

ALESSIA KOCKEL

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SUMMARY OF QUALIFICATIONS

MSc with a research background in marine protected areas (MPA), spatial planning, and fisheries management

Comprehensive knowledge and experience in MPA design, management, and monitoring in the context of South-East Asia

Ability to successfully lead and support marine conservation programs and projects in close collaboration with local partners, staff, and stakeholders

Proven ability to design and implement robust ecological and socioeconomic methodologies to support the development and management of MPAs and other fisheries management strategies

Experience in developing and facilitating capacity building, training and professional development workshops

Skilled at working with a diverse range of stakeholders, academics, private sectors, government and non-government organizations

Proven competencies in project management, grant and report writing, research dissemination, cross-cultural communication, and stakeholder engagement and participation

Highly proficient in ArcGIS, QGIS, Marxan, and Marxan with Zones

Fluent in English, French, and Italian; and basic knowledge of Spanish

EDUCATION

MASTER OF SCIENCE/ MARINE PROTECTED AREAS RESEARCH GROUP, DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF VICTORIA

September 2014 – June 2018

Victoria, BC, Canada

- Specializations: Marine protected areas, conservation planning, social equity, small-scale fisheries, Marxan with Zones, and Philippines
- High academic standing with a grade point average (GPA) of 9.0/9.0

BACHELOR OF SCIENCE (AGRICULTURAL & ENVIRONMENTAL SCIENCES)- MAJOR IN WILDLIFE BIOLOGY/ MCGILL UNIVERSITY

September 2006 – May 2010

Montreal, QC, Canada

STUDY ABROAD- MARINE BIOLOGY / UNIVERSITY OF QUEENSLAND

March 2009 – September 2009

St. Lucia, Queensland, Australia

TECHNICAL DIPLOMA IN ECOLOGICAL TECHNOLOGY/ VANIER COLLEGE

September 2003 – May 2006

Montreal, QC, Canada

WORK EXPERIENCE

'MARXAN WITH ZONES' TRAINER/ PACMARA

June 2018

Kuching, Malaysia

- Co-developed and facilitated a 3-day technical training course on the spatial prioritization software 'Marxan with Zones'
- Assisted participants from non-profit organizations and academic institutes to design protected area networks

GEOSPATIAL GRADUATE ASSISTANT/ DIGITAL SCHOLARSHIP COMMONS

January – June 2018

Department of Geography, University of Victoria, Victoria, BC, Canada

- Developed and delivered workshops for students and faculty on geospatial concepts and tools (e.g., ArcGIS, Google Earth Pro, and QGIS)

PUBLICATIONS

Kockel, A., Ban, N., Costa, M., and Dearden, P. (2018). *Evaluating approaches for scaling up community-based marine protected areas into socially equitable and ecologically representative networks*. Manuscript submitted for publication.

Dearden, P., and Kockel, A. 2017. *Review of the Saguenay Fjord National Park, and the Saguenay St. Lawrence Marine Park (Quebec) for Potential Tentative World Heritage Site Listing under Criteria (ix) and (x)*. Ottawa. Report to Parks Canada Agency.

CONFERENCES

Kockel, A., Ban, N., Costa, M., and Dearden, P. (June 2018). *Evaluating approaches for scaling up community-based marine protected areas into socially equitable and ecologically representation networks*. Paper presented at the 5th International Marine Conservation Congress; Kuching, Malaysia.

Kockel, A., and Dearden, P. (June 2016). *Achieving equity in systematic marine conservation planning*. Paper presented at Conservation Asia; Singapore.

Kockel, A., Ban, N., and Dearden, P. (June 2016). *Bridging the divide between systematic conservation planning and community-based conservation*. Poster session presented at the 13th International Coral Reef Symposium; Honolulu, Hawaii.

