

CURRICULUM VITAE

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Fecha de Nacimiento: 22 Marzo 1977

Lugar de Nacimiento: Klagenfurt, Austria

Nacionalidad: Alemana

RFC: SIIL770322

Idiomas: **Alemán** (idioma materno), **Inglés** (idioma principal), **Español** (fluido),
Portugués (fluido), Francés, Italiano, Latin (básico).

Educación Formal

PhD (Ecología) “*Interactions between tree species composition and nutrient relations in tropical and subtropical forest recovery*”, Sept. 2008, **The University of Queensland, Australia;**

Posgrado: International Australian Graduate School in Mathematics IAGSM 2007:
“*Statistical Analysis of Multivariate and Longitudinal Data*” en el
International Centre of Excellence for Education in Mathematics ICE-EM;

Tesis Honours Plant and Soil Science: “*Changes in soil chemical fertility associated with the establishment of forest gardens on degraded grassland soils*”, 2001,
University of Aberdeen, U.K. & Institute of Fundamental Studies, Sri Lanka;

BSc “*Tropical Environmental Science*” – 1^a Clase (entrada directa 2^o año, 1998-2001),
School of Biological Sciences, The University of Aberdeen, U.K.;

Abitur Alemán después de escuelas primaria & secundaria 1983-1996 en Berlín, **Alemania.**

Enseñanza Universitaria

Universidad Nacional Autónoma de México:

Profesor invitado: Taller de estadística y análisis multivariados con R (2009);

Clase de “Recuperación y mantenimiento de funciones ecosistémicas de suelos: Bases ecológicas para el manejo” en la Licenciatura en Ciencias Ambientales (LCA) (2010)

Supervisor: 2 proyectos de estancia de investigación en la LCA (2009).

El Colegio de la Frontera Sur ECOSUR:

Profesor invitado: Sección “Suelos: Características y manejo” en curso intensivo de posgrado en ciencias “Bases Ecológicas para la Agricultura Sustentable” (2010);
 Co-Asesor: 3 proyectos de investigación de Verano Científico (2010).

The University of Queensland, Australia:

Tutor: Cursos de campo y laboratorio, preparación de materiales de enseñanza, correcciones en ecología de comunidades & ecología vegetal, procesos ecosistémicos (2005-08);
 Co-supervisor: 6 proyectos de investigación de estudiantes en ecología vegetal y bioquímica de suelos (2006-08).

Universität Bremen, Alemania:

Presentador: MSc International Studies in Tropical Aquatic Ecology *ISATEC* Seminar “Research expedition planning - Potential problems and opportunities” (2003).

The University of Aberdeen, Reino Unido:

Tutor: Cursos de campo y laboratorio, preparación de materiales de enseñanza, correcciones en ciencias ambientales, ciencia del suelo, botánica y ecología vegetal (2001-03);
 Co-supervisor: 2 proyectos de investigación de estudiantes en ecología vegetal y de suelos (2000).

Premios, Becas y Subvenciones Competitivas

- México:** Programa de Apoyo a Proyectos de Investigación e Innovación Tecnológica UNAM-PAPIIT 2010 “Efectos de la comunidad vegetal en las funciones ecosistémicas del suelo”: Participante; Universidad Nacional Autónoma de México (*UNAM*) Beca Posdoctoral 2009;
- Australia:** Cooperative Research Centre for Rainforest Ecology and Management:
 3 subvenciones consecutivas Research Support Scheme *RSS* (2004-06)
 Queensland Dept. of Premier and Cabinet ‘Growing the Smart State Award’:
 2 subvenciones consecutivas (2004-05);
 UQ School of Integrative Biology Conference Travel Award (2007);
 UQ Faculty of Biological & Chemical Sciences Conference Travel Award (2007);
 University of Queensland (*UQ*) Special Graduate School Scholarship (2007);
 University of Queensland International Postgraduate Research Scholarship (2003-06);
- E.U.A.:** Ecological Society of America *ESA Applied Ecology Section, Long-term Studies Section, y Student Section* Conference Travel Awards (2007);
 Planetary Biology Internship Award *NASA-PBI*, subvencionado por The Woods Hole Research Center *WHRC*, Massachusetts (2003);
- Reino Unido:** Trail Prize for Best Piece of Original Research (2001),
 Class Prize in Tropical Environmental Science (2001)
 de la School of Biological Sciences, The University of Aberdeen;
 Subvenciones de investigación concedidas como coordinador de investigación (2000):
 University of Aberdeen Principal's Small Grants Fund,
 Watt Fund for Ecological Research,
 Carnegie Trust for the Universities of Scotland,
 Royal Geographical Society Expedition Grant,
 Institute of British Geographers with the Institute of Biology,
 Gilchrist Educational Trust,
 Percy Sladen Memorial Fund.

