sept 2014

InnoVenton and the Downstream Chemicals Technology Station
Port Elizabeth, South Africa

Research: *Microalgae to biofuel*. Investigate and optimize parameters affecting microalgae biomass cultivation for biofuel production in an outdoor pilot plant.

Other duties: Microbiology laboratory management; Safety, Health and Environment (SHE) representative, First Aid representative.

Contract Lecturer

July 2011–Jan 2012

Department of Biochemistry and Microbiology
Nelson Mandela University, Port Elizabeth, South Africa

Teaching: BC 231 Carbohydrate Metabolism – undergraduate (3 WSH), BM 410 Microscopy – post graduate (1 WSH).

Curriculum Vitae of Maranda Esterhuizen-Londt

Research Assistant / Post-graduate Demonstrator (Part time) Jan 2006-June 2011
Cyanobacterial Research Group, Department of Biochemistry and Microbiology
Nelson Mandela University, Port Elizabeth, South Africa

EDUCATION **Philosophiae Doctor** April 2008-April 2011
Department of Biochemistry and Microbiology, Nelson Mandela University
Thesis: β -N-methylamino-L-alanine (BMAA) in South African cyanobacteria:
Prevalence, Ecotoxicology and Human Exposure Risk

Master of Science (Research) Jan 2007-incomplete
Microbiology, Nelson Mandela University
Degree upgraded to PhD

Bachelor of Science Honours (Research and Course work) Jan 2006-Dec 2006
Major: Microbiology, Nelson Mandela University

Bachelor of Science Jan 2003-Dec 2005
Majors: Microbiology and Biochemistry, Nelson Mandela University

ACADEMIC OUTPUTS:

Peer-Reviewed Articles: 25

Book Chapters: 1

Book Editor: 1

International Conferences: 13

Student supervision: 22 Bachelor, 13 Master, and 3 PhD

Reviewer: Frequent referee for international journals.

Academic societies: South African Society for Microbiologists, American Association for the Advancement of Science member.

Visiting scientist:

2008: College of Life Sciences, University of Dundee, Dundee, Scotland

2008 and 2009: Department of freshwater ecology and limnology, IGB Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Berlin, Germany