SPECIALIST INSTRUCTOR/ GEOG274- INTRODUCTION TO BIOGEOGRAPHY

January – April 2017

Department of Geography, University of Victoria, Victoria, BC, Canada

- Assisted students with lab assignments
- Graded mid-terms, final exams, and lab assignments

SPECIALIST INSTRUCTOR/ GEOG209- INTRODUCTION TO ENVIRONMENTAL MANAGEMENT

September – December 2014

Department of Geography, University of Victoria, Victoria, BC, Canada

- Facilitated weekly group discussions on environmental management
- Graded papers, mid-terms, and final exams

SPECIALIST INSTRUCTOR/ GEOG314- GLOBAL ENVIRONMENTAL CHANGE & THE HUMAN RESPONSE

September – December 2014

Department of Geography, University of Victoria, Victoria, BC, Canada

- Graded papers, mid-terms, and final exams
- Developed and presented lectures on marine protected areas and climate change

MARINE BIOLOGIST & SCUBA INSTRUCTOR/ BROADREACH

May 2014 – August 2014

Lesser Antilles, Caribbean

- Co-lead 'Caribbean Marine Biology' programs for youth (age 14 to 18)
- Taught marine science and PADI scuba diving courses (Open Water Diver, Advanced Open Water, and Rescue Diver)
- Maintained safety standards and protocols on all diving expeditions

CHIEF SCIENTIST & SCUBA INSTRUCTOR/ GREENFORCE FIJI (GAPFORCE)

January – June 2013

Kubulau District, Vanua Levu, Fiji

- Developed and delivered Marine Science program
- Trained international volunteers to conduct coral reef assessments
- Led a catch-per-unit survey program with fishers from the Kubulau district in collaboration with the University of South Pacific and the Wildlife Conservation Society
- Taught various PADI scuba diving courses (Open Water to Divemaster)

PROJECT COORDINATOR & FACILITATOR (PART-TIME FREELANCER)/ CKG TRAINING AND CONSULTING

January 2007— January 2013

Kirkland, QC, Canada

- Developed and facilitated a variety of workshops (e.g., cultural diversity, gender equality, leadership development, and team-building) for corporate and government institutes

AWARDS & SCHOLARSHIPS

2017

First place prize in 'Research Reels' competition at University of Victoria (UVic) Ideafest

Dr. David and Dorothy Lam
Scholarship in Geography (\$500)

2015

Natural Sciences and Engineering
Research Council of Canada (NSERC)
Master's Scholarship (\$17,500)

Fonds de Recherche du Québec –
Nature et Technologies (FRQNT)
Master's Scholarship (\$20,000)

Robin Rigby Trust, Saint Mary's
University (\$11,250)

Centre for Asia-Pacific Initiatives
Student Fellowship, UVic (\$2,500)

Ajaib Singh Sangha Memorial
Scholarship (\$2,550)

Graduate Award, UVic (\$2,000)

Dr. David and Dorothy Lam
Scholarship in Geography (\$500)

2014

Graduate Award, UVic (\$1,000)

Student Fellowship, UVic (\$10,000)

Ajaib Singh Sangha Memorial
Scholarship (\$1,250)

2009

Universitas 21 (U21) Travel Award
(\$1,500)

FIELD ASSISTANT/ BRITISH BROADCASTING CORPORATION (BBC)

August – September 2012

Gault Nature Reserve, Mont Saint-Hilaire, QC, Canada

- Assisted film crews in filming eastern chipmunks for the BBC documentary series, "Hidden Kingdoms"

SCIENCE OFFICER/ CORAL CAY CONSERVATION

January – May 2012

Southern Leyte, Philippines

- Taught a Science Skills Development Program to international volunteers and in-county scholars
- Led coral reef surveys and community outreach projects

GUEST EXPERIENCE ASSISTANT/ SEA LIFE LONDON AQUARIUM

May – December 2011

London, England

- Held public presentations on natural history and marine conservation

TEACHER & FACILITATOR/ COMUNICATUS LANGUAGE SERVICES

January 2008 – April 2011

Dorval, QC, Canada

- Taught Aviation English course to international pilots
- Co-developed curriculum for Aviation English course

