

Curriculum Vitae

Rainer Willi Bussmann

Director William L. Brown Center

William L. Brown Curator for Economic Botany

Missouri Botanical Garden

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Academic Training

1994 Ph.D. (Dr. rer. nat.), University of Bayreuth, Germany, Magna Cum Laude

1993 M.Sc. Biology (Dipl.-Biol), University of Tübingen, Germany

1991-92 Study abroad, Temple University, Philadelphia, USA

1990 Study abroad, University of Nairobi, Kenya

Scholarships

Habilitation Stipend, German Science Foundation (DFG), 1999-2002

Post-Doc Stipend, Research Program "Mechanisms for the maintenance of tropical diversity," German Science Foundation (DFG) 1994-1995

Ph.D. Scholarship, Research Program "Mechanisms for the maintenance of tropical diversity," German Science Foundation (DFG) 1993-94

M.S. Scholarship, Research Program "Mechanisms for the maintenance of tropical diversity," German Science Foundation (DFG) 1992-93

Areas of Interest

Ethnobotany / Economic Botany

Plant Ecology and Regeneration Ecology

Systematics (Plukenetieae, Merianeae)

Seed and Germination Ecology

Natural Resource Management

International law in relation to Intellectual Property Rights, Ecology and Environment

Current Projects

Medicinal plants and climate change: Biodiversity, systematics, ecology and use-potential of high altitude species in the Andes, Himalaya and Caucasus ranges.

Vegetation, regeneration and succession processes, use-potential and conservation of tropical mountain forests in Peru and Bolivia

Montane forest ecosystems in Southern Ethiopia - Biodiversity in the interface of human use, wildlife conservation and climate change.

International Ethnobotany Database (ebDB)

Positions held

- 2007-present **Director William L. Brown Center for Plant Genetic Resources and William L. Brown Curator for Economic Botany**, Missouri Botanical Garden
- 2006-2007 **Research Fellow**, The University of Texas at Austin
- 2003-2006 **Associate Professor of Botany and Scientific Director Lyon Arboretum**, University of Hawaii
- 1997-2002 **Assistant Professor**, University of Bayreuth, Germany
- 1992-1996 **PhD student / Post-doc**, University of Bayreuth, Germany
- 1988-1991 **Teaching Assistant**, University of Tübingen, Germany

Adjunct and Associate Appointments

- 2008-present **Honorary Adjunct Professor**, Washington University St. Louis
Honorary Adjunct Professor, University of Missouri, St. Louis
- 2003-2009 **Adjunct Professor**, University of Hawai'i at Manoa, Honolulu
- 2005-2006 **Visiting Scholar**, The University of Texas at Austin

Professional Activities

- 1997-2010 **Vice President and Scientific Director**, Nature and Culture International, Del Mar, CA
- 1996-present **Professor Minority Research and Training Program Peru and Advisor**, International Center of Phytomedicine, San Diego State University, San Diego, CA
- 1995-present **Research Associate**, San Diego Museum of Man (San Diego, CA)
- 2001-2004 **Project Director**, Regeneration and Ethnobotany of Kakamega and Mt. Kenya Forests, and Development of Maseno University Botanical Garden, Kenya
- 1997-2004 **Project Director**, Vegetation, Regeneration Ecology and Use Potential of Tropical Mountain Forests in Southern Ecuador
- 1997-1999 **Program Coordinator**, Ecology of Disturbed and Undisturbed Tropical Mountain Forests, Ecuador
- 1996 **Expedition Director**, Vilcabamba und Cordillera de Sabanilla y Tzunantza Rapid Assessment Expedition, Ecuador
- 1992-1996 **Project Leader**, Mountain Forests of East Africa – Vegetation, Regeneration and Management, Kenya and Ethiopia
- 1990-1992 **Conservation Director**, German Mountain Club, Leutkirch Chapter
- 1985-1992 **Chair**, Natural Science working group, Adult College Leutkirch, Germany
- 1983-1992 **Field Botanist**, flora and habitat mapping program, Federal State Baden-Wuerttemberg, Germany

Military Service

- 1986-1987 1. German Mountain Division – 81. Mountain Artillery Battalion

Grant support

- 2013** Kemin Semomyx Inc. – Plant collection project (\$ 21,000)
NIH-MHIRT Minority Health Disparity Research and Training Grant Peru 2012 (through San Diego State University, Bob Pozos PI, \$ 50,000)
New Chapter Organics support for “Sacred Seed Program” (\$ 40,000)
National Center for Natural Product Research Plant collection contract (\$ 70,000)
NGS Chacobo Ethnobotany (S 20,000)
NSF CNH: Assessing Vulnerability of Provisioning Services in the Southern Highlands of Ethiopia (Subcontract, \$ 135,000 – pending)
NSF Dimensions of Biodiversity: Genetic, Environmental, and Climatic Influences on the Distribution and Phytochemistry of *Valeriana* Species (PI, \$ 2,000,000 - pending)
- 2012** NOVUS AWARD program (\$ 37,000)
Semomyx Inc. - North America plant collection (\$ 60,000)
Sensient Inc. - Natural Dye discovery program (\$ 50,000)
Traditional Medicinals Inc. – Plant assessment (\$2,500)
NIH-MHIRT Minority Health Disparity Research and Training Grant Peru 2012 (through San Diego State University, Bob Pozos PI, \$ 50,000)
New Chapter Organics support for “Sacred Seed Program” (\$ 35,000)
National Center for Natural Product Research Plant collection contract (\$ 70,000)
Pioneer US plant collection (\$ 190,000 over 3 years)
- 2011** National Center for Natural Product Research FDA natural products research (Co-PI, \$ 272,000)
NOVUS Ethnoveterinary discovery (\$ 20,000)
Semomyx Inc. - North America plant collection (\$ 80,000)
Sensient Inc. - Natural Dye discovery program (\$ 50,000)
NIH-MHIRT Minority Health Disparity Research and Training Grant Peru 2011 (through San Diego State University, Bob Pozos PI, \$ 60,000)
New Chapter Organics support for “Sacred Seed Program” (\$ 55,000)
National Center for Natural Product Research Plant collection contract (\$60,000)
- 2010** Missouri Life Science Award (Co-PI, \$ 300,000)
Sensient Inc. - Natural Dye discovery program (\$ 50,000)
Semomyx Inc. - North America plant collection (\$ 74,000)
NIH-MHIRT Minority Health Disparity Research and Training Grant Peru 2008 (through San Diego State University, Bob Pozos PI, \$ 65,000)
New Chapter Organics support for “Sacred Seed Program” (\$ 41,000)
National Center for Natural Product Research Plant collection contract (\$ 60,000)
New Chapter Organics Support for participation in Third Alan G. Johnson Memorial Conference on Ethnomedicine, Health and Environmental Conservation. Costa Rica (\$ 3,000).

- 2009** Sehgal Family Foundation: Committed \$ 500,000 to endow new curatorship of Medicinal Botany.
- Semomyx Inc. - North America plant collection and consulting contract (\$ 80,000)
- NSF-DBI, "Open Science – an education network in ethnobiology" (Co-PI, \$ 368,173)
- NIH-MHIRT Minority Health Disparity Research and Training Grant Peru 2009 (through San Diego State University, Bob Pozos PI, \$ 35,000)
- New Chapter Organics support for "Sacred Seed Program" (\$ 12,500)
- National Center for Natural Product Research Plant collection contract (\$60,000)
- Alice H. Brown Memorial donation (\$5,000)
- Alice H. Brown estate to support William. L. Brown Center (\$ 35,000)
- New Chapter Organics Support for participation in Third Alan G. Johnson Memorial Conference on Ethnomedicine, Health and Environmental Conservation. Costa Rica (\$ 3,000)
- National Center for Biological Science grant for participation in "Indian Traditional Knowledge – History, Influences and New Directions for Natural Science," Bangalore, India (\$ 2,000)
- 2008** Sequoia Sciences support for William L. Brown Symposium "Ethnobotany – Linking Biology and Traditional Knowledge" (PI, \$ 10,000)
- National Center for Natural Product Research Plant collection contract (\$60,000)
- Edward Mallinckrodt Jr. Foundation support for William L. Brown Symposium "Ethnobotany – Linking Biology and Traditional Knowledge" (PI, \$ 15,000)
- Semomyx Inc. - North America plant collection contract (\$ 10,000)
- NIH-MHIRT Minority Health Disparity Research and Training Grant Peru 2008 (through San Diego State University, Bob Pozos PI, \$ 40,000)
- New Chapter Organics Support for participation in Third Alan G. Johnson Memorial Conference on Ethnomedicine, Health and Environmental Conservation. Costa Rica (\$ 2,000).
- 2007** NIH-MHIRT Minority Health Disparity Research and Training Grant Peru 2008 (through San Diego State University, Bob Pozos PI, \$ 40,000)
- 2005** Gordon and Betty Moore Foundation Research and Conservation Grant „Parque Nacional Rio Abiseo, Reserva Comunal Cordillera Colan, Reserva Alto Mayo, Peru“ (Co-PI, Nature and Culture International, \$1,780,000)
- NIH-MIRT Minority Research and Training Grant Peru 2005 (through San Diego State University, Bob Pozos PI, \$ 20,000)
- 2004** USDA-T-STAR Grant "Controlling Invasive Species through the Use of Native Plant Agroforestry Systems" (Co-PI, \$ 114,500)
- NIH-MIRT Minority Research and Training Grant Peru 2004 (through San Diego State University, Bob Pozos PI, \$ 30,000)
- 2003** NIH-MIRT Minority Research and Training Grant Peru 2003 (through San Diego State University, Bob Pozos PI, \$ 30,000)
- 2002** German Science Foundation Grant "Vegetation and Ecology of Southern Ecuadorian Mountain Forests" (PI, \$50,000)
- University of Hawaii Start-up Funds (PI, \$100,000)
- NIH-MIRT Minority Research and Training Grant Peru 2002 (through San Diego State University, Bob Pozos PI, \$ 30,000)