Membresías en Asociaciones

- [International Association for Ecology INTECOL](#);
- [Society for Ecological Restoration SER](#) – International & Australia Chapter;
- [Association of Tropical Biology & Conservation ATBC](#);
- [Ecological Society of America ESA](#) – Capítulo México; y Secciones: Agroecology, Soil Ecology, Traditional Ecological Knowledge;
- [Sociedad Científica Latinoamericana de Agroecología SOCLA](#);
- [New World Agriculture and Ecology Group NWAEG](#);
- [Seed Savers Network](#), Australia.

Publicaciones Científicas

Publicadas (internacionales con arbitraje):

- SIDDIQUE I, Vieira ICG, Schmidt S, Lamb D, de Carvalho CJR, Figueiredo R de O, Blomberg S, Davidson EA (2010) N and P additions negatively affect tree species diversity in tropical forest regrowth trajectories. *Ecology* **91**:2121-2131. <http://dx.doi.org/2110.1890/2109-0636.2121>
- Schmidt S, Lamble R, Fensham RJ, SIDDIQUE I (2010) Effect of woody vegetation clearing on nutrient and carbon relations of semi-arid dystrophic savanna. *Plant and Soil* **331**:79-90. <http://dx.doi.org/10.1007/s11104-009-0233-5>
- SIDDIQUE I, Lamb D, Schmidt S, Engel VL, Parrotta J, Martinelli LA, Ometto JPHB, Nardoto GB (2008) Dominance of legume trees alters nutrient relations in mixed species forest restoration plantings within seven years. *Biogeochemistry* **88**:89–101 <http://dx.doi.org/10.1007/s10533-008-9196-5>
- SIDDIQUE I, Gutjahr C, Seneviratne G, Breckling B, Ranwala SW, Alexander IJ (2007) Changes in soil chemistry associated with the establishment of forest gardens on eroded grassland soils in Sri Lanka. *Biology and Fertility of Soils* **44**:163-170 <http://dx.doi.org/10.1007/s00374-007-0190-1>
- Lamb D, SIDDIQUE I, Erskine PD & Engel VL (2005) **Tropical forest restoration experiences**. In: W Barthlott, S Porembski & KE Linsenmair (eds) Biodiversity: Structure and Function, *Encyclopedia of Life Support Systems (EOLSS)*. Developed under UNESCO auspices, Eolss Publ., Oxford. <http://www.eolss.net>

En revisión (en revistas/bases de datos internacionales con arbitraje):

- Ambrose L & SIDDIQUE I (*en revisión*) A camouflaged dragon (*Tympanocryptis* sp., family Agamidae) sun basking during winter in the semi-arid subtropics of Australia. Annotated photo in: *Ecology Education Network Digital Library* <http://www.ecoed.net>. Ecological Society of America, Washington, DC
- Ambrose L & SIDDIQUE I (*en revisión*) A highly cryptic spider in dry sclerophyll forest in subtropical Australia. Annotated photo in: *Ecology Education Network Digital Library* <http://www.ecoed.net>. Ecological Society of America, Washington, DC
- Ambrose L & SIDDIQUE I (*en revisión*) A yellow-footed rock wallaby at Idalia National Park, with joey in pouch on rocky outcrop in subtropical savanna, Australia. Annotated photo in: *Ecology Education Network Digital Library* <http://www.ecoed.net>. Ecological Society of America, Washington, DC
- Ambrose L & SIDDIQUE I (*en revisión*) A threatened bridled nailtail wallaby belonging to a recently translocated population. Annotated photo in: *Ecology Education Network Digital Library* <http://www.ecoed.net>. Ecological Society of America, Washington, DC

En preparación (en revistas indizadas con arbitraje):

- SIDDIQUE I, Gavito ME, Balvanera P (*in prep.*) Effects of mycorrhizas on functions and services of ecosystems – A review. To be submitted to: *New Phytologist*

SIDDIQUE I, Vieira ICG, de Carvalho CJR, Figueiredo R de O, Davidson EA (*en preparación*) Relative shifts in species woody biomass growth reduce tree species diversity in tropical forest regrowth trajectories. To be submitted to: *Journal of Vegetation Science*

