

Danielle Mustang

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- Internationally experienced professional with academic training in Socio-cultural Anthropology and practical experience in Natural Resource Management, Ecosystem Restoration, and Agriculture.
- Skilled in working with a diverse range of stakeholders, including farmers; resource management consultants; scientists; government organizations; and fellow academics.
- Proficient in writing funding proposals, technical reports, budgets, and in delivering workshops and presentations.
- Teaching experience in various universities for multidisciplinary topics, including Introduction to Soils and Crops; Principles of Agronomy; Indigenous People, Globalization, and the Environment; Concepts of Society and Culture.

EDUCATION

Doctor of Philosophy in Socio-cultural Anthropology

Anticipate completion in 2XXX

The University of Western Ontario (Western), London, Canada

- Specialization: Resettlement, Egypt, Mubarak Resettlement Scheme, Public Policy, Land Rights, Gender, Desert Farming, Egyptian Revolution of January 25, State Planning, Informal Strategies

Master of Natural Resources Management (MNRM)

2XXX

University of Manitoba (U of M), Winnipeg, Canada

- Specialization: Biodiversity Conservation, Social and Ecological Aspects of Natural Resource Management, Gender, Transformative Learning, Farmer Field Schools, Drylands, Taita Hills, Kenya, Policy Recommendations

Ecosystem Restoration (Post-graduate Certificate)

2XXX

Niagara College (NC), Welland, Canada

- Specialization: Applied Geomatics, River Corridor Restoration, Fauna and Flora I.D., Electro-fishing

Bachelor of Science in Agriculture

2XXX

Diploma of Ingenieur Agricole

2XXX

American University of Beirut (AUB), Beirut, Lebanon

- Specialization: Soil Fertility, Integrated Crop Protection and Production, Ecosystem Management, Agricultural Extension

Lebanese Baccalaureate (Scientific)

2XXX

International School of Al Koura, Al Koura, Lebanon

NATURAL RESOURCES RESEARCH AND MANAGEMENT

Women and Access to Land in Egypt's New Lands

2XXX -Present

Doctoral Dissertation, Western University, London, Canada

- Managed \$50,000 project budget (\$28,000 of which are based on additional fundraising efforts and awards), allocating funds efficiently to support about a twelve-month field season for conducting research on women's status as landholders in the massive Mubarak Resettlement Scheme (MRS) of desert lands in Egypt.
- Allocated funds to ensure adequate mobility, resulting in gaining research permits and building relationships with government agencies in Cairo as well as in Upper and Lower Egypt and the World Food Program.

- Lived in six villages, in Upper and Lower Egypt settlements of Sa'yda and Intilaq, to conduct research, with six research assistants. I collected life and case histories for 54 women landholders; conducted interviews and focus groups with government and development agency officials and other local men and women; to understand the field forces that enable and impede women's ability to individually access land, retain or manage this land, and benefit from the land (socially or economically).

Learning through Farmer Field Schools: The Case Study of the Taita Hills, Kenya

2XXX -2XXX

MNRM Thesis, U of M, Winnipeg, Canada

- Managed \$6,500 project budget, from supervisor's Social Sciences and Humanities Research Council grant, allocating funds to examine, over a four-month period, transformative learning in Farmer Field Schools (FFS), leading to sustainable farming practices and gender equality.
- Allocated funds to hire research assistants for language translations and knowledge of roads and agricultural practices.
- Conducted interviews and focus groups in 22 villages, incorporating resource flow maps and farm visits; to understand gendered learning outcomes, and their potential in leading to lasting change amongst adult learners and their communities.
- Conducted interviews in Kenya Agriculture Research Institute and Food and Agriculture Organization (FAO) in Nairobi as well as the Coast Development Authority parastatal in Mombasa.

GIS Projects

Winter 2XXX

Advanced GIS Graduate Course, U of M

- Analyzed aerial photos of proposed Dam site on Wuskwatim Lake in Manitoba to locate and develop a map outlining the locations of extractable timber.

Water Resource Management Projects

2XXX -2XXX

Ecosystem Restoration Program, NC

- Prepared a Four Mile Creek site-specific field report and restoration plan, in the Niagara Region, Ontario.
- Completed stream morphology surveys for two creeks in the Niagara Region, Ontario.
- Co-Project Manager for Greenhouse hydrology, chemistry, and treatment for Ecological Engineering project; developed and organized a plan for turning two lagoons into waste management ponds.