- 2000** BMBF (German Ministry for Education and Research) "Vegetation, Ecology and Use of Kakamega Forest, Kenya," and Establishment of Maseno Botanical Garden (PI, \$350,000)
Equipment for Kakamega Research Project, Kenya (PI, Nature and Culture International, \$10,000)
- 1999** DFG (German Science Foundation) Habilitation Stipend "Vegetation and Ecology of Southern Ecuadorian Mountain Forests", (PI, \$100,000)
- 1997** DFG (German Science Foundation) Postdoctoral Grant "Vegetation and Ecology of Southern Ecuadorian Mountain Forests", (PI, \$100,000)
- 1996** Grant for Establishment of Estacion Cientifica San Francisco, Ecuador (PI, Nature and Culture International, \$500,000)
- 1995** Rapid Assessment Expedition Southern Ecuador (PI, Private, \$20,000)
Expedition Grant "Ethnobotany of Southern Ecuador" (PI, Private, \$10,000)
- 1993** DFG (German Science Foundation) Ph.D. and Postdoctoral Grant "Vegetation and Ecology of East African Mountain Forests" (PI, \$100,000)
- 1992** DFG (German Science Foundation) M.S. Grant "Vegetation and Ecology of East African Mountain Forests" (\$ 25,000)

Graduate students - Advisor or committee member

Doctoral Dissertations

- Rakotoarivelo, N.H.** Inventory of useful and multiple use plants, in particular woody species at Vohibe forest, Ambalabe, Vatomaniry and their extinction risk assessment.
- Randrianarivony, T.** Ethnic value of vegetail ressources in the surroundings and in the sacred forest of Analavelona, a new protected area in Southwest Madagascar.
- Kunwar, R.** Diversity and indigenous use of plant resources in West Nepal.
- Lozano, P.** Vegetation and regeneration of natural landslides in the montane forests of Southern Ecuador, 2011.
- Souto, T.** Ethnoecology and forest dependency level of four indigenous and non-indigenous communities in the Lower Caura River, Venezuela. 2009.
- Njoroje, G.** Land use and use of forest resources, particularly medicinal plants, in the Mount Kenya region, Kenya. 2004.
- Ochieng Nyunja R.** Land use and use of forest resources, particularly medicinal plants, in the Kakamega region, Kenya. 2004.
- Fonge, B.** Vegetation recovery on lava flows of different successional age on Mt. Cameroon, Cameroon. 2004.

Masters Theses

- Monigatti, M.** Ethnobotany in the Northern Peruvian Andes, 2011.
- Rabearivony, D.A.N.** Medicinal plants used by men at Ambalabe-Vatomaniry – Health implications, regeneration and conservation status, 2011.
- Raveloson, T.F.** Ethnobotanical studies and ecological status assessment of some medicinal species used by female healers and women at Ambalabe-Vatomaniry, 2011.
- Ratsaralaza, H.L.N.** The most frequently used medicinal plants of the new protected area of Agnalazaha (Mahabo, Mananivo, Fargangana. Ethnobotanical and ecological studies for conservation strategy, 2011.
- Razafindraibe, N.M.** Medicinal plants used by women in Agnalazaha littoral forest and its surroundings: Ethnobotany and conservation ecology, 2011.
- Randriamiharisoa, T.N.M.** Ethnobotanical study and status assessment of some medicinal plants of Analamanga Region, 2011.
- Fraiola, H.K.** Documenting recovery: An assessment of regeneration and selected management actions in the Waianae Kai Forest Reserve after a wild-fire, 2005.
- Lozano, D.F. & Sarango, S.P.** Vegetacion Pionera de los Derrumbos de la Franja Occidental del Parque Nacional Podocarpus, 2005.
- Uday, V.** Distribución Florística del bosque de neblina montano en la Reserva Tapichalaca, Cantón Palanda. – Floristic distribution in two plots in the cloud forest of Reserva Tapichalaca, Canton Palanda; 2003.
- Werner, F.** Epiphytenzonierung im Höhengradienten der montanen Bergwälder der Estación Científica San Francisco, Ecuador - Epiphyte zonation in the altitudinal gradient of the mountain forests of Estación Científica San Francisco; 2002.

- Homann, P.** Vegetation communities of the upper montane forest in Estación Científica San Francisco, Ecuador; 2001.
- Torracchi, S.C. & Escobedo V., R.** Estado de conservación del bosque y su influencia en la diversidad alfa de briófitas en la Estación Científica San Francisco - Conservation status of forest and its influence on Alpha-Diversity of Bryophytes in Estación Científica San Francisco; 2001.
- Leischner, B.** Holznutzung und Holzmarkt in den Provinzen Loja und Zamora-Chinchipec, Süd-Ecuador - Timber use and timber market in the provinces of Loja and Zamora-Chinchipec, South Ecuador; 2000.
- Gálvez, J.R.** Estudio florístico y dasométrico del bosque tropical de montaña no perturbado de la Estación Científica San Francisco - Floristic and dasiometric study of the undisturbed tropical mountain forests of Estación Científica San Francisco; 2000.
- Ordoñez, O.R.** Estudio dasométrico y composición florística y regeneración natural del bosque alterado de montaña de la Estación Científica San Francisco - Dasiometric study and floristic study of the disturbed tropical mountain forests of Estación Científica San Francisco; 2000.
- Ohi, C.** Vegetation on natural landslides in the tropical mountain forest of southern Ecuador, with special consideration of the altitudinal gradient. 2000.
- Alvarado, R.P.** Levantamiento de la cubierta vegetal en la Reserva Biológica de la Estación Científica San Francisco y diagnóstico socio-económico del área de influencia - Vegetation cover in the Biological Reserve of Estación Científica San Francisco and socio-economic profile of its area of influence; 1999.

External Thesis Advisor

2009 Madurai Mamaraj University, Madurai, India
2009 St. Xavier's College, Palayamkottai, India;
2009 Manonmaniam Sundaranar University, Tirunelveli, India
2002-2006 University of Buea, Cameroon
2002-2005 Kenyatta University, Nairobi, Kenya
2000-2005 Maseno University, Maseno, Kenya
1997-2005 Universidad Nacional Loja, Ecuador

Teaching Experience

Medicinal Botany (Lecture/Seminar, Washington University St. Louis)
Economic Botany (Seminar, Washington University St. Louis)
Biodiversity Conservation (Seminar, University of Texas at Austin)
Ethnobotany and Tropical Plant Ecology (Field Class in Northern Peru, UC Berkeley)
Vegetation Community Ecology (Lecture/Seminar, Field Class, Universität Bayreuth)
Ethnobotany / Economic Botany (Lecture/Seminar, Universität Bayreuth)
Vegetation and Ecology of Tropical and Temperate High Mountain Systems (Seminar, Universität Bayreuth)
Arctic and Alpine Plant Communities: Vegetation, Ecology and Physiology (Seminar, Universität Bayreuth)
Conservation, Management and Sustainable Use of Natural Resources (Lecture/Seminar, Emory University)
International Law, Biodiversity Convention and Intellectual Property Rights (Lecture/Seminar, Emory University)
Introductory Botany, Plant Morphology and Anatomy (Lecture, Universität Bayreuth)

Mentoring Activities

NIH-MHIRT Peru (Minority Health Disparity Research Training 2002-2012)
Planting Science (2009-2010)
Washington University SURF (Summer Undergraduate Research Fellowship 2009-)

Review and Editorial Activities

Grant Reviews

National Institutes of Health –International Cooperative Biodiversity Groups (2008-)
Commission of the European Union, 5th, 6th and 7th Framework Program Biodiversity and Global Change (2000-)
Missouri Life Science Research Fund (2009-)
National Geographic Society (2009-)
Czech Academy of Science (2005-)
Gesellschaft fuer Technische Zusammenarbeit – German Development Agency (1998-)
Medical Research Council (MRC) South Africa (2012-)
Swiss National Science Foundation (2005-)
South African Science Council (2008-)
Volkswagen Foundation (1999-)

Editorial Activities

Editor in-Chief Lyonia (2003-2006)
Editor Ethnobotany Research and Application (2008-)
Deputy Editor Ethnobiology and Ethnomedicine (2009-)
Associate Editor Economic Botany (2012-)
Ethnobiology and Ethnomedicine (2004-2009)
Indian Journal of Traditional Knowledge (2010-)
International Journal of Ecology & Development (2006-)

Reviewer for International Scientific Journals

Arnaldoa, African Journal of Biotechnology, African Journal of Pharmacy and Pharmacology, African Journal of Plant Science, Biodiversitas; Biomass and Bioenergy, BMC Complementary and Alternative Medicine, Caspian Journal of Environmental Sciences, Caribbean Journal of Science, Climate Change, Conservation and Society, Geoderma, Eco Health, Ecologia en Bolivia, Economic Botany, Ecotropica, Environmental Management Review, Environmental Monitoring and Assessment, Ethnobotany Research and Applications, European Journal of Medicinal Plants, Forest Ecology and Management, Forestry Studies in China, Ghana Journal of Forestry, Herbalgram, Industrial Crops and Products, International Journal of Sociology and Anthropology, Israel Botanical Journal, Journal of Biogeography, Journal of East African Natural History, Journal of Ethnobiology, Journal of Ethnobiology and Ethnomedicine, Journal of Ethnopharmacology, Journal of Epithelial Biology & Pharmacology, Journal of Horticulture and Forestry, Journal of Medicinal Plants Research, PloS One, Journal of Tropical Forest Science, Ethnobotany Research and Application, Landscape Ecology and Engineering, Mountain Research and Development, Pharmaceutical Biology, Phytochemistry, Plants, Plant Ecology, Plant Ecology and Evolution, Restoration Ecology, Sinet – Ethiopian Journal of Science, South African Journal of Botany, Trees, Vegetation Ecology

