
INA VANDEBROEK, Ph.D.

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 Institute of Economic Botany
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EMPLOYMENT

2010 – present: **Ethnomedical Research Specialist**, Institute of Economic Botany, The New York Botanical Garden, New York

- Projects directed: *Improving Healthcare for Underserved Immigrant Latino Communities in New York City* (The Aetna Foundation, The Cigna Foundation), *Cultural Competency Training for Health Care Professionals in Latino Ethnomedical Systems in New York City* (The United Hospital Fund); *Dominican Ethnomedicine and Culturally Effective Health Care in New York City* (The Jacob and Valeria Langeloth Foundation) and *Dominican Traditional Medicine for Urban Community Health* (National Institute of Health/NCCAM).
- These projects investigate the traditional knowledge, beliefs and practices related to immigrant health and healthcare, including the use of medicinal plants in several Latino communities (Dominican, Puerto Rican and Mexican) in New York City, as well as the cultural beliefs about specific illnesses (“culture-bound syndromes” or “folk illnesses”) that are recognized by these communities but not as such by mainstream medicine. Research results are applied to develop curricular materials for medical education and to train the next generation of healthcare providers in improving cultural sensitivity during the clinical encounter.

2005 – 2010: **Postdoctoral Research Associate**, Institute of Economic Botany, The New York Botanical Garden, New York

- Projects directed: *Dominican Ethnomedicine and Culturally Effective Health Care in New York City* (The Jacob and Valeria Langeloth Foundation) and *Dominican Traditional Medicine for Urban Community Health* (NIH/NCCAM).
- The Dominican Urban Ethnomedicine Project at the IEB is a multiteam project funded by the National Institutes of Health/National Center for Complementary and Alternative Medicine (NIH/NCCAM) (Grant # R21 AT001889). This project was developed to document the plants used for common health conditions by Dominican immigrants in New York City. One of the main research questions being addressed is: “What happens with medicinal plant knowledge and use when people migrate from the Dominican Republic to New York City and they are faced with new living conditions in a different natural environment?”

2000 – 2002: **Postdoctoral Research Associate**, Ghent University, Belgium

- Lead researcher on a project funded by the Belgian government: *Medicinal Plant Explorations in the Andes and Amazon Regions of Bolivia*
- Ethnographic and ethnobotanical research was conducted in a traditional farming community in the Andes and in indigenous communities in the Amazon in Bolivia. The results demonstrated that knowledge held by traditional healers about medicinal plants can also be high in an environment such as the Andes that is significantly affected by human activity and is less diverse as compared to the tropical rainforest. In

the Amazon, knowledge about medicinal plants was inversely related to the use of pharmaceutical products and to distance from Western primary healthcare services.

1997 – 1998: **Research Associate**, Neuropharmacology Department, UCB Pharma, Belgium

- Neuropharmacology research into animals models of depression and epilepsy

1991 – 1995: **Research Associate**, Medical Faculty, Ghent University, Belgium

- Research on the neuropharmacological background of stereotyped animal behavior induced by captivity in a rodent species as a model for human psychopathology

OTHER APPOINTMENTS

2012: Adjunct Member of the City University of New York Biology Doctoral Faculty Plant Sciences Subprogram

2012: Editorial Board Member, *Ethnobiology and Conservation* (<http://www.ethnobiococonservation.com/index.php/ebc/pages/view/editorialboard>)

2011-2012: Scientific Committee Member, 13th International Congress of the International Society for Ethnopharmacology, Graz, Austria (2-6 September, 2012)

2010: Consultant for the Ministry of the Environment and Natural Resources, Dominican Republic to develop ethnobotanical trails for tourism in the Parque de la Biodiversidad, Monte Plata, Dominican Republic

2010-present: Lecturer, School of Forestry & Environmental Studies, Yale University

2010-2013: Council Member-at-Large, Society for Economic Botany

2010-2013: Secretary and Treasurer, Economic Botany Section, Botanical Society of America

2009-present: Advisory Committee Member for The New York Botanical Garden's 2013 Exhibition on Medicinal Plants

2009-present: Deputy Editor, *Journal of Ethnobiology and Ethnomedicine* (<http://www.ethnobiomed.com/>)

2009: Member of the International Scientific Committee of the 5th International Congress of Ethnobotany (ICEB 2009), "Traditions and transformations in Ethnobotany", San Carlos de Bariloche, Argentina [http://www.iceb2009.com.ar/en/about_us]

2008-present: Research Associate, William L. Brown Center for Plant Genetic Resources, Missouri Botanical Garden

2008-2010: Treasurer, International Society of Ethnobiology

2008-2009: Adjunct Faculty, Center for Environmental Research and Conservation, Columbia University, New York City

2005-2009: Associate Editor, *Journal of Ethnobiology and Ethnomedicine*

2000-2006: Visiting Expert in Bolivia and Cuba for the University Development Cooperation, Belgium

- Undertook a project formulation mission to the Universidad Mayor de San Andrés, La Paz, Bolivia, to develop a proposal related to institutional capacity building in ethnobotany research and training (using Project Cycle Management Methodology)

