

CURRICULUM VITAE

JESSICA COCKBURN

PERSONAL INFORMATION

Date of Birth: 12 June 1984

Gender: Female

Nationality: South African

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EDUCATION

- 2011-2013: MSc in Zoology (Plant Protection): North-West University (South Africa), With Distinction
- 2007: BSc Honours in Entomology: Rhodes University (South Africa), With Distinction
- 2004-2006: BSc in Entomology & Botany: Rhodes University (South Africa), With Distinction
- 2002: Matriculation: Independent Examination Board: Hermannsburg School (South Africa), A-aggregate (With Distinction)

ACADEMIC AWARDS

NORTH-WEST UNIVERSITY 2013:

- Best MSc student in Zoology 2013

RHODES UNIVERSITY 2007:

- Academic Honours Award
- The Ewer Prize for Zoology
- Entomological Society of Southern Africa Award for Best Honours Student in Entomology 2007

RHODES UNIVERSITY 2004-2006:

- Academic Honours Award
- Dean's List for Academic Merit: 2004, 2005, 2006
- Lillian Britten Prize for Botany
- The Beth Cumming Memorial Prize for Zoology

ADDITIONAL RELEVANT TRAINING

- September 2016: Presencing Foundation Programme (Presencing Institute, Cape Town)
- May 2016: Transdisciplinary Research Exploratory Training Workshop (Rhodes University)
- February 2015: Transdisciplinarity Summer School (Tsama Hub, Stellenbosch University)
- June 2014: Social-Ecological Systems Scholars' Winter School (South African Programme on Ecosystem Change and Society, Nelson Mandela Metropolitan University, George)
- September 2014: Connecting Community: Facilitating Transformative Change (Democracy Development Programme, Durban)
- March 2013: Asset-based Community Development (Democracy Development Programme, Durban)
- May 2013: ArcGIS 1: Getting Started (ESRI, Cape Town)

CURRENT POSITIONS

2015-2017: PhD Student at Rhodes University: Department of Environmental Science. Thesis title: Exploring environmental stewardship and collaboration in multifunctional landscapes in South Africa through a transdisciplinary enquiry

2016-2017: Research Associate at Living Lands: A not-for-profit organization with a vision of building 'Collaborations working on living landscapes'.

RECENT WORK EXPERIENCE AND SKILLS DEVELOPMENT

2015-2017: TEMPORARY LECTURER AND GRADUATE ASSISTANT

Rhodes University: Department of Environmental Science

- Lecturing 3rd Year Environmental Science Students: Topic: Adaptive Co-Management
- Guest Lecture to 2nd Year Environmental Science Students: Topic: Transdisciplinary Research in Landscapes
- Assisted with undergraduate student assessments by marking essays and assignments.
- Assisted undergraduate students during tutorials, field trips and practical exercises.

2013-2014: RESEARCH COORDINATOR

University of KwaZulu-Natal: Land Use Planning & Management Research Group

- Coordination and facilitation of Durban Research Action Partnership between the university and the local municipality
- Support for social process monitoring, evaluation and research in the partnership
- The partnership focuses on bridging the gap between research and local urban action for sustainable land use planning, biodiversity conservation and climate change adaptation

2013-2014: PROJECT COORDINATOR

WWF-South Africa: Sustainable Sugarcane Project

- Project coordination and support
- Mentoring junior staff on Sugarcane Catchment Stewardship project
- Local stakeholder engagement and relationship management
- Midlands Sustainable Sugarcane Supply Chain Collaboration coordinator
- Lead author on 'Resilient Landscapes Approach' Concept Paper for global WWF-Mondi partnership

FEB-AUG 2013: LOGISTICS OFFICER

Integrated Fire Management Services: Working on Fire, eThekweni Base

- Developed and implemented a data management, mapping and reporting system for controlled burning and invasive alien plant control activities
- Facilitated communication between landowners, neighbours and project managers

2008-2010: TEACHER: ENGLISH AS A FOREIGN LANGUAGE

English Programme in Korea: Sungshin Girls Middle School, Sangju, South Korea

- Promoted active, engaged learning of English as a Foreign Language
- Employed diverse teaching methods to maintain students' interest
- Participated in Teacher Training workshops

JAN-AUG 2008: RESEARCH ASSISTANT

University of KwaZulu-Natal: Inland Invertebrate Initiative

- Gained skills in project management and team work
- Managed field trips & laboratory activities including specimen collection, processing, storing, dispatching
- Enhanced teaching and facilitation skills by working in the environmental education branch of the project with school children

JAN-AUG 2008: TEMPORARY LECTURER: ENTOMOLOGY

University of KwaZulu-Natal: School of Conservation & Biological Sciences

- Interacted with and instructed undergraduate students through lectures, tutorials and practical lessons
- Assessed students through essays, practical exercises and examinations

PEER-REVIEWED PUBLICATIONS

Cockburn J.J., Coetzee, H.C., Van den Berg, J. & Conlong, D.E. 2014. Large-scale sugarcane farmers' knowledge and perceptions of *Eldana saccharina* Walker (Lepidoptera: Pyralidae), push-pull and integrated pest management. *Crop Protection* 56: 1-9.

Cockburn, J.J., Khumalo-Seegelken, B., and Villet, M.H. 2014. IziNambuzane: IsiZulu names for insects. *South African Journal of Science* 110: #2013-0292.