Language Proficiency

English: Fluent (reading, writing, speaking)
Spanish: Fluent (reading, writing, speaking)
French: Intermediate (reading) Elementary (writing), Elementary (speaking)
German: Native
Latin seven years studied

Service to professional Societies

Society of Economic Botany: Immediate Past President (2012-2013), President (2011-2012), President Elect (2010-2011), Council Member (2008-2010); Schultes Award Committee Member (2008-2009)

International Society for Ethnopharmacology: Board Member (2010-)

Society of Ethnobiology: Board Member (2008-2011)

Botanical Society of America – Council Member, Chair Economic Botany Section (2008-2011)

Garden Clubs of America – Chatham Award Committee Member (2007-2010)

International Society of Ethnobiology: Secretary (2010); Student Award Committee Member (2010); Member Ethics Toolkit Committee (2008-2009)

Professional Memberships

AETFAT (Association for the Taxonomic Study of the Flora of Africa), Association of Tropical Biology and Conservation, Botanical Society of America, Bavarian Botanical Society, East Africa Natural History Society, Funbotanica (Ecuadorian Botanical Society), German Society for Tropical Ecology (GTOE), Global Mountain Biodiversity Assessment (GMBA), Gloria (Global Observation Research Initiative in Alpine Environments), International Society for Ethnobiology, International Society for Ethnopharmacology, Society for Conservation Biology, Society for Economic Botany, Society for Ethnobiology

Professional Presentations

Conference Presentations and Public Lectures: Over 250 worldwide

TV Documentaries About Own Research:

2001 “Humboldt’s Heirs – The Valley of Longevity,” Ecuador, ZDF – Public German Television

2002 “Valley of Longevity,” Ecuador, ARD – Public German Television

Congress organization

American Society of Pharmacognosy, St. Louis, Missouri, July 13-17, 2013.

Botany 2011 – Joint annual meeting of the Society for Economic Botany, Botanical Society of America, American Society of Plant taxonomists, American Fern Society, and IIIrd William L. Brown Symposium, St. Louis, MO, July 9-13, 2011.

IInd William L. Brown Symposium, St. Louis, MO, November 7-8, 2008.

47th IAVS (International Association for Vegetation Science) Congress, Hawaii, July 18-23, 2004: Member of organizing committee

2nd Congress of Biodiversity in the Andes and Amazon Basin and IV. Ecuadorian Botanical Congress, Loja, Ecuador, August 25–30 2003: Member of organizing committee, keynote speaker

1st International Congress on Conservation of Biodiversity in the Andes and the Amazon Basin, Cusco, Peru, September 24-28, 2001: Conference organizer and president

Fieldwork and Research Experience

Collection of over 20,000 numbers and field research in over 40 countries and territories: Argentina, Austria, Belgium, Brazil, Bolivia, Bosnia-Herzegovina, Colombia, Costa Rica, Croatia, Czech Republic, Cyprus, Ecuador, Ethiopia, France, French-Polynesia, Georgia, Germany, Greece, Hawai'i, Hungary, India, Iran, Kenya, Kyrgyzstan, Madagascar, Macedonia, Mexico, Nepal, Netherlands, Peru, Russia, Serbia, Slovenia, South Africa, Sri Lanka, Sweden, Switzerland, Tanzania, Thailand, Turkey, UAE, United States (20 States), Viet Nam.

- 2013 May – Bolivia (Ethnobotany)
- 2013 March – Madagascar (Ethnobotany and Floristics)
- 2012 December – Bolivia (Ethnobotany)
- 2012 October/November – Peru and Bolivia (Floristics)
- 2012 August – Peru (Ethnobotany, Floristics)
- 2012 March – Peru (Ethnobotany)
- 2012 February – India (Ethnobotany)
- 2011 Bolivia – December (Ethnobotany)
- 2011 Peru – October (Ethnobotany)
- 2011 Colombia, Peru – August (Ethnobotany)
- 2011 Peru – May (Floristics)
- 2011 Peru, Bolivia – March (Ethnobotany)
- 2011 Madagascar – February (Ethnobotany)
- 2011 Bolivia – January (Ethnobotany)
- 2010 Peru - December (Ethnobotany)
- 2010 Bolivia – October (Ethnobotany)
- 2010 Peru – June-July (Ethnobotany, Floristics)
- 2010 Madagascar – April (Ethnobotany, Floristics)
- 2010 Costa Rica – February (Ethnobotany, Floristics)
- 2009 Ethiopia – December (Ethnobotany, Floristics, Vegetation Ecology)
- 2009 Georgia – December (Ethnobotany)
- 2009 Bolivia, Ecuador – October-November (Ethnobotany, Floristics)
- 2009 Peru – June-July (Ethnobotany, Floristics)
- 2009 Costa Rica – May (Ethnobotany, Floristics)
- 2009 India – February-March (Ethnobotany)
- 2008 Viet Nam – September-October (Ethnobotany, Floristics)
- 2008 Peru – June-July (Ethnobotany, Floristics)
- 2008 Madagascar – August-September (Ethnobotany, Floristics)
- 2007 Peru – June-August (Ethnobotany, Floristics)
- 2006 Peru – July (Ethnobotany, Floristics)
- 2006 Ecuador – September (Vegetation Ecology, Floristics)
- 2005 Peru – August (Ethnobotany, Floristics)
- 2005 Ecuador – August and November (Vegetation Ecology, Floristics)
- 2004 Thailand – November (Ethnobotany, Floristics)
- 2004 Sri Lanka – November (Ethnobotany, Floristics)
- 2004 Spain – September (Floristics)
- 2004 Peru – April and July (Ethnobotany, Floristics)
- 2004 Iran – October (Ethnobotany, Floristics)
- 2004 India – October-November (Ethnobotany)
- 2004 French Polynesia – April (Ethnobotany, Floristics)
- 2003 Peru – August (Ethnobotany, Floristics)
- 2003 Ecuador – August (Vegetation Ecology, Floristics)
- 2002 Kenya – October-November (Ethnobotany, Floristics)
- 2002 Kenya – March (Ethnobotany, Floristics)
- 2002 Ecuador – June-July and October
- 2001 Spain – May-June (Vegetation Ecology, Floristics)
- 2000 Peru – August-October (Ethnobotany, Floristics)
- 2000 Peru – April-May (Ethnobotany, Floristics)
- 2000 Mexico – February (Ethnobotany, Floristics)
- 2000 Kyrgyzstan – August (Ethnobotany, Floristics)

2000 Ecuador – May, August and October
2000 Bolivia – May (Vegetation Ecology, Floristics)
1999 Peru – September (Ethnobotany, Floristics)
1999 Ecuador – April, July and October (Vegetation Ecology, Floristics)
1998 Spain – February-March (Vegetation Ecology, Floristics)
1998 Ecuador – January, July and October (Vegetation Ecology, Floristics)
1997 Spain – May-June (Vegetation Ecology, Floristics)
1997 Ecuador – March-July and September-December (Vegetation Ecology, Floristics)
1996 Spain – May-June (Vegetation Ecology, Floristics)
1996 Mexico – December (Vegetation Ecology, Floristics)
1996 Kenya – July (Vegetation Ecology, Floristics)
1996 France – May (Vegetation Ecology, Floristics)
1996 Ethiopia – February (Vegetation Ecology, Floristics)
1996 Ecuador – September-November (Vegetation Ecology, Floristics)
1995 Kenya – April-July (Vegetation Ecology, Floristics)
1995 Ethiopia – November (Vegetation Ecology, Floristics)
1995 Ethiopia – March (Vegetation Ecology, Floristics)
1995 Ecuador – September (Ethnobotany, Floristics)
1994 Tanzania – August (Vegetation Ecology, Floristics)
1994 Kenya – January-August (Vegetation Ecology, Floristics)
1993 Kenya – February-July and November-December (Vegetation Ecology, Floristics)
1992 Kenya – February-July (Vegetation Ecology, Floristics)
1991 Sweden – July (Floristics)
1991 Ecuador – February-April (Floristics)
1990 Turkey – July (Floristics)
1990 Sweden – August-September (Floristics)
1990 Kenya – February-April (Floristics)
1990 France (Bretagne) – November (Floristics of Algae)
1989 Kenya – February-April (Floristics)
1987 Greece – February-April (Floristics)
1985 Cyprus – March-April (Floristics)