- Started up a capacity-building and applied ethnobotany research project at the Universidad Central de Las Villas, Santa Clara, Cuba on plants used in traditional agriculture for development of biological herbi- and pesticides
- 1999-2001: Visiting Professor, MSc. Program in Environmental Sciences, Universidad Mayor de San Simón, Cochabamba, Bolivia
- Taught the module *Etnobotánica* (10 course hours) and *Etnobotánica e Etnofarmacología* (30 course hours and practical exercises)
 - Participated as a Dissertation Committee Member

EDUCATION

- 1998: Ph.D. in Medical Sciences, Ghent University, Belgium
- 1996: Qualified Teacher's Degree for Higher Secondary Education in Biology, Ghent University, Belgium
- 1991: BSc. in Biology, Morphology and Systematics, Ghent University, Belgium

CERTIFICATES

- 1998: Certificate of International Training in Systematics of Neotropical Plant Families, Herbarium of Utrecht University, The Netherlands (7-week Program, 240 hours of Theory and Practice)
- Course Objectives: recognition of 100+ plant families of Tropical America, training in species identification, research paper on Bolivian medicinal Asteraceae
- 1997: Doctoral Training Program Certificate, Ghent University, Belgium

PEER-REVIEWED RESEARCH PUBLICATIONS

1. Van Andel, Tinde, Sylvia Mitchell, Gabriele Volpato, **Ina Vandebroek**, Jorik Swier, Sofie Ruyschaert, Carlos Ariel Rentería Jiménez & Niels Raas (2012). In search of the perfect aphrodisiac: Parallel use of bitter tonics in West Africa and the Caribbean. *Journal of Ethnopharmacology* 143: 840-850. Doi: <http://dx.doi.org/10.1016/j.jep.2012.08.008>
2. Henderson, Flor, **Ina Vandebroek**, Michael J. Balick & Edward J. Kennelly (2012) Ethnobotanical research skills for students of underrepresented minorities in STEM disciplines. *Ethnobotany Research & Applications* 10: 389-402. Available at <http://bit.ly/Henderson-Vandebroek-Balick-Kennelly>
3. Mathez-Stiefel, Sarah-Lan, **Ina Vandebroek** & Stephan Rist (2012) Can Andean medicine coexist with biomedical healthcare? A comparison of two rural communities in Peru and Bolivia. *Journal of Ethnobiology and Ethnomedicine* 8: 26, <http://www.ethnobiomed.com/content/pdf/1746-4269-8-26.pdf>
4. **Vandebroek, Ina** & Michael J. Balick (2012) Globalization and loss of plant knowledge: Challenging the paradigm. *PloS ONE* 7: 5, <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0037643>
5. Medeiros, Patricia, Gustavo Soldati, Nelson Alencar, **Ina Vandebroek**, Andrea Pieroni, Natalia Hanazki & Ulysses Paulino De Albuquerque (2012) The Use Of Medicinal Plants By Migrant People: Adaptation, Maintenance And Replacement. *Evidence-Based Complementary and Alternative Medicine* 2012, <http://www.hindawi.com/journals/ecam/2012/807452/>
6. Mathez-Stiefel, Sarah-Lan & **Ina Vandebroek** (2012) Distribution and Transmission of Medicinal Plant Knowledge in the Andean Highlands: A Case Study from Peru and