Agricultural Projects

2XXX -2XXX

Agricultural Engineering Program, AUB

- Crop protection and production projects: (1) 'Weeds of North Lebanon', collection of 28 broad, narrow-leaved, and parasitic weeds; (2) disease identification with pathogen isolation for 25 samples of stone and pome fruit trees as well as solanaceous crops; and (3) an insect collection of 48 insect specimens (beneficial and pest) describing growth stages, damage on crops if any, in addition to providing recommendations for specific control or conservation.
- Research assistant for a Master thesis on Olive Irrigation in the Bekaa Valley, Lebanon; collected data on moisture content using the time domain refractometer.
- Prepared and presented a tutorial on "Depleted Uranium and its Effect on the Environment", supervised by Dr. IB, Department of Soil Sciences, AUB.

RELATIONSHIP DEVELOPMENT AND STAKEHOLDER INTERACTIONS

Over the course of my academic career I have initiated and/or developed relationships with the following constituent groups:

GOVERNMENT

Egypt

December 2XXX /March 2XXX

Land Reclamation Sector, Cairo's head office & its subdivisions in Upper and Lower Egypt

- Will deliver a series of policy recommendations workshops in Cairo as well as in Sa'yda and Intilaq settlements, under the auspices of IDRC, for providing input into the current policy reforms in Egypt; particularly by adopting win-win arguments for enhancing women's participation in the MRS.
- Persuaded the Local Rural Development Unit (governmental organization) in Upper Egypt to provide 12 women landholders with micro-credit.

Canada

Fall 2XXX

City of London, London, Ontario

- Delivered a presentation to the Coves Implementation Committee in the City of London entitled "Perceptions of and Activities in the Coves: A Natural Haven in Urban Ontario", an ethnographic account of the use and understandings of what the Coves (urban forest) mean to its home and shop owners as well as users.

Kenya

Summer 2XXX /September 2XXX

Taita Hills, Nairobi and Mombasa

- Conducted interviews and collected reports from the Ministry of Agriculture, the Coast Development Authority, and the Kenya Agriculture Research Institute.
- Provided the Coast Development Authority with policy recommendations (written form) for its FFS program in the Taita Hills, Kenya.

DEVELOPMENT AGENCIES

World Food Program in Egypt

2XXX -2XXX /December 2XXX

Cairo and Upper Egypt

- Conducted interviews and focus groups with WFP officials in Cairo and personnel on the Ground in Upper Egypt.
- Will Invite the WFP to the policy recommendations workshops based on a year-long ethnographic study.

Food and Agriculture Organization

September 2XXX / December 2XXX

Egypt and Kenya

- Provided the FAO with policy recommendations (written form) for executing the FFS program in the Taita Hills, Kenya.
- Will invite the FAO of Egypt to the policy recommendations workshops held in Cairo.

Boreal Forest Network

Winter 2XXX

Winnipeg, Manitoba, Canada

- Completed a four-month internship at the Boreal Forest Network in Winnipeg, researching participatory strategies for grassroots' empowerment, and delivered a research report to key stakeholders.

ACADEMIC & INDUSTRY PROFESSIONALS

Research Assistant

Summer 2XXX

Institute for Migration Studies, Lebanese American University (LAU), Beirut, Lebanon

- Collecting data from Lebanese associations (village, religious, and political) and political leaders (e.g. MPPs and Mayors) in the region of Southwestern Ontario (London, Windsor, and Leamington). I conduct interviews and focus groups with selected Lebanese organizations and leaders for understanding their roles and relations with their home country. The project, entitled "Home Politics Abroad", is funded by IDRC and ultimately aims to explore how and whether the Lebanese diaspora to Australia, Canada, and the U.S. contributes to peace building or alternatively to fueling conflict in Lebanon.

Research Associate

2XXX -Present

Social Research Center (SRC), American University in Cairo (AUC), Cairo, Egypt

- A thorough literature review of SRC's wealth of documents on the human conditions in the New Lands revealed that women's status in the New Lands is not tackled in a systemic way; my study about women's status in the New Lands will supplement SRC's database.

Research Associate

2XXX -Present

MRS Research and Training Unit, Noubariya, Egypt

- Providing gender-related/sensitive recommendations to their agricultural training program for settlers involved in the MRS.

Research Assistant

Fall 2XXX

Shay Labs for Ethnoecology, U of M

- Summarizing research papers into spreadsheets, using proxy indicators for climate change in the prairies (such as pollen, charcoal, and lake sediment).

Research Assistant

2XXX -2XXX

Histology Lab, Department of Plant Sciences, AUB

- Preparing microscopic slides and culture media for teaching material about pathology.