Publications

PAPERS and BOOK CHAPTERS

1. Monigatti, M., **Bussmann, R.W.**, Weckerle, C.S. (2013). Medicinal plant use in two Andean communities located at different altitudes in the Bolivar Province, Peru. *Journal of Ethnopharmacology*, 145(2), 450-464.
2. Kunwar, R.M., Mahat, L., Acharya, R.P. **Bussmann, R.W.** Medicinal plants, traditional medicine, markets and management in far-west Nepal. *Journal of Ethnobiology and Ethnomedicine* 9:24.
3. Bhat J.A., Kumar, M., **Bussmann, R.W.** (2013). Ecological status and traditional knowledge of medicinal plants in Kedarnath Wildlife Sanctuary of Garhwal Himalaya, India. *Journal of Ethnobiology and Ethnomedicine*, 9(1).
4. Kumar, M., Sheikh, M.A., **Bussmann, R.W.** (2013). Effect of fire on soil nutrient in Chir pine forest in Garhwal Himalaya, India. *Journal of Acta Ecologica Sinica* 33 (1), 59-63.
5. **Bussmann, R.W.** (in press). East African plant use – differences in plant use between nomadic and agricultural societies. *Scripta Botanica Belgica*.
6. Azahuanche, F.P., Rodríguez Ávalos, F., León Aponte, G., Sharon, D., **Bussmann, R.W.**, Willsky, G.R., Guerrero, G., Willner, K., Castro Dionicio, I. (2012). Estudio fitoquímico y antibacteriano de mezclas de plantas medicinales. En búsqueda de nuevos componentes. - Phytochemical and antibacterial study of medicinal plant mixtures. In search of new components. *Pueblo Continente* 23(32), 339-343.
7. **Bussmann, R.W.**, Paniagua Zambrana, N.Y. (2012). *Axinaea ninakurorum* Bussmann, Paniagua – a new species from the Northern Peruvian Merianeeae hotspot. *Arnaldoa* 19(1).
8. **Bussmann, R.W.**, Paniagua Zambrana, N.Y. (2012). "Facing global markets - Usage changes in Amazonian Palms: the example of *Euterpe precatoria* and *E. oleracea*". *Acta Societatis Botanicorum Poloniae*. 81 (4), 257-261
9. Kumar, M., **Bussmann, R.W.** (2012). Biodiversity and Conservation Biology, In: Raj, A.J., Lal, S.B. (eds.): Forestry: Principles and Applications. Scientific Publishers: Jodhpur, India.
10. Kunwar, R.M., Mahat, L., Sharma, L.N., Shrestha, K.P., Kominee, H., **Bussmann, R.W.** (2012). Underutilized Plant Species in Far-West Nepal – A Valuable Resource Being Wasted. *Journal of Mountain Science* 9:589-600.
11. Kumar, P., Kumar, M., **Bussmann, R.W.** (2012). Isolation and spectral characterization of a new biazurone from *Pongamia pinnata* (L.) Merr. (Fabaceae) pods. *Journal of Medicinal Plants Research* 6(40): 5385-5387.
12. Quiroga R., Meneses L., **Bussmann, R.W.** (2012). Medicinal ethnobotany in Huacareta (Chiquisaca, Bolivia). *Journal of Ethnobiology and Ethnomedicine* 8:29.
13. **Bussmann, R.W.** A Tribute to Richard E. Schultes. (2012). In: Ponman, B., Bussmann R.W. (eds.): Medicinal plants and the legacy of Richard E. Schultes. Proceedings of the Botany 2011 Richard E Schultes Symposium. William L. Brown Center, MBG, St. Louis, vii-xi.
14. **Bussmann, R.W.** I Know Every Tree in the Forest: Reflections on the Life and Legacy of Richard Evans Schultes (2012). In: Ponman, B., Bussmann R.W. (eds.): Medicinal plants and the legacy of Richard E. Schultes. Proceedings of the Botany 2011 Richard E Schultes Symposium. William L. Brown Center, MBG, St. Louis, 13-22.
15. **Bussmann, R.W.**, Paniagua Zambrana, N. (2012). Traditional knowledge in a changing world - new insights from the Chacobo in Bolivia. In: Ponman, B., Bussmann R.W. (eds.): Medicinal plants and the legacy of Richard E. Schultes. Proceedings of the Botany 2011 Richard E Schultes Symposium. William L. Brown Center, MBG, St. Louis, 23-34.
16. **Bussmann, R.W.**, Glenn, A. (2011). Mending the heart. Plants used in Peruvian ethnomedicine for heart disease, blood pressure irregularities and cholesterol control. *Arnaldoa* 18(1).
17. **Bussmann, R.W.**, Glenn, A. (2011). Traditional medicinal plants used in Northern Peru for kidney problems and urinary infections. *Arnaldoa* 18(2).
18. Sheikh, M.A., Kumar, M., Todaria N.P., **Bussmann, R.W.** (2011). Forest carbon stocks and fluxes in physiographic zones of India. *Carbon Balance and Management* 6(15).
19. **Bussmann, R.W.**, Glenn, A. (2011). Traditional knowledge for modern ailments – plants used for the treatment of diabetes and cancer in Northern Peru. *Journal of Medicinal Plant Research* 5(31), 6916-6930.
20. Vandebroek, I., Reyes-Garcia, V., de Albuquerque, U.P., **Bussmann, R.W.**, Pieroni, A. (2011). Local knowledge: who cares? *Journal of Ethnobiology and Ethnomedicine* 7:35.
21. Kumar, M., Sheikh, M.A., **Bussmann, R.W.** (2011). Ethnomedicinal and ecological status of plants in Garhwal Himalaya, India. *Journal of Ethnobiology and Ethnomedicine* 7:32.
22. **Bussmann, R.W.**, Swartzinsky, P., Worede, A., Evangelista, P. (2011). Plant use in Odo-Bulu and Demaro, Bale region, Ethiopia. *Journal of Ethnobiology and Ethnomedicine* 7:28.

23. **Bussmann, R.W.** (2011). "I know every tree, every single tree one can see..." – The life and legacy of Richard E. Schultes. *Plant Science Bulletin* 57(2) 66-69.
24. **Bussmann, R.W.**, Malca, G., Glenn, A., Sharon, D., Nilsen, B., Parris, B., Dubose, D., Ruiz, D., Saleda, J., Martinez, M., Carillo, L., Walker, K., Kuhlman, A., Townesmith, A. (2011). Toxicity of medicinal plants used in Northern Peru. *Journal of Ethnopharmacology* 137: 121-140.
25. **Bussmann, R.W.**, Glenn, A. (2011). Fighting infections – medicinal plants used in Northern Peru for the treatment of bacterial and fungal infections and inflammation symptoms. *Journal of Medicinal Plant Research* 5(8):1297-1304.
26. Kumar, M., **Bussmann, R.W.**, Mukesh, J., Kumar, P. (2011). Ethnomedicinal uses of plants close to rural habitation in Garhwal Himalayan, India. *Journal of Medicinal Plant Research* 5(11) 2252-2260.
27. **Bussmann, R.W.**, Glenn, A. (2011). Fighting pain. Traditional Peruvian remedies for the treatment of Asthma, Rheumatism, Arthritis and sore bones. *Indian Journal of Traditional Knowledge*: 10(3) 397-412.
28. **Bussmann, R.W.**, Glenn, A., Sharon, D., Chait, G., Díaz, D., Pourmand, K., Jonat, B., Somogy, S., Guardado, G., Aguirre, C., Meyer, K., Rothrock, A., Townesmith, A. (2011). Antibacterial activity of Northern Peruvian medicinal plants. *Ethnobotany Research and Application* 9: 67-96.
29. Laurance, W.F., Useche, C.D., Shoo, L.P., Herzog, S.K., Kessler, M., Escobar, F., Brehm, G., Axmacher, J.C., Chen, I.C., Arellano Gámez, L., Hietz, P., Fiedler, K., Pyrcz, T., Wolf, J., Merkord, C.L., Cardelus, C., Marshall, A., Ah-Peng, C., Aplet, G.H., Coro Arizmendi, M. del, Baker, W.J., Barone, J., Brühl, C.A., **Bussmann, R.W.**, Cicuzza, D., Eilu, G., Favila, M.E., Hietz, P., Hemp, A., Hemp, C., Homeier, J., Huey, R.B., Hurtado, J., Jankowski, J., Kattán, G., Kluge, J., Krömer, T., Lees, D., Lehnert, M., Longino, J.T., Lovett, J., Martin, P.H., Patterson, B., Pearson, R., Peh, K.S.-H., Richardson, B., Richardson, M., Samways, M., Feyera Senbeta, F., Smith, T.B., Tim Utteridge, T., Watkins, J.E., Wilson, R., Williams, S.E., Thomas, C.D. (2011). Global warming and the vulnerability of tropical biota: Where do the thermal specialists live? *Biological Conservation* 144: 548–557.
30. **Bussmann, R.W.**, Glenn, A. (2010). Plants used for the treatment of gastro-intestinal ailments in Northern Peruvian ethnomedicine. *Arnaldoa* 17(2), 255-270.
31. **Bussmann, R.W.**, Glenn, A. (2010). Peruvian medicinal plants for the treatment of liver and gallbladder ailments. *Arnaldoa* 17(2), 243-253.
32. **Bussmann, R.W.**, Glenn, A. (2010). Traditional Peruvian medicine for the treatment of respiratory disorders. *Revista Peruana de Biología* 17(2): 331-346.
33. Kunwar, R.M., Shrestha, K.P., **Bussmann, R.W.** (2010). Traditional herbal medicine in Far-west Nepal: a pharmacological appraisal. *Journal of Ethnobiology and Ethnomedicine* 6:35.
34. Joshi, M., Kumar, M., **Bussmann, R.W.** (2010). Ethnomedicinal uses of plant resources of the Haigad watershed in Kumaun Himalaya. *Medicinal and Aromatic Plant Science and Biotechnology* 4 (special issue 1): 43-46.
35. Kunwar, R.M., Burlakoti, C., Chowdhary, C.L., **Bussmann, R.W.** (2010). Medicinal Plants in Farwest Nepal: Their Indigenous Uses and Pharmacological Validity. *Medicinal and Aromatic Plant Science and Biotechnology* 4 (special issue 1): 28-42.
36. Hennig L., Malca-García G., Giannis A., **Bussmann R.W.** (2010). New constituents of *Baccharis genistellioides* (Lam.) Pers. *Archive for Organic Chemistry* (vi): 74-82.
37. **Bussmann, R.W.**, Malca, G., Glenn, A., Sharon, D., Chait, G., Díaz, D., Pourmand, K., Jonat, B., Somogy, S., Guardado, G., Aguirre, C., Meyer, K., Rothrock, A., Townesmith, A., Effio-Carbajal, J., Frías-Fernandez, F., Benito, M. (2010). Minimum inhibitory concentration of medicinal plants used in Northern Peru as antibacterial remedies. *Journal of Ethnopharmacology* 132: 101-108.
38. Njoroge, G.N., Gemmill, B., **Bussmann, R.W.**, Newton, L.E., Ngumi, V.M. (2010). Diversity and efficiency of wild pollinators of watermelon (*Citrullus lanatus* (Thunb.) Mansf.) at Yatta (Kenya). *Journal of Applied Horticulture* 12(1): 35-41.
39. **Bussmann, R.W.**, Glenn, A. (2010). Medicinal plants used in Northern Peru for reproductive problems and female health. *Journal of Ethnobiology and Ethnomedicine* 6(30).
40. Lozano, P., Kueppers, M., **Bussmann, R.W.** (2010). Plant Diversity on Parámo and Andean Elfin Forest in Podocarpus National Park Loja, Ecuador. *Arnaldoa* 17(2): 193-202.
41. **Bussmann, R.W.**, Gruhn, J., Glenn, A. (2010). *Axinaea fernando-cabiesii* and *A. reginae* spp. nov. (Melastomataceae) from upper Amazonia of Peru, with notes on the conservation status of *A. flava*. *Nordic Journal of Botany* 28: 518-522.
42. **Bussmann, R.W.**, Sharon, D., Glenn, A. (2010). Healing the body, healing the soul. Traditional remedies for "magical" ailments, nervous system and psychosomatic disorders in Northern Peru. *African Journal of Pharmacy and Pharmacology* 4(9):580-629.