- Bolivia. *Evidence-Based Complementary and Alternative Medicine* 2012, <http://www.hindawi.com/journals/ecam/2012/959285/>
7. Ceuterick, Melissa, **Ina Vandebroek** & Andrea Pieroni (2011) Resilience of Andean urban ethnobotanies. A comparison of medicinal plant use among Bolivian and Peruvian migrants in the United Kingdom and in their countries of origin. *Journal of Ethnopharmacology* 136: 27-54.
 8. Thomas, Evert, David Douterlungne, **Ina Vandebroek**, Fricke Heens, Paul Goetghebeur & Patrick Van Damme (2011) Human Impact on Wild Firewood Species in the Rural Andes Community of Apillapampa, Bolivia. *Environmental Monitoring and Assessment* 178: 333–347.
 9. **Vandebroek, Ina** (2010) The dual intracultural and intercultural relationship between medicinal plant knowledge and consensus. *Economic Botany* 64: 303-317.
 10. **Vandebroek, Ina**, Michael J. Balick, Andreana Ososki, Fredi Kronenberg, Jolene Yukes, Christine Wade, Francisco Jiménez, Brígido Peguero & Daisy Castillo (2010) The importance of *botellas* and other plant mixtures in Dominican traditional medicine. *Journal of Ethnopharmacology* 128: 20-41.
 11. Thomas, Evert, **Ina Vandebroek** & Patrick Van Damme (2009) Valuation of forests and plant species in Indigenous Territory and National Park Isiboro-Sécure, Bolivia. *Economic Botany* 63: 229-241.
 12. Thomas, Evert, **Ina Vandebroek**, Patrick Van Damme, Lucio Semo & Zacaria Noza (2009) *Susto* etiology and treatment according to Bolivian Trinitario people: a "masters of the animal species" phenomenon. *Medical Anthropology Quarterly* 23: 298-319.
 13. Thomas, Evert, **Ina Vandebroek**, Patrick Van Damme, Paul Goetghebeur, David Douterlungne, Sabino Sanca & Susana Arrazola (2009) The relation between accessibility, diversity and indigenous valuation of vegetation in the Bolivian Andes. *Journal of Arid Environments* 73: 854-861.
 14. Thomas, Evert, **Ina Vandebroek**, Sabino Sanca & Patrick Van Damme (2009) Cultural significance of medicinal plant families and species among Quechua farmers in Apillapampa, Bolivia. *Journal of Ethnopharmacology* 122: 60–67.
 15. Keller, Amy, **Ina Vandebroek**, Youping Liu, Michael J. Balick, Fredi Kronenberg, Edward J. Kennelly & Anne-Marie B. Brillantes (2009). *Costus spicatus* tea failed to improve diabetic progression in C57BLKS/J db/db mice, a model of type 2 diabetes mellitus. *Journal of Ethnopharmacology* 121: 248-254.
 16. Thomas, Evert, **Ina Vandebroek**, Patrick Van Damme, Paul Goetghebeur, Sabino Sanca & Susana Arrazola (2008) The Relationship between Plant Use and Plant Diversity in the Bolivian Andes, with Special Reference to Medicinal Plant Use. *Human Ecology* 36: 861-861-879.
 17. Ceuterick, Melissa, **Ina Vandebroek**, Bren Torry & Andrea Pieroni (2008) Cross-cultural adaptation in urban ethnobotany: The Colombian folk pharmacopoeia in London. *Journal of Ethnopharmacology* 120: 342-359.
 18. **Vandebroek, Ina**, Evert Thomas, Sabino Sanca, Patrick Van Damme, Luc Van Puyvelde & Norbert De Kimpe (2008) Comparison of health conditions treated with traditional and biomedical healthcare in a Quechua community in rural Bolivia. *Journal of Ethnobiology and Ethnomedicine* 4:1 <http://www.ethnobiomed.com/content/pdf/1746-4269-4-1.pdf>
 19. Thomas, Evert, **Ina Vandebroek** & Patrick Van Damme (2007) What works in the field? A comparison of different interviewing methods in ethnobotany with special reference to the use of photographs. *Economic Botany* 61: 376-384.
 20. Bussmann, Rainer W., Douglas Sharon, **Ina Vandebroek**, Ana Jones & Zachary Revene (2007) Health for sale: The medicinal plant markets in Trujillo and Chiclayo, Northern Peru. *Journal of Ethnobiology and Ethnomedicine* 3:37. <http://www.ethnobiomed.com/content/pdf/1746-4269-3-37.pdf>

21. Delanoy, Marleen, Xavier Scheldeman, **Ina Vandebroek**, Patrick Van Damme & Stephan Beck (2007) Small-scale Cultivation of *Passiflora edulis* f. *flavicarpa* and *Passiflora ligularis* in the Yungas of La Paz, Bolivia. *Belgian Journal of Botany* 140: 150-160.
22. **Vandebroek, Ina**, Jan-Bart Calewaert, Stijn De Jonckheere, Sabino Sanca, Lucio Semo, Patrick Van Damme, Luc Van Puyvelde & Norbert De Kimpe (2004) Use of medicinal plants and pharmaceuticals by indigenous communities in the Bolivian Andes and Amazon. *Bulletin of the World Health Organization* 82: 243-250. Leading article in the Research Section. Downloadable at <http://www.who.int/bulletin/volumes/82/4/en/>
23. **Vandebroek, Ina**, Patrick Van Damme, Luc Van Puyvelde, Susana Arrazola & Norbert De Kimpe (2004) A comparison of traditional healers' medicinal plant knowledge in the Bolivian Andes and Amazon. *Social Science & Medicine* 59: 837-849.
24. De Cupere, Françoise, **Ina Vandebroek**, Mayra Puentes, Sinesio Torres & Patrick Van Damme (2001) Evaluation of vegetal extracts as biological herbi- and pesticides for their use in Cuban agriculture. *Mededelingen / Universiteit Gent, Faculteit Landbouwkundige en Toegepaste Biologische Wetenschappen (Currently Communications in Agricultural and Applied Biological Sciences)* 66/2a: 455 – 462.
25. **Vandebroek, Ina**, Katie Bouche, Katharina d'Herde, Jacques Caemaert, Frank Roels & Frank O. Ödberg (1999) A stereotaxic atlas of the forebrain of the bank vole (*Clethrionomys glareolus*). *Brain Research Bulletin* 48 (6): 555-567.
26. **Vandebroek, Ina**, Veerle Berckmoes & Frank O. Ödberg (1998) Dissociation between MK-801- and captivity-induced stereotypies in bank voles. *Psychopharmacology* 137: 205-214.
27. **Vandebroek, Ina** & Frank O. Ödberg (1997) Effect of apomorphine on the conflict-induced jumping stereotypy in bank voles. *Pharmacology Biochemistry and Behavior* 57 (4): 863-868.
28. **Vandebroek, Ina**, Jacques Caemaert & Frank O. Ödberg (1996) A combined stereotaxic adaptor and anaesthesia apparatus for microdialysis studies in small rodents. *Journal of Neuroscience Methods* 68: 81-86.
29. De Ley, Paul & **Ina Vandebroek** (1992) *Stegelletina laticollaris* n.sp., a second new species of the genus from Senegal (Nematoda : Cephalobidae). *Belgian Journal of Zoology* 122: 139-146.