Ford Foundation

March 2XXX and November 2XXX

Ford Foundation, Middle East Research Competition Program, Tunis, Tunisia

- Prepared an Interim and Major Findings Reports on "Women and Access to Land in Egypt's New Lands".

International Development Research Center

2XXX /2XXX -Present

IDRC, Ottawa, and Cairo

- Invited for presenting at IDRC's brownbag series of 2012 in Ottawa.
- Sought academic support and field advice on an ongoing basis from IDRC in Cairo and Ottawa.

Western's Society of Graduate Students (SOGS)

2XXX -Present

Western University, London, Ontario, Canada

- Co-organized The Western Research Forum (WRF) of 2010. WRF is an annual interdisciplinary conference organized by SOGS.
 - Recruited Professors from the Anthropology Department to participate in judging students' presentations; organized presentations abstracts for the Forum into groups; and during the Forum, made sure presenters stayed within the presentations and questions' time limits.
- Department of Anthropology Councilor, SOGS.
 - Represented and voted on behalf of the Department during the Society's monthly meetings.
- Member, SOGS Women's Issues Committee.

TOTEM Academic Journal

2XXX -2XXX

Department of Anthropology, Western, London, Canada

- Co-editor for TOTEM, *The University of Western Ontario's Anthropology Journal*. My responsibilities included editing submissions; making sure the style conforms to the guidelines; and making decisions for rejection or acceptance with minor or major modifications of documents.

NON-GOVERNMENTAL ORGANIZATIONS

St Norbert Arts Center (SNAC)

Fall 2XXX

St. Norbert, Manitoba, Canada

- Co-presented an environmental education plan (concerning environmental monitoring of the LaSalle River) to the SNAC board of directors for High School students' involvement with the SNAC community.

Friends of the Fort Erie Creeks (FOFEC)

Summer 2XXX

Niagara Region, Ontario, Canada

- Ecosystem Restoration Specialist/Assistant Supervisor at FOFEC, where I
 - Completed regular water and soil tests;
 - Contacted landowners for spreading environmental awareness through brochure distributions (which I co-prepared) and educational conversations;

- Attended and participated in the FOFEC board of directors monthly meetings;
- Surveyed streams to test their conformity to the Rosgen Stream Classification system; and
- Prepared the Summer Works of 2004 Report for the Black Water Creek Headwaters Project.

LOCAL PEOPLE

Egypt

2XXX -2XXX / December 2XXX

Upper and Lower Egypt Desert Settlements of Sa'yda and Intilaq

- Facilitated workshops for training women landholders about their roles and responsibilities as members in the local agricultural cooperatives.
- Completed a year-long residency in Cairo and two desert settlements in Upper and Lower Egypt, conducting field work, together with observing the Revolution's impacts, in each of the chosen 6 villages with women (of differing economic and social status, different generations, diverse ethnicities, various educational backgrounds, and with various land tenure types); other men and women in the local villages; as well as government and development agencies officials.
- Will return photos and research findings by holding focus groups in the communities of Sa'yda and Intilaq.

Canada

Fall 2XXX

Coves Environmental Significant Area, London, Ontario

- Conducted a three-month field study with users (runners, dog walkers, as well as shop and home owners) of the Coves area regarding their perceptions and uses of this space.

Kenya

Winter 2XXX /Summer 2XXX

Taita Hills (a biodiversity hotspot), Taita Taveta District

- Returned research findings as a newsletter in Kiswahili with people's photographs to the research participants of the Taita Hills in Kenya.
- Conducted field work in 22 villages of the Taita Hills looking for as diverse FFS experiences as possible (at various learning stages, covering different learning programs, with differing gender mixes, and in varying agricultural systems).

COMMUNITY INVOLVEMENT

Volunteer

April 2XXX -Present

Arab Society of London, London, ON

- Participate in various activities during fund raising events to sustain the society.

Volunteer

January 2XXX -Present

Stand By Me Program, London, ON

- Supporting students in elementary school who are having difficulty making friends and adjusting to changes in their lives by spending time with them on a weekly basis.

Member

Sept 2XXX -August 2XXX

EnviroWestern Club, Western

- Participated in extensive labour required for maintaining a vegetable garden during the summer of 2010.

Volunteer

Sept 2XXX -April 2XXX

STAND Tutoring, London, ON

- Taught multiple subjects for children whose parents are immigrants, on a weekly basis in a public library.