43. **Bussmann, R.W.**, Glenn, A., Sharon, D. (2010). Antibacterial activity of medicinal plants of Northern Peru – can traditional applications provide leads for modern science? *Indian Journal of Traditional Medicine* 9(4): 742-753.
44. **Bussmann, R.W.**, Glenn, A. (2010). Cooling the heat - Traditional remedies for malaria and fever in Northern Peru. *Ethnobotany Research and Application* 8, 125-134.
45. **Bussmann, R.W.**, Glenn, A., Meyer, K., Rothrock, A., Townesmith, A. (2010). Herbal mixtures in traditional medicine in Northern Peru. *Journal of Ethnobiology and Ethnomedicine* 6(10).
46. **Bussmann, R.W.**, Sharon, D. (2010). Nombrando un fantasma: La búsqueda de la identidad de *Ulluchu*, una planta ceremonial no identificada de la cultura Moche en el norte de Perú. In: Galvez, C (ed): Medicina Tradicional Conocimiento Milenario. Serie Antropología No 1-2009, 171-182. Museo de Arqueología, Antropología e Historia, Facultad de Ciencias Sociales, Universidad Nacional de Trujillo.
47. Sharon, D., Glass-Coffin, B., **Bussmann, R.W.** (2010). La mesa de Julia Calderón de Ávila. In: Galvez, C (ed): Medicina Tradicional Conocimiento Milenario. Serie Antropología No 1-2009, 245-254. Museo de Arqueología, Antropología e Historia, Facultad de Ciencias Sociales, Universidad Nacional de Trujillo.
48. **Bussmann, R.W.**, Sharon, D. (2010). From collection to market and cure – an interdisciplinary study of traditional plant use in Northern Peru. Albuquerque, U.P. and Hanazaki, N. (Eds). Recent Developments and Case Studies in Ethnobotany. Recife, Brazil: Brazilian Society of Ethnobiology and Ethnoecology (SBEE)/ Publication Group of Ecology and Applied Ethnobotany (NUPEEA). 288p; pp. 184-207.
49. Lozano, P., **Bussmann, R.W.**, Cleef, A. (2009). Phytogeography of the Vascular Páramo Flora of Podocarpus National Park, South Ecuador. *Arnaldoa* 16(2), 69 - 85.
50. **Bussmann, R.W.** (2010). Moore, Bergwälder und Schamanen – eine Botanikerkarriere vom Allgäu über Afrika und Hawaii nach Missouri. In *Vdbiol: Perspektiven – Berufsbilder von und für Biologen, Biowissenschaftler und andere Naturwissenschaftler*, 28-29.
51. **Bussmann, R.W.**, Sharon, D., Diaz, D., Cardenas, R., Chait, G., Castro, M., Regalado, S., Del Toro C., R., Malca G., G., Perez A, F., Glenn, A. (2009). Antibacterial activity of medicinal plant species in Northern Peru. *Arnaldoa* 16(1), 93-103.
52. **Bussmann, R.W.**, Sharon, D., Castro, M., Cardenas, R., Chait, G., Regalado, S., Del Toro C., R., Malca G., G., Perez A, F., Glenn, A. (2009). Phyto-Chemical Analysis of Peruvian Medicinal Plants. *Arnaldoa* 16(1), 105-110.
53. Restrepo, C., Walker, L.R., Shiels, A.B., **Bussmann, R.W.**, Claessens, L., Fisch, S., Lozano, P., Negi, G., Paolini, L., Poveda, G., Ramos-Scharrón, C., Richter, M., Velázquez, E. (2009). Landsliding and its multi-scale influence on mountainscapes. *BioScience* 59(8), 685-698.
54. **Bussmann, R.W.**, Sharon, D., Garcia, M. (2009). From Chamomile to Aspirin? Medicinal Plant use among clients at Laboratorios Beal in Trujillo, Peru. *Ethnobotany Research and Applications* 7: 399-407.
55. Kunwar, R.M., **Bussmann, R.W.** (2009). Medicinal, Aromatic and Dye Plants of Baitadi and Darchula Districts, Nepal Himalaya: status, uses and management. In: Hartmann, M., J. Weipert: Biodiversität, Naturschutz im Himalaya, Bd. III, p. 475-489, Erfurt.
56. Sheikh, M.A., Kumar, M., **Bussmann, R.W.** (2009). Altitudinal variation in soil organic carbon stock in *Pinus roxburghii* and *Quercus leucotrichophora* forests in Garhwal Himalayas. *Carbon Balance and Management* 4:6.
57. **Bussmann, R.W.**, Sharon, D. (2009). Markets, Healers, Vendors, Collectors, – the sustainability of medicinal plant use in Northern Peru. *Mountain Research and Development* 29(2): 128-134.
58. Njoroge, G.N., **Bussmann, R.W.** (2009). Ethnotherapeutic management of Sexually Transmitted Diseases (STDs) and reproductive health conditions in Central Province, Kenya. *Indian Journal of Traditional Knowledge* 8(2), 262-269.
59. **Bussmann, R.W.**, Sharon, D. (2009). Naming a phantom – the quest to find the identity of *Ulluchu*, an unidentified ceremonial plant of the Moche culture in Northern Peru. *Journal of Ethnobiology and Ethnomedicine* 5(8).
60. **Bussmann, R.W.**, Téllez, C., Glenn, A. (2009). *Plukenetia huayllabambana* (Euphorbiaceae) – a new useful species from the Upper Amazon of Peru *Nordic Journal of Botany* 27: 313-315 .
61. **Bussmann, R.W.**, Sharon, D. (2009). Shadows of the colonial past – diverging plant use in Northern Peru and Southern Ecuador. *Journal of Ethnobiology and Ethnomedicine* 5(4).
62. Kunwar, R.M., Upreti Y., Burlakoti, C., Chowdhary, C.L., **Bussmann, R.W.** (2009) Indigenous use and ethnopharmacology of medicinal plants in Far-west Nepal. *Ethnobotany Research and Application* 7, 5-28.
63. Kuwar, R.M., Chowdhary, C.L., **Bussmann R.W.** (2008). Diversity, utilization and management of medicinal plants in Baitadi and Darchula districts, farwest Nepal. *The Initiation* 2(1): 157-164.