EDITORIALS

1. **Vandebroek, Ina**, Victoria Reyes-García, Ulysses Paulino de Albuquerque, Rainer Bussmann & Andrea Pieroni (2011) Local knowledge: Who cares? *Journal of Ethnobiology and Ethnomedicine* 7: 35 <http://www.ethnobiomed.com/content/pdf/1746-4269-7-35.pdf>
2. Pieroni, Andrea, Lisa Leimar Price & **Ina Vandebroek** (2005) Welcome to Journal of Ethnobiology and Ethnomedicine (Editorial). *Journal of Ethnobiology and Ethnomedicine* 1:1. <http://www.ethnobiomed.com/content/pdf/1746-4269-1-1.pdf>

BOOKS

1. Pieroni, Andrea & **Ina Vandebroek** (2007) *Traveling Cultures and Plants. The Ethnobiology and Ethnopharmacy of Human Migrations*. Volume 7. Studies in Environmental Anthropology and Ethnobiology. New York: Berghahn Books.
2. Thomas, Evert & **Ina Vandebroek** (2006) Guía de plantas medicinales de los Yuracaré y Trinitarios del Territorio Indígena Parque Nacional Isiboro-Sécure, Bolivia [*Guide to the medicinal plants from the Yuracaré and Trinitarios of the Indigenous Territory National Park Isiboro-Sécure, Bolivia*]. Imprenta Sirena, Santa Cruz, Bolivia, 522 pp., ISBN 978-90-5989-139-5 [*in Spanish*].
3. **Vandebroek, Ina**, Evert Thomas & Ametrac (2003) Las plantas medicinales para la atención primaria de la salud. El conocimiento de ocho médicos tradicionales de Apillapampa, Bolivia [*Medicinal plants for primary healthcare. The knowledge of eight traditional healers from*

Apillapampa, Bolivia. Industrias Gráficas Serrano, Cochabamba, Bolivia, 317 pp., ISBN 90-5989-009-4 [*in Spanish*].

BOOK CHAPTERS

1. Pieroni, Andrea & **Ina Vandebroek** (2007) Introduction. In: *Traveling Cultures and Plants. The Ethnobiology and Ethnopharmacy of Human Migrations* (Eds. A. Pieroni and I. Vandebroek). Volume 7. Studies in Environmental Anthropology and Ethnobiology. New York: Berghahn Books, pp. 1-13.
2. **Vandebroek, Ina**, Michael J. Balick, Jolene Yukes, Levenia Durán, Fredi Kronenberg, Christine Wade, Andreana Ososki, Linda Cushman, Rafael Lantigua, Miriam Mejía & Lionel Robineau (2007) Use of medicinal plants by Dominican immigrants in New York City for treatment of common health problems – a comparative analysis with literature data from the Dominican Republic. In: *Traveling Cultures and Plants. The Ethnobiology and Ethnopharmacy of Human Migrations* (Eds. A. Pieroni and I. Vandebroek). Volume 7. Studies in Environmental Anthropology and Ethnobiology. New York: Berghahn Books, pp. 39-63.
3. Ceuterick, Melissa, **Ina Vandebroek** & Andrea Pieroni (2007) The use of home-remedies for health-care and well-being by Spanish-speaking Latino immigrants in London: A reflection on acculturation. In: *Traveling Cultures and Plants. The Ethnobiology and Ethnopharmacy of Human Migrations* (Eds. A. Pieroni and I. Vandebroek). Volume 7. Studies in Environmental Anthropology and Ethnobiology. New York: Berghahn Books, pp. 145-165.
4. **Vandebroek, Ina** & Sabino Sanca (2006) Food medicines in the Bolivian Andes (Apillapampa, Cochabamba Department). In: *Eating and Healing: Traditional food as medicine* (Eds. Pieroni, A., and Price, L.). Binghamton, New York: The Haworth Press, pp. 273-295.
5. **Vandebroek, Ina** (2006) *Capsella bursa-pastoris* (L.) Medik. [Internet] Record from Protabase. Schmelzer, G.H. & Gurib-Fakim, A. (Editors). PROTA (Plant Resources of Tropical Africa / Ressources végétales de l'Afrique tropicale), Wageningen, Netherlands. <<http://database.prota.org/search.htm>>.

TEACHING

- 2012: Short Module on Migrants' Diet and Health, Master Program in Food Culture and Communications: Human Ecology and Sustainability, University of Gastronomic Sciences, Pollenzo, Italy
- 2010: Ethnobotany Course, School of Forestry & Environmental Studies, Yale University
- 2008-2009: Ethnobotany Course, Center for Environmental Research and Education (CERC), Columbia University, NYC
- 2007-present: Cultural Competence Training Activities at major medical institutions in New York City (Albert Einstein College of Medicine, Bronx-Lebanon Hospital Center, Montefiori Medical Center)
- 2000-2003: Guest Lecturer, United Nations University Biodiversity Training Course, Ghent University, Belgium
- 1999: Guest Lecturer Economic Botany and Systematics, Faculty of Agriculture and Applied Biological Sciences, Ghent University, Belgium

FELLOWSHIPS, GRANTS & FUNDING (total project funding amount in brackets)