WILDLIFE & WHALE WATCHING GUIDE/ SEA LIFE ADVENTURES

May – October 2010

Easdale Island, Scotland

- Gave educational talks on natural history and marine conservation of Scottish wildlife during 2-5 hour charter tours
- Photographed and documented cetaceans for population surveys

TEACHING ASSISTANT/ CPL2 534- TRANSCULTURAL LEADERSHIP

January – June 2008

Continuing Education, McGill University, QC, Canada

- Facilitated group discussions on topics on cross-cultural leadership and international business relations
- Graded assignments, essays, mid-terms, and final exams

NATURALIST & CAMP COUNSELOR/ ECOMUSEUM ZOO

(May – August 2007) & (May – August 2008)

St. Anne-de-Bellevue, QC, Canada

- Led nature camp for children age 6 to 13
- Organized camp schedule, activities, budget, and staff training
- Educated children on animals and plants in St. Laurence Valley

COMMITTEES

CUPE 4163 Component 1 Steward for Geography at the University of Victoria (April 2016 - June 2018)

Organizer for 2016 Pacific Ecology and Evolution Conference (PEEC) at Bamfield Marine Science Centre (November 2015 - February 2016)

Geography Graduate Representative for Provost's Diversity and Equity Steering Committee at the University of Victoria (May - June 2015)

ADDITIONAL SKILLS & CERTIFICATIONS

Highly proficient in ArcGIS, Marxan, Marxan with Zones, Microsoft Office, and Word Processor

Reef Check EcoDiver Instructor

Professional Development Workshop Certification on learning and teaching in higher education (University of Victoria)

PADI Open Water Scuba Instructor and Specialty Instructor in Enriched Air Nitrox, Deep, Wreck, Emergency Oxygen Provider, and Digital Underwater Photography

Emergency First Response Certification and Instructor (CPR/AED/ First Aid - Infant/Child/Adult)

Wilderness First Aid certification

Transport Canada Pleasure Craft Operator (Boat license)

Quebec Driver's License

Double black dan in Jujitsu and Taekwando

NORTH RIVER- FRESHWATER FISH OBSERVATION NETWORK GROUP LEADER & COORDINATOR/ BIOSPHERE, ENVIRONMENT CANADA

February – May 2006

Ile St. Helene, QC, Canada

- Accompanied high school students in the North River - Freshwater Fish Observation Network
- Supervised data collection of freshwater fish (identification, measurements, and observations on external anomalies and parasites)
- Organized field excursions and managed datasets

INTERNSHIP & VOLUNTEER EXPERIENCE

PADI OPEN WATER INSTRUCTOR INTERNSHIP/ FOUR SEASONS RESORT

June – September 2011

Landaa Giraavaru, Maldives

- Taught PADI courses (Open Water Diver to Rescue Diver; and 5 specialties: Deep, Wreck, Enriched Air, Emergency Oxygen Provider, and Digital Underwater Photography)

RESEARCH DIVER INTERNSHIP/ CORE SEA- CENTER OF OCEANIC RESEARCH AND EDUCATION

April – May 2011

Koh Phangan, Thailand

- Assisted graduate students from the University of Bremen in various underwater surveys (e.g., sediment sampling, coral surveys, fish surveys, rugosity measurements, and nutrient sampling)

PADI DIVEMASTER INTERNSHIP/ BUDDHA VIEW

March – June 2011

Koh Tao, Thailand

- Assisted instructors in PADI courses (Open Water to Rescue Diver)
- Briefed and guided certified divers

INSECT ECOLOGY LABORATORY INTERN/ MCGILL UNIVERSITY

January – February 2006

St. Anne-de-Bellevue, QC, Canada

- Collected and identified arachnids for a biodiversity study

RESEARCH ASSISTANT/ ANAI SEA TURTLE CONSERVATION PROJECT

May – June 2005

Limon, Costa Rica

- Patrolled beaches for nesting sea turtles
- Assisted biologists in field preparation and data collection