64. **Bussmann, R.W.**, Barocio, Y., Díaz P., D., Sharon, D. (2008). Peruvian Plants Canchalagua (*Schkuhria pinnata* (Lam.) Kuntze), Hercampuri (*Gentianella alborosea* (Gilg.) Fabris), and Corpus Way (*Gentianella bicolor* (Wedd.) J. Pringle) prove to be effective in the treatment of acne. *Arnaldoa* 15(1): 149-152.
65. Kunwar, R.M., **Bussmann, R.W.** (2008). Ethnobotany in the Nepal Himalaya: a review. *Journal of Ethnobiology and Ethnomedicine* 4:24.
66. **Bussmann, R.W.**, Sharon, D., Ly, J. (2008). From garden to market? The cultivation of native and introduced medicinal plant species in Cajamarca, Peru and implications habitat conservation. *Ethnobotany Research and Application* 6: 351-361.
67. Kiefer, S., **Bussmann, R.W.** (2008). The potential energy demand and challenges for forest management in the Kakamega area, W-Kenya. *Ethnobotany Research and Application* 6: 353-371.
68. **Bussmann, R.W.**, Sharon, D., Perez, F., Díaz, D., Ford, T., Rasheed, T., Silva, R. (2008). Antibacterial activity of Northern-Peruvian Medicinal Plants - a low cost laboratory approach to assess biological activity. *Arnaldoa* 15(1): 127-148.
69. **Bussmann, R.W.** (2008) William L. Brown Center for Plant Genetic Resources. *Mountain Forum Bulletin* July 2008, 52-53.
70. Lozano, P., **Bussmann, R.W.**, Kueppers, M., Lozano, D. (2008). La flora pionera de derrumbos naturales en ecosistemas montanos al occidente del Parque Nacional Podocarpus (Ecuador). *Caldasia* 30(1): 1-19.
71. Revene, Z., **Bussmann R.W.**, Sharon, D. (2008). From Sierra to Coast: Tracing the Supply of Medicinal Plants in Northern Peru – a plant collector's tale. *Ethnobotany Research and Application* 6: 15-22.
72. Richter, M., Diertl, K.-H., Peters, T., **Bussmann, R.W.** (2008). Timberline features and structures within the subpáramo vegetation belt of Southern Ecuador. *Ecological Studies* 198, 123-136.
73. **Bussmann, R.W.**, Wilcke, W., Richter, M. (2008). The importance of landslides for the dynamics of the vegetation and the maintenance of the high biodiversity in Southern Ecuador. *Ecological Studies* 198, 319-330.
74. **Bussmann, R.W.** (2008). Moore, Bergwälder und Schamanen – eine Botanikerkarriere vom Allgäu über Afrika und Hawaii nach Missouri. In *Vdbiol: Perspektiven – Berufsbilder von und für Biologen, Biowissenschaftler und weitere Naturwissenschaftler*, 28-29.
75. Rodriguez R., E.F., **Bussmann, R.W.**, Arroyo A., S.J., López M., S.E., Briceño R., J. (2007). *Capparis scabrida* (Capparaceae) una especie del Norte del Perú y Sur del Ecuador que necesita conservación urgente. *Arnaldoa* 14(2): 269-282.
76. Lozano, P.; **Bussmann R.W.**, Kueppers, M. (2007). Regeneración Pionera en Deslizamientos de Tierra producidos por Perturbaciones Antropogénicas Junto a carreteras, en la Zona de Amortiguamiento del Parque Nacional Podocarpus, Ecuador. *Cinchona* 8 (1) 126-135.
77. **Bussmann, R.W.**, Sharon, D., Vandebroek, I., Jones, A., Revene, Z. (2007). Health for sale: The medicinal plant markets in Trujillo and Chiclayo, Northern Peru. *Journal of Ethnobiology and Ethnomedicine* 3:37.
78. Lozano, P., **Bussmann, R.W.**, Kueppers, M. (2007). Regeneración pionera en derrumbos producidas por perturbaciones antropogénicas junto a carreteras, en la zona de amortiguamiento del Parque Nacional Podocarpus, Ecuador. - Anthropogenic disturbances producing "landslides"; pioneer plant regeneration analysis in roads at the buffer zone of Podocarpus National Park, Ecuador. *Mutisia*.
79. Lozano, P., **Bussmann, R.W.**, Kueppers, M. (2007). Diversidad Florística del Bosque Montano y su Influencia en la Flora Pionera en Deslizamientos Naturales en el Occidente del Parque Nacional Podocarpus al Sur del Ecuador. *Revista Científica UDO Agrícola* 7(1).
80. Lozano, P., **Bussmann, R.W.**, Kueppers, M. (2007). A Checklist of pioneer plant regeneration on natural and anthropogenic landslides on the eastern side of Podocarpus National Park-Southern Ecuador. *Redesma* 1(2).
81. Verma, A., Kumar, M., **Bussmann, R.W.** (2007). Medicinal plants in an urban environment: The medicinal flora of Banares Hindu University, Varanasi, Uttar Pradesh. *Journal of Ethnobiology and Ethnomedicine*. 3:35.
82. Lozano, P., **Bussmann, R.W.**, Kueppers, M. (2007). Influencia de los bosques montanos como regeneradores de áreas antropicas perturbadas - The role of montane forests as source for the regeneration of anthropogenically disturbed areas. *Arnaldoa* 14(1).
83. Njoroge, G.N., **Bussmann, R.W.** (2007). Ethnotherapeutic management of skin diseases among the Kikuyus of Central Kenya. *Journal of Ethnopharmacology* 111: 303-307.
84. **Bussmann, R.W.**, Sharon, D., Lopez, A. (2007). Blending Traditional and Western Medicine: Medicinal plant use amongst patients at Clinica Anticona in El Porvenir, Peru. *Ethnobotany Research and Application* 5: 185-199.
85. Njoroge, G.N., **Bussmann, R.W.** (2006). Traditional management of Ear, Nose and Throat (ENT) diseases in Central Kenya. *Journal of Ethnobiology and Ethnomedicine* 2:54.

86. **Bussmann, R.W.** (2006). Manteniendo el balance de naturaleza y hombre: La diversidad florística andina y su importancia por la diversidad cultural – ejemplos del Norte de Perú y Sur de Ecuador. *Arnaldoa* 13(2): 382-397.
87. Sharon, D., **Bussmann, R.W.** (2006). Avances de la etnobotánica en Trujillo, Peru: El programa MHIRT. *Arnaldoa* 13(2): 398-406.
88. **Bussmann, R.W.**, Sharon, D. (2006). Traditional plant use in Northern Peru: Tracking two thousand years of health culture. *Journal of Ethnobiology and Ethnomedicine* 2:47.
89. Skoczen, S., **Bussmann, R.W.** (2006). Olorien - A package for Journal creation and management. *Lyonia* 11(2): 61-70.
90. Skoczen, S., **Bussmann, R.W.** (2006). ebDB - an International Ethnobotany Database. *Lyonia* 11(2): 71-81.
91. **Bussmann, R.W.**, Sharon, D. (2006). Traditional plant use in Southern Ecuador. *Journal of Ethnobiology and Ethnomedicine* 2:44.
92. Njoroge, G.N., **Bussmann, R.W.** (2006). Ethnoveterinary practices in Central Kenya: Plants and their uses in managing diseases of livestock. *Journal of Ethnopharmacology* 108: 332-339.
93. **Bussmann, R.W.** (2006). Ethnobotany of the Samburu of Mt. Nyiru, South Turkana, Kenya. *Journal of Ethnobiology and Ethnomedicine* 2:35.
94. Kunwar, R.M., Nepal, B.K., Kshetri, H.B., Rai, S.K., **Bussmann, R.W.** (2006). Ethnomedicine in Himalaya: a case study from Dolpa, Humla, Jumla and Mustang districts of Nepal. *Journal of Ethnobiology and Ethnomedicine* 2:27.
95. **Bussmann, R.W.**, Gilbreath, G.G., Lutura, M., Lutuluo, R., Kunguru, K., Wood, N., Mathenge, S. (2006). Plant use of the Maasai of Sekenani Valley, Maasai Mara, Kenya. *Journal of Ethnobiology and Ethnomedicine* 2:22.
96. Njoroge, G.N., **Bussmann, R.W.** (2006). Phytotherapeutic management of malaria in the central highlands of Kenya. *Journal of Ethnobiology and Ethnomedicine* 2:8.
97. Kunwar, R.M., **Bussmann, R.W.** (2006). *Ficus* (Fig) species in Nepal: a review of diversity and indigenous uses. *Lyonia* 11(1), 85-97.
98. **Bussmann, R.W.** (2006). Vegetation zonation and nomenclature of African Mountains - An overview. *Lyonia* 11(1), 41-66.
99. Sharon, D., **Bussmann, R.W.** (2006). MIRT and the Ethnobotany in Trujillo, Peru. MIRT y la Etnobotánica en Trujillo. *Lyonia* 10(2): 91-104.
100. **Bussmann, R.W.** (2006). Andean floristic diversity and its importance for cultural diversity - examples from Northern Peru and Southern Ecuador. La diversidad florística andina y su importancia por la diversidad cultural – ejemplos del Norte de Peru y Sur de Ecuador. *Lyonia* 10(2): 19-36.
101. Lozano, P., **Bussmann, R.W.**, Kueppers, M. (2006). Importancia e implicación de los derrumbos como perturbadores de ecosistemas al Sur de Ecuador. *Lyonia* 9(1): 75-81.
102. Sharon, D., **Bussmann, R.W.** (2006). Plantas Medicinales en la Obra del Obispo Don Baltasar Jaime Martínez Compagnon (Siglo XVIII). In: Millones, L., Kato, T. (Eds.). Desde el exterior: El peru y sus estudios. Tercer Congreso Internacional de Peruanistas, Nagoya, 2005. UNMSM, 147-165.
103. **Bussmann, R.W.** (2005). Bosques Andinos del Sur de Ecuador - Clasificación, Regeneración y uso. Andean Forests of Southern Ecuador, classification, regeneration and use. *Revista Peruana de Biología* 12(2): 203-216.
104. Lozano, P., **Bussmann, R.W.** (2005). Importancia de los deslizamientos en el Parque Nacional Podocarpus, Loja-Ecuador. Importance of landslides in Podocarpus National Park, Loja, Ecuador. *Revista Peruana de Biología* 12(2): 195-202.
105. Fonge B. A., Yinda G.S., Focho D.A., Fongod A.G.N., **Bussmann R.W.** (2005). Vegetation and soil status on an 80 year old lava flow of Mt. Cameroon, West Africa. *Lyonia* 8(1): 17-39.
106. Lozano, P., **Bussmann, R.W.**, Kueppers, M. (2005). Landslides as ecosystem disturbance - their implications and importance in South Ecuador. *Lyonia* 8(1): 65-71.
107. Cotton, C., **Bussmann, R.W.**, Lozano, P. (2004). New Ecuadorian Species of *Axinaea* (Melastomataceae). *Nordic Journal of Botany* 23: 49-55.
108. Ohl, C., **Bussmann, R.W.** (2004). Recolonisation of natural landslides in tropical mountain forests of Southern Ecuador. *Feddes Repertorium* 115(3-4), 248-264.
109. Njoroge, G.N., Gemmill, B., **Bussmann, R.**, Newton, L.E., Ngumi, V.W. (2004). Pollination Ecology of *Citrullus lanatus* at Yatta, Kenya. *Int. J. Trop. Insect Sci.* 24(1): 73-77.
110. **Bussmann, R.W.** (2004). Regeneration and succession patterns in African, Andean and Pacific Tropical Mountain Forests: The role of natural and anthropogenic disturbance. *Lyonia* 6(1), 98-111.
111. Kiefer, S., **Bussmann, R.W.** (2004). The meaning of regeneration strategies and anthropogenic influence for the forest expansion in East African montane forest ecosystems – a modeling approach.