- 2012: Co-Principal Investigator and Project Director on a grant from The Aetna foundation, with Dr. Michael J. Balick (Co-PI) (until 2013): **Latino Ethnomedicine and Integrated Health Care** (US\$25,000)
- 2010: Co-Principal Investigator and Project Director on a grant from The Aetna foundation, with Dr. Michael J. Balick (Co-PI) (until 2011): **Improving Healthcare for Underserved Immigrant Latino Communities in New York City** (US\$25,000)
- 2009: Project Director on a grant from the United Hospital Fund, with Michael J. Balick (PI) (until 2011): **Cultural Competency Training for Health Care Professionals in Latino Ethnomedicine Systems in New York City** (US\$50,000)
- 2008: Lead Researcher on a South Initiatives grant for extension activities in the Bolivian Amazon from the University Development Cooperation, Belgium, with Prof. Dr. Patrick Van Damme (PI) (until 2010): **Improving Community Health Care through Strengthening Traditional Knowledge: A Collaboration between Traditional Healers and Biomedical Physicians in the Tropics of Cochabamba, Bolivia** (€13,890)
- 2007: Project Director on a grant from the Jacob and Valeria Langeloth Foundation, with Dr. Michael J. Balick (PI) (until 2011): **Dominican Ethnomedicine and Culturally Effective Health Care in New York City** (US\$238,422)
- 2005: Lead Researcher on a South Initiatives grant for extension activities in the Bolivian Amazon from the University Development Cooperation, Belgium, with Prof. Dr. Patrick Van Damme (PI) (until 2006): **Vulgarizing Traditional Knowledge about Medicinal Plants that are Used in Local Health Care in Yuracaré-Trinitario Communities in the Bolivian Amazon** (€14,994)
- 2003: Lead Researcher on a South Initiatives grant for extension activities in the Bolivian Andes from the University Development Cooperation, Belgium, with Prof. Dr. Patrick Van Damme (PI) (until 2004): **Vulgarizing Traditional Knowledge about Medicinal Plants that are Used in Local Health Care in a Quechua community in the Bolivian Andes** (€14,999)
- 2000: Grant Writer and Visiting Expert for the Own Initiatives from the University Development Cooperation, Belgium, for capacity-building at the Universidad Central de las Villas, Santa Clara, Cuba, Prof. Dr. Patrick Van Damme (PI) (until 2004): **Towards a Sustainable Cuban Agriculture: Ethnobotany Research as a Basis to Develop Biological Herbicides and Pesticides** (€309,350)
- 2000: Post-doctoral Research Fellowship from the Institute for the Promotion of Innovation through Science and Technology, Belgian Government (until 2002) (€85,776)
- 1991: Doctoral Research Fellowship from the Institute for the Promotion of Innovation through Science and Technology, Belgian government (until 1995) (€54,910)

FIELD EXPERIENCE

- 2012: Jamaica: 2 weeks
- 2010: Bolivia: 2½ weeks
Dominican Republic: 3½ weeks
Jamaica: 1 week
- 2009: Bolivia: 7 weeks
- 2008: Peru and Bolivia: 2 weeks

Dominican Republic: 2 weeks
 2006: Bolivia: 4 weeks
 Dominican Republic: 16 weeks
 2005: Bolivia: 3 weeks
 Dominican Republic: 1 week
 2004: Bolivia: 24 weeks
 2003: Bolivia: 8 weeks
 2002: Bolivia: 20 weeks
 2001: Bolivia: 36 weeks
 2000: Bolivia: 16 weeks
 1999: Bolivia: 4 weeks
 Cuba: 4 weeks

LANGUAGE SKILLS

Dutch Mother Tongue
 English Fluency in speaking, reading and writing
 Spanish Fluency in speaking, reading and writing
 Certificates: Spanish level 1-4, Ghent University, Belgium (1996-1999)
 French Satisfactory speaking, reading and writing
 1997 – 1998: practical experience working in the French-speaking part of Belgium
 German Basic knowledge of speaking and reading

MEDIA COVERAGE

2011: Radio broadcast on the show “We Dig Plants: Ethnobotany” (Heritage Radio Network):
<http://www.heritagerradionetwork.com/episodes/2139-We-Dig-Plants-Episode-79-Ethnobotany>
 2011: Featured scientist in V-Me Noticias, a 24-hour digital broadcast service that is available in
 over 75% of all U.S. Latino homes. Video title “Plantas para fines medicos” (broadcasted
 on July 27, 2011). Available at <http://www.vmetv.com/noticias/> in the videos listed in
 “Archivo”
 2011: Featured scientist in video: “In The Caribbean Garden with Ethnobotanist Ina
 Vandebroek” shot at the Enid A. Haupt Conservatory at The New York Botanical Garden
 (<http://www.youtube.com/watch?v=DZfzPbJ4sMc>)
 2010: Article about our work on Dominican Ethnomedicine in New York City in the Dominican
 newspaper *Hoy* [[http://www.hoy.com.do/el-pais/2010/8/25/339366/Plantas-
 medicinales-son-usadas-NY](http://www.hoy.com.do/el-pais/2010/8/25/339366/Plantas-medicinales-son-usadas-NY)]
 2010: Martha Stewart Living Radio Interview about my work on Dominican Ethnomedicine in
 New York City (June 24, 2010)
 2009: Featured scientist in “The Secret Life of Scientists”, a new Nova ScienceNow web-only
 series for PBS (6 November 2009) [<http://video.pbs.org/video/1321381782/>]
 2009: Video interview about an ethnobotany-art collaboration with contemporary European
 artist Jef Geys for the Venice Art Biennale
 [<http://www.youtube.com/watch?v=v9E1hIBX7Bo>] and
 [http://www.wiels.org/site2/event.php?event_id=182&lng=en] for English summary of
 the project
 2009: Blog in Plant Talk: “Garden Scientist Leads Healthcare Workshops in Bolivia (Promotes
 Dialogue between Traditional and Western Medicine Practitioners)” (6 August 2009)
 [<http://www.nybg.org/wordpress/?p=3570>]