Cockburn J., Coetzee, H., Van den Berg, J., Conlong, D.E. & Witthöft, J. 2014. Exploring the role of sugarcane in small-scale farmers' livelihoods in the Noodsberg area, KwaZulu-Natal, South Africa. *South African Journal of Agricultural Extension* 42: 80-97.

Cockburn, J., M. Rouget, R. Slotow, D. Roberts, R. Boon, E. Douwes, S. O'Donoghue, C. T. Downs, S. Mukherjee, W. Musakwa, O. Mutanga, T. Mwabvu, J. Odindi, A. Odindo, Ş. Procheş, S. Ramdhani, J. Ray-Mukherjee, Sershen, M. C. Schoeman, A. J. Smit, E. Wale, and S. Willows-Munro. 2016. How to build science-action partnerships for local land-use planning and management: lessons from Durban, South Africa. *Ecology and Society* 21(1):28. <http://dx.doi.org/10.5751/ES-08109-210128>

Boon, R., Cockburn, J., Douwes, E., Govender, N., Ground, L., Mclean, C., Roberts, D., Rouget, M. & Slotow, R., 2016, 'Managing a threatened savanna ecosystem (KwaZulu-Natal Sandstone Sourveld) in an urban biodiversity hotspot: Durban, South Africa'. *Bothalia* 46(2), a2112. <http://dx.doi.org/10.4102/abc.v46i2.2112>

Taylor, C., Cockburn, J., Rouget, M., Ray-Mukherjee, J., Mukherjee, S., Slotow, R., Roberts, D., Boon, R., O'Donoghue, S., Douwes, E. 2016. Evaluating the outcomes and processes of a research-action partnership: The need for continuous reflective evaluation. *Bothalia* 46: 46(2), a2154. <http://dx.doi.org/10.4102/abc.v46i2.2154>

OTHER PUBLICATIONS

- Cockburn J., Dubazane, N., Kotze, D. & Lindley, D. 2014. Defining the Resilient Landscapes Approach working Concept Paper, Mondi Wetlands Programme WWF-South Africa, Cape Town.
- Cockburn, J. 2014. Understanding the impacts of global change on urban socio-ecological systems in Durban: The eThekweni Municipality UKZN Joint Research Partnership. *The Leopard's Echo: Kloof Conservancy Bi-Annual Magazine: July - Dec 2014: 3-12.*
- Cockburn, J.J. 2012. Molasses grass: how to make *Eldana* uncomfortable in your cane. *The Link* 21(3):18-19.
- Cockburn, J.J. & Conlong, D.E. 2011. An approach to controlling *Eldana*: Let's 'push-pull' it! *The Link* 20(2):12-13.

SELECTED CONFERENCE PRESENTATIONS:

- Re-imagining stewardship practice in South Africa in the context of complex social-ecological systems: a dialogue between theory and practice. Special Workshop Session hosted at the Symposium of Contemporary Conservation Practice, Howick, November 2016.
- Facilitating stewardship in South Africa: Integrating insights from theory and practice to frame a new agenda. Paper presented at the Symposium of Contemporary Conservation Practice, Howick, November 2016.
- Exploring stewardship in multifunctional landscapes: Bridging the gap between theory and practice. Paper presented at the Arid Zone Ecology Forum, Springbok, October 2015.
- 'Landscape Mobilisers' building platforms for collaboration to improve stewardship: Lessons from South Africa. Paper presented at the Programme on Ecosystem Change and Society Conference, Stellenbosch, November 2015.
- What does it mean to be a place-based social-ecological systems researcher? Reflections on tools, competencies and positionality: Co-hosted a Special Session for Young Scholars. Programme on Ecosystem Change and Society Conference, Stellenbosch, November 2015.
- Stewardship: What does it mean? Paper presented at the Symposium of Contemporary Conservation Practice, Howick, November 2014.
- Evaluating a transdisciplinary research partnership: what matters more – tangible or intangible outcomes? Paper presented at the Symposium of Contemporary Conservation Practice, Howick, November 2014.
- Why Don't They Do It? Using Exploratory Network Analysis to understand adoption of IPM practices. Paper presented at the 18th Congress of the Entomological Society of Southern Africa, Potchefstroom, July 2013.
- A mixed-methods investigation into farmers' knowledge and perceptions of sugarcane insect pests. Poster presented at the 47th Conference of the South African Society for Agricultural Extension, Bloemfontein, July 2013.

COMMUNITY ENGAGEMENT AND LEADERSHIP ACTIVITIES

- 2015-2016: Student Volunteer at the After-Care Enrichment Programme at the Lebone Centre (Grahamstown)
- 2015: Joint coordinator of the "Research in Africa Cross-faculty Seminar Series" for postgraduate students at Rhodes University (Grahamstown)
- 2014: Coordinator of the "Masikhulume Ngemvelo" (Let's Talk about Nature) initiative to develop a Zulu language dictionary of sustainability terms (Durban)
- 2010: Joint Coordinator of the "Let's Build a Jungle Gym" fundraising initiative (Sangju, South Korea)
- 2006-2007: Rhodes University Mountain Club Committee Member (2006) and Chairperson (2007) (Grahamstown)

REFERENCES:

PROFESSOR MATHIEU ROUGET

University of KwaZulu-Natal: Land Use Planning & Management NRF Research Chair

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