Lyonia 6(2) 161-169.

112. Njoroge, G.N., Barbara, G., **Bussmann, R.W.**, Newton, L.E., Ngumi V.W. (2004). Utilization of weed species as source of traditional medicines in Central Kenya: Optimizing resource efficiency (R.U.E.) in agro-ecosystems. *Lyonia* 7(2), 71-87.
113. Uday, V., **Bussmann, R.W.** (2004). Distribución Florística del bosque de neblina montano en la Reserva Tapichalaca, Cantón Palanda. – Floristic distribution in two plots in the cloud forest of Reserva Tapichalaca, Canton Palanda. *Lyonia* 7(1), 91-98.
114. **Bussmann, R.W.** (2004). Moore, Bergwälder und Schamanen – eine Botanikerkarriere vom Allgäu über Afrika nach Hawaii. In *Vdbiol: Perspektiven – Berufsbilder von und für Biologen*, 28-29.
115. Onyango, J.C., Nyunja, R.A.O., **Bussmann, R.W.** (2004). Conservation of biodiversity in the East African Tropical Forest. *Lyonia* 7(2), 151-157.
116. **Bussmann, R.W.** (2004) Diversity and use potential of montane forest ecosystems in Kenya. Biodiversity in conversion: The influence of fragmentation and disturbance on the biodiversity of East African highland rain forests. BIOTA East Africa, Final Report Phase I (2001-2004), 151-162.
117. **Bussmann, R.W.** (2003). Los bosques montaños de la Reserva Biológica San Francisco (Zamora-Chinchiipe, Ecuador) – zonación de la vegetación y regeneración natural. *Lyonia* 3(1), 57-72.
118. Gálvez M., J.R., Ordoñez G., O.R., **Bussmann, R.W.** (2003). Estructura del bosque montano perturbado y no-perturbado en el Sur de Ecuador. *Lyonia* 3(1), 83-98.
119. **Bussmann, R.W.** (2003). The vegetation of Reserva Biológica San Francisco, Zamora-Chinchiipe, Southern Ecuador – a phytosociological synthesis. *Lyonia* 3(2), 145-254.
120. Leischner, B., **Bussmann, R.W.** (2003). Mercado y uso de madera en el Sur de Ecuador. *Lyonia* 5(1), 51-60.
121. **Bussmann, R.W.** (2002). Islands in the desert – forest vegetation of Kenya's smaller mountains and highland areas (Nyiru, Ndoto, Kulal, Marsabit, Loroghi, Ndare, Mukogodo, Porror, Mathews, Gakoe, Imenti, Ngaia, Nyambeni, Loita, Nguruman, Nairobi). *Journal of East African Natural History* 91 (1/2), 27-79, appendices 1-7 @ www.naturekenya.org/JournalEANH.htm
122. **Bussmann, R.W.** (2002). Estudio fitosociológico de la vegetación en la Reserva Biológica San Francisco (ECSF), Zamora-Chinchiipe. *Herbario Loja* 8, 1-106.
123. **Bussmann, R.W.** (2002). Regeneration and succession processes in East African Mountain forests – A Review. *Systematics and Geography of Plants* 71(2), 959-974.
124. **Bussmann, R.W.** (2002). Vegetation Ecology and Regeneration of Tropical Mountain Forests. In: *Ambasht, R.S., Ambasht, N.K. Modern Trends in Applied Terrestrial Ecology*, p. 195-223. Kluwer.
125. **Bussmann, R.W.** (2002). Ethnobotany and Biodiversity Conservation. In: *Ambasht, R.S., Ambasht, N.K. Modern Trends in Applied Terrestrial Ecology*, p. 345-362. Kluwer.
126. **Bussmann, R.W.** (2002 CD, 2003 hardcopy). Los bosques montaños de la Reserva Biológica San Francisco (Zamora-Chinchiipe, Ecuador) – zonación de la vegetación y regeneración natural. In: *Bussmann, R.W., Lange, S. (Eds.). Conservación de la Biodiversidad en los Andes y la Amazonía – Conservation of Biodiversity in the Andes and the Amazon, CD: p. 57-70, hardcopy: p. 53-67.*
127. **Bussmann, R.W.** (2002 CD, 2003 hardcopy). The vegetation of Reserva Biológica San Francisco, Zamora-Chinchiipe, Southern Ecuador – a phytosociological synthesis. In: *Bussmann, R.W., Lange, S. (Eds.). Conservación de la Biodiversidad en los Andes y la Amazonía – Conservation of Biodiversity in the Andes and the Amazon, CD: p. 71-176, hardcopy: p. 66-173.*
128. Gálvez M., J.R., Ordoñez G., O.R., **Bussmann, R.W.** (2002 CD, 2003 hardcopy). Estructura del bosque montano perturbado y no-perturbado en el Sur de Ecuador. In: *Bussmann, R.W., Lange, S. (Eds.). Conservación de la Biodiversidad en los Andes y la Amazonía – Conservation of Biodiversity in the Andes and the Amazon, CD: p. 195-208, hardcopy: P. 191-204.*
129. Onyango, J.C., **Bussmann, R.W.**, Onyango, M.O.A. (2002). The university botanic garden, Maseno: a teaching centre for biodiversity management and germplasm conservation. *Proceedings of African Botanic Gardens Congress: "Partnerships and linkages"* Durban Botanic Gardens, South Africa. 24th to 30th November 2002.
130. Leischner, B., **Bussmann, R.W.** (2002 CD, 2003 hardcopy). Mercado y uso de madera en el Sur de Ecuador. In: *Bussmann, R.W., Lange, S. (Eds.). Conservación de la Biodiversidad en los Andes y la Amazonía – Conservation of Biodiversity in the Andes and the Amazon, CD: p. 651-660, hardcopy: p. 615-623.*
131. **Bussmann, R.W.** (2001). Epiphyte diversity in a tropical Andean Forest - Reserva Biológica San Francisco, Zamora-Chinchiipe, Ecuador. *Ecotropica* 7(1-2), 43-60.
132. **Bussmann, R.W.** (2001). The montane forests of Reserva Biológica San Francisco (Zamora-Chinchiipe, Ecuador) – vegetation zonation and natural regeneration *Die ERDE* 132, 11-24.