- 2009: Blog in Plant Talk: “The Art in Ethnobotany (Garden Scientist Participates in Venice Art Biennale)” (23 June 2009) [<http://www.nybg.org/wordpress/?p=3111>]
- 2005: “With no insurance and cultural mistrust, Latinos seek healthcare in botánicas”. Press in: Voices That Must Be Heard (Edition 196, 24 November 2005) [http://www.indypressny.org/nycma/voices/196/news/news_1/]
- 2003: “Documentemos el conocimiento de las etnias antes de que se pierda...” Interview in El Deber, Santa Cruz de la Sierra, Bolivia (Extra Sunday Edition, 14 December 2003)

SCIENTIFIC PRESENTATIONS

- Invited Short Course at the IX Brazilian Symposium of Ethnobiology and Ethnoecology on “Urban Ethnobotany”, Florianopolis, Santa Catarina, Brazil, November 26-29, 2012.
- Invited Lecture at the IX Brazilian Symposium of Ethnobiology and Ethnoecology on “Ethnobotany and Migrations”, Florianopolis, Santa Catarina, Brazil, November 26-29, 2012.
- Invited Keynote Lecture at the 13th International Congress of the Society for Ethnopharmacology: “Intercultural Studies”, Graz, Austria, September 2-6, 2012.
- Invited Workshop Organizer at the 18th Annual Conference of the International Society of Tropical Foresters – Yale Chapter “Strategies for Landscape-scale Restoration in the Tropics”. Workshop on “Ethnobotanical Field Methods for Community-Based Research”, New Haven, CT, January 26-28, 2011.
- Invited Participant in the Open Science Network in Ethnobiology meetings to develop opportunities for curriculum development, enhancement, and assessment in the area of Ethnobiology, the Johns Hopkins Mt. Washington Conference Center, Baltimore, MD, November 18-20, 2011.
- Oral presentation at the 52st Annual Meeting of the Society for Economic Botany: “Healing the planet. Medicinal plants and the legacy of Richard E. Schultes”, Saint Louis, MO, July 10-13, 2011.
- Invited Speaker at the SciCafe of the American Museum of Natural History, NYC: “Know your roots. The cultural origins of medicinal plants”, 4 March 2011.
- Invited Speaker at the Conferencia Regional sobre Pueblos Originarios, Cultura, Medio Ambiente y Salud: Prevencion de enfermedades, reducción de inequidades y desarrollo de competencia cultural, San Salvador de Jujuy, Argentina, 20-22 October, 2010.
- Invited Workshop Organizer at the 11th Congress of the International Society for Ethnopharmacology (ISE 2010). Workshop on “Use of Ethnobotanical Results in Outreach and Education: From Community Workshops to Curriculum Development and Cultural Sensitivity Training”, Albacete, Spain, September 20-25, 2010.
- Invited Speaker for the dinner lecture for the Economic Botany Section of the Botanical Society of America Botany 2010 Congress, Providence, Rhode island, July 31-August 4, 2010.
- Oral presentation at the 51st Annual Meeting of the Society for Economic Botany, Xalapa, Mexico: “Agrobiodiversity in an urban environment: The importance of foods as medicines”, June 6-10, 2010.
- Session Chair and Presenter at the 12th International Society of Ethnobiology Congress, Tofino Botanical Gardens, Tofino, Canada, May 9-14, 2010.
- Invited Plenary Speaker and Pre-congress Workshop Organizer at the I Congreso Boliviano de Botánica, Universidad Mayor de San Simón, Cochabamba, Bolivia, October 29-30, 2009.
- Panel Chair and Presenter at the 5th International Congress on Ethnobotany (ICEB)- Session Cognitive Ethnobotany, San Carlos de Bariloche, Argentina, September 21-24, 2009.
- Session Leader, Immigrants and Plants, Ethnobotany Networks in Europe, Ghent, March 14-15, 2009.
- Invited Speaker at the XX Symposium of Brazilian Medicinal Plants and X International Congress of Ethnopharmacology, Sao Paulo, Brazil: “Going urban: studying the dynamics of