President

September 2XXX -June 2XXX

Student Council, International School of Al Koura, North Lebanon, Lebanon

- Demonstrated leadership by coordinating activities related to the folk dance festival and students' involvement in the assembling of the Year Book of 2XXX.

SUCCESSFUL FUNDRAISING EFFORTS

I have succeeded in securing funds from multiple organizations (academic and development agencies) with a grand total of **\$134,055**. Funding for the following awards were based on: (1) written research proposals and budgets and (2) academic performance.

WRITTEN RESEARCH PROPOSAL AND BUDGET

An IDRC Doctoral Research Award (May 2XXX)	\$12,980
<i>The International Development Research Center (IDRC), Ottawa, Canada</i>	
<ul style="list-style-type: none"> • Awarded to the “best and brightest researchers” conducting applied research in the Global South that promotes good governance and builds strong policies. The award is based on sound contributions to the practical and academic field of International Development. 	
A Middle East Research Competition (July 2XXX)	\$7,300
<i>The Ford Foundation, administered by the Centre d'etudes et de Recherches Sociales et Economiques (CERES), Tunis, Tunisia</i>	
<ul style="list-style-type: none"> • Competitive award concerning public life in the Arab World. The award is given to researchers from the Global South with “exceptionally strong dissertation proposals in social sciences”, which include public policy implications and plans for dissemination of research results. 	
An Africa Institute Student Mobility Fund (May 2XXX)	\$1,000
<i>The Africa Institute, Western, London, Canada</i>	
A Conference Travel Award (May 2XXX)	\$100
<i>Society of Graduate Students, Western, London, Canada</i>	
A Conference Travel Award (April 2XXX)	\$250
<i>Department of Anthropology, Western, London, Canada</i>	
A Regna Darnell Award (June 2XXX)	\$800
<i>Department of Anthropology, Western, London, Canada</i>	
Western Research Thesis Awards (January 2XXX /2XXX /2XXX)	\$2,250
<i>Faculty of Social Sciences, Western, London, Canada</i>	
A Regna Darnell Award (June 2XXX)	\$700
<i>Department of Anthropology, Western, London, Canada</i>	
A bursary for attending “Effective Networking” workshop (January 2XXX)	\$250
<i>Mathematics of Information Technology and Complex Systems, a Canadian Research Network</i>	
A Research Grant (July 2XXX)	\$500
<i>Department of Anthropology, Western, London, Canada</i>	
A Conference Travel Award (August 2XXX)	\$300
<i>Society of Graduate Students, Western, London, Canada</i>	
A Conference Travel Grant (June 2XXX)	\$125
<i>Canadian Association for the Study of International Development (CASID)</i>	

ACADEMIC PERFORMANCE

Western Graduate Research Scholarship (2XXX -2XXX) <i>School of Graduate and Postdoctoral Studies, Western, London, Canada</i>	\$22,000/year, over 4 years
Social Sciences and Humanities Research Council (SSHRC) Funded Project (2XXX -2XXX) <i>Prof. John Sinclair, Natural Resources Institute, U of M</i> <ul style="list-style-type: none">• Research study conducted in rural Kenya around participatory and social learning for environmental sustainability.	\$15,000
A Graduate Alumni Scholarship (December 2XXX) <i>Faculty of Social Sciences, Western, London, Canada</i>	\$2,000
A Faculty of Social Science Dean's Scholarship (September 2XXX) <i>Faculty of Social Sciences, Western, London, Canada</i>	\$2,500

ORAL PRESENTATIONS AND PUBLICATIONS

Thesis (Non-Refereed)

Mustang, D. (2XXX). Learning through Farmer Field Schools: A Case Study of the Taita Hills, Kenya. Master of Natural Resources Management thesis, Natural Resources Institute, University of Manitoba.
http://mspace.lib.umanitoba.ca/bitstream/1993/3092/1/Mustang_thesis.pdf.

Conference and Scholarly Presentations

Mustang, D. (2XXX). Factors Affecting Women's Access to Land in Egypt's Mubarak Resettlement Scheme and Land Reclamation Projects Incurred by the Revolution of January 25th. Paper presented at the Annual Meeting of the Canadian Association for the Study of International Development, Waterloo, May 28.

Mustang, D. (2XXX). Dealing with the Unexpected: Revolution amidst Fieldwork on Women and Land Rights in Egypt's New Lands. Paper presented at Knotty Encounters: An Interdisciplinary Graduate Conference, Toronto, Ontario, March 3.

Mustang, D. (2XXX). Modern Fieldwork in Socio-cultural Anthropology: The Case of Researching Women and Land Access in Egypt's New Lands. Invited guest speaker presentation for Concepts of Society and Culture Course at Western, London, Ontario, March 22.