SIDDIQUE I, Lamb D, Dalal RC, Schmidt S (*in prep.*) Detecting complementarity and inhibition in mixed species tree plantings in microcosms and field. To be submitted to: *Journal of Applied Ecology*

Publicadas (sin arbitraje):

SIDDIQUE I, Lamb D, Schmidt S, Davidson EA, Vieira ICG, de Carvalho CJR, Figueiredo R de O, Martinelli LA, Ometto JPHB, Nardoto GB (2005) Is N₂-fixation by woody legumes limited by soil phosphorus supply in secondary vegetation on degraded pastures of Eastern Amazonia? IUFRO World Congress resumen: *International Forestry Review* 7(5):369.

SIDDIQUE I, Seneviratne G, Breckling B, Alexander IJ (2001) Restoration of soil chemical fertility by forest garden establishment. *Pragña - IFS Science Bulletin* XIV(3-4):11-15.

Presentaciones/Pósteres Científicos (selección):

SIDDIQUE I (2010) Interacciones entre la composición de la comunidad vegetal y funciones ecosistémicas del suelo durante la rehabilitación de ecosistemas tropicales en Brasil, Australia y México. Seminario, 12 Feb, *ECOSUR*, San Cristóbal de las Casas, México [en Español].

SIDDIQUE I, Vieira ICG, Schmidt S, Lamb D, de Carvalho CJR, Figueiredo R de O, Blomberg S, Davidson EA (2009) Nitrogen and phosphorus additions negatively affect tree species diversity in tropical forest regrowth trajectories. Póster, Nov, International Meeting on N Deposition – Critical Loads. Escocia [en Inglés].

SIDDIQUE I (2009) Interacciones entre la composición de la comunidad vegetal y funciones ecosistémicas del suelo durante la rehabilitación de ecosistemas tropicales en Brasil, Australia y México. Ponencia extraordinaria, 2 Sep, *Universidad Autónoma de Chapingo*, Texcoco, México [en Español].

SIDDIQUE I (2009) Interacciones entre la composición de la comunidad vegetal y funciones ecosistémicas del suelo durante la rehabilitación de ecosistemas tropicales en Brasil, Australia y México. Seminario UNAM-Morelia, 11 Ago, *CIEco, Universidad Nacional Autónoma de México*, Morelia, México [en Español].

SIDDIQUE I (2009) Plant species composition impacts on nutrient cycles and soil functions in tropical ecosystem rehabilitation. Plant Ecology Advanced Topics Seminar, 9 Feb, *Institute for Biology, Free University of Berlin*, Alemania [en Inglés].

SIDDIQUE I (2009) Plant species composition impacts on nutrient cycles and soil functions in tropical ecosystem rehabilitation. Research Seminar, 6 Feb, *Centre for Development Research ZEF, University of Bonn*, Alemania.

SIDDIQUE I (2009) Plant species composition impacts on nutrient cycles and soil functions in tropical ecosystem rehabilitation. Ecology Research Seminar, 2 Feb, *Center for Environmental Research and Technology UFT, University of Bremen*, Alemania [en Inglés].

SIDDIQUE I, Vieira ICG, Schmidt S, Lamb D, Carvalho CJR, Figueiredo RdO, Blomberg S & Davidson EA (2007) Application of mixed models and multivariate hypothesis testing to long-term tropical tree assemblage data from a BACI experiment. University of Auckland Dept. of Statistics Seminar, 27 Sept. Seminario grabado: <http://www.stat.auckland.ac.nz/2007/seminar/siddique>. Auckland, New Zealand [en Inglés].

SIDDIQUE I (2007) Indigenous-farmer-student-academic networks for participatory action research on successional agroforest ecology. Ponencia, *New World Agriculture & Ecology Group 2007 Meeting*, 11-13 Aug, Santa Cruz/CA, USA [en Inglés].

SIDDIQUE I, Vieira ICG, Schmidt S, Lamb D, Carvalho CJR, Figueiredo RdO, Blomberg S & Davidson EA (2007) Early-successional dynamics of tree species growth in response to nitrogen and phosphorus fertilization in

abandoned pasture in eastern Amazonia. Ponencia, *Ecological Society of America & Society for Ecological Restoration Intl. – Annual Meeting*, 4-11 Aug, San José/CA, USA [en Inglés].