- medicinal plant knowledge and use by immigrants from the Dominican Republic in New York City”, September 16-19, 2008.
- Oral Presentation at the Faculty of Medicine, Universidad Mayor de San Simón: “El uso cultural de plantas medicinales por las comunidades indígenas en Bolivia. Hacia la integración de la medicina tradicional con la biomedicine para la atención primaria de la salud”, July 4, 2008.
- Oral Presentation at the Science Seminar Series of The New York Botanical Garden: “*Going Urban*: Studying the dynamics of plant knowledge and use by Dominican immigrants in New York City”, November 20, 2007.
- Invited Speaker at the Biology seminars of Fairleigh Dickinson University: “Traveling plants and cultures. Knowledge and use of herbal remedies by Dominican immigrants in New York City”, NJ, September 6, 2007.
- Oral Presentation at the Society for Economic Botany 48th Annual Meeting: “A transnational comparison of medicinal plant knowledge of Dominicans living in New York City and the Dominican Republic”, Chicago, IL, June 3-9, 2007.
- Invited Speaker at the Fourth Region II Healthy People 2010 Summit on Experiences, Accomplishments, and Understanding the Role of Culture in Eliminating Health Disparities: “Dominican Ethnomedicine in New York City”, NJ, December 6, 2006.
- Invited Speaker at the Immigration and Alternative Healing Systems Symposium: “Knowledge and use of medicinal plants by Dominicans in New York City”, City University of New York Graduate Center, NY, November 3, 2005.
- Invited Speaker at the Biology seminars of Fairleigh Dickinson University: “Plant explorations in Bolivia”, NJ, September 8, 2005.
- Invited Speaker at the BWTS-workshop (Bilateral Scientific and Technological Cooperation between Ghent University, Belgium, and South Africa): “Ethnobotany research and its potential for drug development: a case study from Bolivia”, Ghent University, Belgium, October 22, 2004.
- Oral Presentation at the 9th International Congress of the International Society of Ethnobiology, the Society for Economic Botany and the International Society of Ethnopharmacology: “Comparison of ailments treated by a primary health care service and traditional healers in the Bolivian Andes”, University of Kent, Canterbury, UK, June 13-17, 2004.
- Invited Speaker at the Symposium Plants in Health and Culture: “Historical Perspectives on the Medicinal Plants in the Bolivian Andes and Amazon”, Leiden University, The Netherlands, February 16-17, 2004.
- Oral Presentation at the 3rd International Congress of Ethnobotany: “The European Ethnobotany Research Network (EERN): objectives, activities and themes of debate”, Naples, Italy, September 22-30, 2001.
- Oral Presentation at the 3rd International Congress of Ethnobotany: “Qualitative and quantitative aspects of medicinal plant use: the example of Quechua healers in the Bolivian Andes (Apillapampa, Department of Cochabamba)”, Naples, Italy, September 22-30, 2001.
- Oral Presentation at the Building Bridges with Traditional Knowledge II Conference: “Qualitative and quantitative analysis of traditional medicinal plant use by Quechua healers in the Bolivian Andes (Apillapampa, Department of Cochabamba)”, Hawaii, May 28 – June 2, 2001.
- Poster Presentation at the Symposium on Biodiversity: “Medical ethnobotany of Quechua-farmers in the Bolivian Andes: diversity, (ethno)classification and use of medicinal plants”, Louvain-la-Neuve, Belgium, December 13-14, 2000.
- Oral Presentation at the Seminars on Ethnobotany of UKC: “EERN, the European Ethnobotany Research Network”, Kent University, Canterbury, UK, 13-15 December, 1999.

SUPERVISION OF JUNIOR RESEARCHERS

- Jeanette Rodriguez: “Latino Ethnomedicine in New York City and the Role of the Botánica”, Columbia University, New York City, BSc in Biology, 2012.
- Evert Thomas: “Applied ethnobotanical research into the sustainable use of non-timber forest products (NTFPs) by indigenous communities in Bolivia, Cochabamba department” (in English), Ghent University (Belgium), PhD in Applied Biological Sciences, 2008.
- Liseth Muriel Russo: “Ethnomedicine of high altitude communities in the department of La Paz” (in Spanish), Universidad Mayor de San Simón (Bolivia), MSc Environmental Sciences, 2003.
- Kris Duchateau: “Traditional knowledge and intellectual property rights” (in Dutch), Ghent University (Belgium), Graduate in the Complementary Studies in Development Cooperation, 2002.
- Verbanck Elias: “The concept of ‘nature’ in the Trinitario culture” (in Dutch), Wageningen University for Life Sciences (The Netherlands), Engineer in Agricultural Sciences, 2002.
- Rebecca Balsacq: “Medical ethnobotany study in the Bolivian Amazon” (in French), University of Gembloux (Belgium), Engineer in Agricultural Sciences, 2002.
- Stijn De Jonckheere: “Medicinal plant knowledge and use in the Bolivian Amazon” (in Dutch), Ghent University (Belgium), Bio-engineer in Environmental Technology, 2002.
- Isabel De Buysscher: “Medicinal plant species of the Yuracaré-Trinitario from the Bolivian Amazon” (in Dutch), Ghent University (Belgium), Bio-engineer in Environmental Technology, 2002.
- Bart De Ridder: “Project formulation for domestication of medicinal plants in an Andean community in Bolivia” (in Dutch), Ghent University (Belgium), Graduate in the Complementary Studies in Development Cooperation, 2001.
- Pieter Logghe: “Medicinal plant preparations in an Andean community, Bolivia” (in Dutch), Ghent University (Belgium), Graduate in the Complementary Studies in Development Cooperation, 2001.
- Heidi Mussche: “Intellectual property rights in ethnobotany research” (in Dutch), Ghent University (Belgium), Graduate in the Complementary Studies in Development Cooperation, 2001.
- Jan-Bart Calewaert: “Medicinal plant knowledge and use in a community in the Bolivian Andes” (in Dutch), Ghent University (Belgium), Bio-engineer in Environmental Technology, 2001.
- Evert Thomas: “Medicinal plant knowledge of traditional healers in the Bolivian Andes” (in Dutch), Ghent University (Belgium), Bio-engineer in Environmental Technology, 2001.
- Carola Ureña: “Diversity, classification and use of medicinal plants in an Andean community” (in Spanish), Universidad Mayor de San Simón (Bolivia), MSc Environmental Sciences, 2000.
- Marcos Espinoza: “Medicinal properties of *sangre de drago*, *Croton* spp., in Bolivia” (in Spanish), Universidad Mayor de San Simón (Bolivia), MSc Environmental Sciences, 1999.
- Carlos de la Barra: “*Plantago* spp. as medicinal plants in Bolivia” (in Spanish), Universidad Mayor de San Simón (Bolivia), MSc Environmental Sciences, 1999.
- Susana Arrazola: “Medicinal plants of the Interandean Valleys in Bolivia” (in Spanish), Universidad Mayor de San Simón (Cochabamba, Bolivia), MSc Environmental Sciences, 1999.
- Veerle Berckmoes: “Behavioural pharmacology of stereotyped behaviour in a rodent species” (in Dutch), Ghent University (Belgium), BSc Biology, 1995.