Mustang, D. (2XXX). Farming Desert Land: Social and Environmental Sustainability in Egypt's Mubarak Resettlement Scheme. Paper presented at the 7th Earth Day Colloquium, London, Ontario, April 23.

Mustang, D. (2XXX). Anthropology and Development. Invited guest speaker presentation for Introduction to Socio-cultural Anthropology Course at Western, London, Ontario, April 15.

Mustang, D. (2XXX). "New Land, New Life": Women and Land Title in Egypt's Desert Settlement, West Lake Nasser Area. Paper Presented at the 2010 Engage Conference, Guelph, March 5.

Mustang, D. (2XXX). Challenges and Strategies for Implementing the "New Land, New Life" Resettlement Scheme in Egypt, west to Lake Nasser, as Perceived by Farmers, Development Agencies and the Egyptian Government. Paper presented at the Western Research Forum 2010, London, Ontario, February 27.

Mustang, D. (2XXX). Reproducing and Challenging Women's Role in Decision-making: The Case of Learning through the Farmer Field Schools of the Taita Hills, Kenya. Paper presented at the Annual Meeting of the Canadian Association for the Study of International Development, Ottawa, May 28.

Mustang, D. (2XXX). Transformative Learning through Farmer Field Schools: A Case Study of the Taita Hills, Kenya. Paper presented at the 58th Annual Meeting of the Canadian Association of Geographers, Ottawa, May 27.

Levy, J., **Mustang, D.**, and Spinney, J. (2XXX). Perceptions of and Activities in the Coves: A Natural Haven in Urban London, Ontario. Paper presented at the 6th Earth Day Colloquium Series, London, Ontario, April 17.

Mustang, D. (2XXX). Learning through Farmer Field Schools: A Case Study from the Taita Hills, Kenya. Paper presented at the 56th Annual Meeting of the Canadian Association of Geographers, Saskatchewan, May 30.

Book Reviews

Mustang, D. (2XXX). Review of Global Institutions: Global Food and Agricultural Institutions. *Canadian Journal of Development Studies* 31(1-2): 513-515.

Refereed Papers

Mustang, D., Spaling, H., and Sinclair, A.J. (2XXX). Learning about sustainability and gender through Farmer Field Schools in the Taita Hills, Kenya. (resubmitted with requested revisions in April 2012 to the *International Journal of Educational Development*).

TEACHING EXPERIENCE

Teaching Assistant

2XXX -Present

PhD in Socio-cultural Anthropology, Western

- For various courses, including Introduction to Socio-cultural Anthropology; Cultures of the Pacific; Indigenous Peoples, Globalization, and the Environment; and Concepts of Society and Culture.
- Mark assignments, essays, and exams; facilitate group discussions; as well as attend to students' learning and writing needs during specified and arranged office hours.

Instructor

2XXX -2XXX

Department of Soil Sciences, U of M

- For Introduction to Crops and Soils laboratory component, three hours per week.
- Integrated social sciences perspective in discussions about farming for a richer learning environment.

Teaching Assistant

2XXX -2XXX

Department of Plant Sciences, AUB

- Acted as a liaison between Dr. SY and the 2001 and 2002 classes of Agronomy.

LANGUAGES

- **Arabic** - native level of competence
 - **Egyptian, Lebanese, and Syrian dialects** - native level of competence
 - **Saudi dialect** - advanced level of competence
- **English** - advanced level of competence
- **French** - intermediate level of competence
- **Kiswahili** - intermediate level of competence

OTHER RELEVANT SKILLS

- Qualitative, Quantitative and Spatial Software such as QSR Nvivo (Proficient), Visual Basics, Excel, PowerPoint, ESRI's ArcView and Arc Map (Proficient), SPSS, and remote sensing software (IDRISSI and MULTISPEC).
- Experienced in surveying methods; utilizing GPS, transit and stadia method, and pace and compass method.
- Field sampling (fauna, flora, soil, and water) and associated lab and data analysis skills.
- Gender and social analysis skills and participatory rural appraisal skills.
- Environmental auditing skills, e.g. familiar with LEED_EB Green Building Rating System.

MEMBERSHIPS

- Association for International Agricultural and Extension Education **2XXX -2XXX**
- Canadian Association for the Study of International Development **2XXX -Present**
- Environment and Resources Study Group, Canadian Women and Geography Study Group, Canadian Association of Geographers **2XXX -2XXX**