SIDDIQUE I, Lamb D, Schmidt S, Davidson EA, Vieira ICG, Carvalho CJR, Figueiredo RdO, Martinelli LA, Ometto JPHB & Nardoto GB (2005) Soil phosphorus limiting N₂-fixation by woody legumes and thus forest re-growth on degraded pastures of Eastern Amazonia. Ponencia, *Ecological Society of Australia Conference*, 29 Nov - 2 Dec, Brisbane, Australia [en Inglés].

SIDDIQUE I, Lamb D, Schmidt S, Engel VL, Parrotta JA, Martinelli LA, Ometto JPHB & Nardoto GB (2005) Nitrogen use and cycling in mixed tree plantings of contrasting functional composition on degraded land in Southeast Brazil. Ponencia, *'Rainforest Meets Reef' - Rainforest CRC & CRC Reef Conference*, 22-24 Nov, Townsville, Australia [en Inglés].

SIDDIQUE I, Lamb D, Schmidt S, Engel VL, Parrotta JA, Martinelli LA, Ometto JPHB & Nardoto GB (2005) Nutrient use in mixed tree plantings with high versus low abundance of legumes on degraded land in SE Brazil. Ponencia, *'Improving Productivity in Mixed-Species Plantations' - Pre-IUFRO Southern Cross University Workshop*, 5-7 Aug, Ballina, Australia [en Inglés].

SIDDIQUE I (2005) Restoring soil fertility in degraded lands using mixed tree crop plantings. Ponencia abierta, *Institute for Research, Extension & Training in Agriculture IRETA / University of the South Pacific USP*, Alafua, Samoa [en Inglés].

SIDDIQUE I (2002) Soil fertility restoration in degraded soils of the humid tropics: Functional imitation of soil ecological processes in agroforestry successions. Seminario de investigación, *University of Bremen Center for Environmental Research and Technology UFT*, Bremen, Germany [en Alemán].

SIDDIQUE I, Gutjahr C, Seneviratne G, Ranwala SW, Alexander IJ (2000) Recovery of soil fertility in forest gardens established on degraded tea lands. Ponencia especial, *Institute of Fundamental Studies IFS*, Kandy, Sri Lanka [en Inglés].

SIDDIQUE I (1998) Investigación ecológica para el manejo sostenible de bosques y agroecosistemas. Seminario del Círculo de Estudiantes Forestales para la Conservación de los Recursos Naturales, *Universidad Nacional de la Amazonía Peruana UNAP*, Iquitos, Perú [en Español].

Referees for Letters of Recommendation

- (1) Dr. Miguel Martínez Ramos, Centro de Investigaciones en Ecosistemas, Universidad Nacional Autónoma de México, UNAM – Campus Morelia, Antigua carretera a Pátzcuaro 8701, Col. Exhacienda S.José La Huerta, C.P. 58190 Morelia, Michoacán, MEXICO. Tel: +52-55-6232706 mmartine@oikos.unam.mx <http://www.oikos.unam.mx/laboratorios/LECT/index.htm>
- (2) Assoc Prof Susanne Schmidt, The University of Queensland, School of Integrative Biology, Hines Bldg, Brisbane, QLD 4072, AUSTRALIA. Tel: +61-7-336 51050; Fax: +61-7-336 51699. susanne.schmidt@uq.edu.au <http://profiles.bacs.uq.edu.au/Susanne.Schmidt.html>
- (3) Dr Eric A. Davidson, Woods Hole Research Center, 149 Woods Hole Rd, Falmouth, MA 02540-1644, USA. Tel: +1-508-540 9900 x132; Fax: +1-508-540 9700. edavidson@whrc.org http://www.whrc.org/about_us/whos_who/CV/edavidson.htm
- (4) Prof Vera Lex Engel, Universidade Estadual Paulista (UNESP), Faculdade de Ciências Agrônomicas, Depto. de Recursos Naturais, C.P. 237, 18603970 Botucatu, SP, BRAZIL. Tel: +55-14-3811 7168; Fax: +55-14-3811 7117. veralex@fca.unesp.br <http://lattes.cnpq.br/4161151442533491>
- (5) PD Dr Broder Breckling, University of Bremen, Centre for Environmental Research & Technology, UFT, Leobener Str., 28359 Bremen, GERMANY. Tel: +49-421-218 63469; Fax: +49-421-218 7654. broder@uni-bremen.de <http://www.uft.uni-bremen.de/oekologie/staff2.htm>