MEMBER OF THE DISSERTATION COMMITTEE

- Lisa Offringa: “Plants used by traditional healers in Northern Thailand to treat neurological disorders”, City University of New York, tentative date 2012.
- Jillian De Gezelle: “Phytoestrogens and the treatment of estrogen-related conditions among the Maya”, City University of New York, tentative date 2012.

- Marleen Delanoy: “Variability and cultivation potential of *Passiflora* spp. in the *Yungas* of the La Paz Department in Bolivia” (in English), Ghent University (Belgium), PhD in the Applied Biological Sciences, tentative date 2012.
- Amy Keller: “Antidiabetic Activity of *Momordica charantia* and *Costus speciosus*: Plants Used in Dominican Traditional Medicine”, City University of New York, 2011.
- Amadou Malé Kouyate: “Ethnobotanical aspects and study of the morphological, biochemical and phenological variability of *Detarium microcarpum* Guill. & Perr. (Mali)” (in French), Ghent University (Belgium), PhD in the Applied Biological Sciences, 2005.
- Nicolas De Cocker: “Characterisation of agriculture and cattle raising activities in Oxampampa, Peru – Reported poisoning with *Pteridium aquilinum*, bracken fern (adelaarsvaren) and dangers for human health” (in Dutch), Ghent University (Belgium), Graduate in the Complementary Studies in Development Cooperation, 2004.
- Veerle Van Den Eynden: “Edible non-crop plants in Ecuador” (in English), Ghent University (Belgium), PhD in the Applied Biological Sciences, 2004.
- Trees Cousyn: “Local flora of an Andean community in Bolivia” (in Dutch), Ghent University (Belgium), BSc in Biology, 2004.
- Melissa Ceuterick: “Nahua ethnobotany, Mexico” (in Dutch), Ghent University (Belgium), Graduate in the Complementary Studies in Development Cooperation, 2004.
- Frieke Heens: “Use of woody plant species for fuel in an Andean community in Bolivia” (in Dutch), Ghent University (Belgium), Graduate in the Complementary Studies in Development Cooperation, 2004.
- Stijn Van De Velde: “Trade related intellectual property rights” (in Dutch), Ghent University (Belgium), Graduate in the Complementary Studies in Development Cooperation, 2001.
- Heidi Goes: “Use of plants for traditional healing in Togo, Africa” (in Dutch), Ghent University (Belgium), Graduate in the Complementary Studies in Development Cooperation, 2001.
- Pedro Cárdenas: “Exploitation of *Parastrephia lepidophylla* (Wedd.) Cabrera and its effect on the *altiplano* ecosystem” (in Spanish), Universidad Mayor de San Simón (Cochabamba, Bolivia), MSc Environmental Sciences, 2000.

SOFTWARE PROFICIENCY

MS Office (Word, Excel, Powerpoint, Access)
 Collections Management Software: KE EMu
 Qualitative Anthropology Software: Atlas-ti
 Geographic Information System Software: ArcGIS
 Statistical software: Sigmastat (Jandel Scientific), SPSS, NTSysPc (cluster analysis)
 Software for bibliographic references: EndNote, Procite

REVIEWER FOR

Alternative Therapies in Health and Medicine; BMC Complementary and Alternative Medicine; Boletim Do Museu Paraense Emílio Goeldi; Bulletin of the World Health Organization; Ecology of Food and Nutrition; Economic Botany; Environment, Development and Sustainability; Ethnicity and health; Ethnobotany Research and Applications; Evidence-Based Complementary and Alternative Medicine; Focus on Alternative and Complementary Therapies; Human Organization; Journal of Ethnobiology and Ethnomedicine; Journal of Ethnopharmacology; Journal of Medicinal Plants Research; Plant Genetic Resources Newsletter; Social Science and Medicine.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Society for Economic Botany (SEB), Botanical Society of America (BSA)