133. **Bussmann, R.W.** (2001). *Juniperus* forests in Africa – Regeneration Ecology, Destruction and Possibilities for Management. *Proceedings International Symposium: Problem of Juniper Forests: Looking for Solutions, Methods, Techniques, Osh, Kyrgysztan*, 55-64, 65-69 (extended Russian summary).
134. Bytebier, B., **Bussmann, R.W.** (2000, printed 2002) Vegetation of Mount Nyiru (Samburu District, Kenya): A checklist and syntaxonomical survey. *Journal of East African Natural History* 89(1-2) 45-71.
135. **Bussmann, R.W.**, Lange, S.H. (2000, printed 2002). Germination of important East African mountain forest trees. *Journal of East African Natural History* 89(1-2), 101-111.
136. **Bussmann, R.W.** (2004) Diversity and use potential of montane forest ecosystems in Kenya. Biodiversity in conversion: The influence of fragmentation and disturbance on the biodiversity of East African highland rain forests. BIOTA East Africa, Final Report Phase I (2001-2004), 151-162.
137. **Bussmann, R.W.**, Kiefer, S., Njeri, R., Njoroje, G., Mathenge, S., Mutiso, P., Onyango, J. (2001). Montane forest ecosystems in Kenya – Diversity and potential for use. German Program on Biodiversity and Global Change, Report 2001, 170-171.
138. **Bussmann, R.W.** (1999). Growth rates of important East African montane forest trees, with particular reference to those of Mount Kenya. *Journal of East African Natural History* 88(1-2), 69-78.
139. **Bussmann, R.W.**, Lange, S. (1999). Succession and regeneration patterns of East African mountain forests. In: BITÖK (Ed.) Vegetationsökologische, ethnobotanische und -faunistische Beiträge über Äquatorial-Afrika. *Bayreuther Forum Ökologie* 64, 1-16.
140. **Bussmann, R.W.**, Beck, E. (1999). Vegetation units of Mount Kenya Forest Reserve - Comment. In: BITÖK (Ed.) Vegetationsökologische, ethnobotanische und -faunistische Beiträge über Äquatorial-Afrika. *Bayreuther Forum Ökologie* 64, 17-28.
141. **Bussmann, R.W.** (1999). The relation of soil- and vegetation types in the forest belt of Mount Kenya (Kenya). In: BITÖK (Ed.) Vegetationsökologische, ethnobotanische und -faunistische Beiträge über Äquatorial-Afrika. *Bayreuther Forum Ökologie* 64, 29-44.
142. **Bussmann, R.W.** (1999). Notes on the vegetation of Menagesha forest (Shoa Province, Ethiopia). In: BITÖK (Ed.) Vegetationsökologische, ethnobotanische und -faunistische Beiträge über Äquatorial-Afrika. *Bayreuther Forum Ökologie* 64, 105-118.
143. **Bussmann, R.W.** (1999). Ecología de la regeneración, procesos de succession estructura de la vegetación y potencial para el uso sustentable de los bosques nublados de montaña en el sur de Ecuador. Informe de trabajo, INEFAN, Quito, 1-22.
144. **Bussmann, R.W.**, Beck, E. (1998). The plant communities of the forests of Mount Kenya – First Phytosociological and Ecological Data. In: Ojany, F.F. (Ed.): *African Mountains and Highlands – Planning for Sustainable Use of Mountain Resources*, 96-107. Tokyo: United Nations University.
145. **Bussmann, R.W.**, Lange, S. (1998). Expedición Rapido Aseso Cordillera Sabanilla – Inventario florístico. Loja/Quito: ECSF/INEFAN.
146. **Bussmann, R.W.** (1997). The forest vegetation of the Harenná escarpment (Bale Province, Ethiopia) syntaxonomy and phytogeographical affinities. *Phytocoenologia* 27 (1), 1-23.
147. Lange, S.H., **Bussmann, R.W.**, Beck, E. (1997). Ecology and regeneration of the subalpine *Hagenia abyssinica* forests of Mt. Kenya. *Botanica Acta* 110(6), 473-480.
148. Bejár, E., **Bussmann, R.W.**, Roa, C., Sharon, D. (1997). Plantas medicinales de Vilcabamba. Universidad Andina Simon Bolivar, Sede Quito: *Taller de medicinas tradicionales y sistemas no formales de salud 7/97*, 1-12.
149. Bejár, E., **Bussmann, R.W.**, Roa, C., Sharon, D. (1997). Latin American Plant Lore of Vilcabamba. In: Wozniak, D.A., Yuen, S., Garrett, M., Shuman, T.M. (eds.): *International Symposium on Herbal Medicine – A Holistic Approach*, 334-351. San Diego.
150. **Bussmann, R.W.** (1996). The forests of Mount Kenya (Kenya) - Destruction and management of a tropical mountain forest ecosystem. *Ambio* 25 (5), 314-317.
151. **Bussmann, R.W.**, Beck, E. (1995). Regeneration and succession processes in the *Ocotea*-forests (*Ocotetea usambarensis*) of Mount Kenya. *Verhandlungen der Gesellschaft für Ökologie* 24, 35-39.
152. **Bussmann, R.W.**, Beck, E. (1995). The forests of Mount Kenya - A phytosociological synopsis. *Phytocoenologia* 25(4), 467-560.
153. **Bussmann, R.W.**, Beck, E. (1995). Regeneration- and succession processes in the Cedar-Forests (*Juniperion procerae*) of Mount Kenya. *Ecotropica* 1, 79-84.
154. Rödel, M.-O., **Bussmann, R.** (1992). Further data on distribution and Habitat-selection of *Geochelone pardalis babcocki* (BELL 1826), *Pelomoedusa subrufa subrufa* (LACÉPEDE 1788), and *Pelusios sinuatus* (SMITH 1838) in Kenya. *Sauria (E)* 33-37.

155. Rödel, M.-O., **Bussmann, R.** (1992). Weitere Daten zur Verbreitung und Habitatswahl von *Geochelone pardalis babcocki* (BELL 1826), *Pelomedusa subrufa subrufa* (LACÉPEDE 1788) und *Pelusios sinuatus* (SMITH 1838) in Kenia. *Sauria* 14 (2), 33-38.
156. **Bussmann, R.** (1992). Die Laubener Brunnen. (The springs at Lauben). *Leutkircher Blickpunkte - Landschaft und Natur*, 152-157.
157. Rödel, M.-O., **Bussmann, R.** (1990). Die Amphibien und Reptilien der Julischen Alpen (Amphibians and Reptiles of the Julian Alps). *Sauria* 12 (4), 15-21.
158. Rödel, M.-O., **Bussmann, R.**, Kaupp, A. (1989). Beitrag zur Biotopwahl von *Ophiomorus punctatissimus* (BIBRON, BORY 1833) (Habitat selection of *Ophiomorus punctatissimus* (BIBRON, BORY 1833)). *Sauria* 11 (1), 27-30.
159. **Bussmann, R.** (1988). Die Orchideen des Meßtischblattes 8225 Kisslegg (The Orchid Flora of topographic map 8225 – Kisslegg). *Mitteilungen des Arbeitskreises Heimische Orchideen Baden-Württemberg* 20 (3), 519-609.
160. **Bussmann, R.** (1987). Feldgehölze im Bereich Leutkirch - Land. (Hedges in the surroundings of Leutkirch). *Mitteilungen des Naturwissenschaftlichen Arbeitskreises der Vhs Leutkirch* 3, 1-100.
161. **Bussmann, R.**, Rieks, R. (1985). Orchideenkartierung auf den Meßtischblättern 8126 (Leutkirch-Ost) und 8225 (Kisslegg) (Orchid mapping on the topographic maps 8126 (Leutkirch-Ost) und 8225 (Kisslegg)). *Mitteilungen des Arbeitskreises Heimische Orchideen Baden-Württemberg* 17 (2), 186-303.
162. **Bussmann, R.**, Rieks, R. (1985). Orchideenkartierung auf den Meßtischblättern 8225 Kisslegg und 8126 Leutkirch-Ost. (Orchid mapping on the topographical maps 8225 Kisslegg und 8126 Leutkirch-Ost.) *Mitteilungen des Naturwissenschaftlichen Arbeitskreises der Vhs Leutkirch* 2, 1-100.
163. **Bussmann, R.** (1984). Pflegemaßnahmen im Taufach-Fetzach Moos, Herbst 1984. (Restoration measures in the Taufach-Fetzach bog complex, fall 1984). *Unsere Natur* 3, 65-68.
164. **Bussmann, R.** (1984). Das Argenseeried bei Gebrazhofen und seine Umgebung. (The Argensee bog near Gebrazhofen and its surroundings). *Mitteilungen des Naturwissenschaftlichen Arbeitskreises der Vhs Leutkirch* 1, 11-51.
165. **Bussmann, R.** (1984). Methodik der Orchideenkartierung des Naturwissenschaftlichen Arbeitskreises. (Orchid mapping manual for the Natural Science Circle Leutkirch). *Mitteilungen des Naturwissenschaftlichen Arbeitskreises der Vhs Leutkirch* 1, 52-55.
166. **Bussmann, R.** (1984). Bisherige Orchideenkartierung auf dem Meßtischblatt 8225 Kisslegg. (Current state of the orchid mapping on topographic map sheet 8225 Kisslegg). *Mitteilungen des Naturwissenschaftlichen Arbeitskreises der Vhs Leutkirch* 1, 56-65.
167. **Bussmann, R.** (1983). Der Naturwissenschaftliche Arbeitskreis an der Volkshochschule Leutkirch. (The Natural Science Circle Leutkirch). *Unsere Natur* 2, 3.
168. **Bussmann, R.** (1983). Eine Woche am Naturkundlichen Museum in Ludwigsburg. (One week at the Museum of Natural History, Ludwigsburg). *Unsere Natur* 2, 4-5.
169. **Bussmann, R.** (1983). Das Gebiet um dem Praßberger Bauhof. (The area of the Prassberger Bauhof). *Unsere Natur* 2, 6-12.
170. **Bussmann, R.** (1982). Pflanzenkartierungen um Gebrazhofen. (Plant mapping around Gebrazhofen). *Unsere Natur* 1, 3-16.

MANUSCRIPTS IN REVIEW:

1. Verma, A., Shukla A.V., **Bussmann, R.W.** Traditional uses of some important Medicinal Plants against Skin Infections: A Review Article. *Journal of Ethnobiology and Ethnomedicine*.
2. **Bussmann R.W.**, Hennig L. Giannis A., Kutchan, T. Anthraquinones in Noni preparations.
3. Ghorbani, A., **Bussmann, R.W.**, Arazzadeh, Y., Sauerborn, J. Ethnobotanical study of *Allium paradoxum* (M. Bieb.) G. Don in Northern Iran. *Economic Botany*.
4. Singh, H., Kumar, M., Sheikh, M.A., **Bussmann, R.W.** Change in Soil organic carbon stock and litter production along altitudinal gradients in oak and pine forests in Garhwal Himalaya, India. *Forest Ecology and Management*.
5. Luizza, M.W., Young, H., Kuroiwa, C., Evangelista, P., Worede, A., **Bussmann, R.W.**, Weimer, A. Local knowledge of plants and their uses among women in the Bale Mountains, Ethiopia. *Ethnobotany Research and Application*.
6. **Bussmann, R.W.**, Paniagua Zambrana, N., Vega, C. *Axinaea carolinae-tellezii* (Melastomataceae) – another new species from Northern Peru. *Revista Peruana de Biología*.
7. **Bussmann, R.W.** *Blakea nareliana* (Melastomataceae) – a new species from the upper Huallaga in Northern Peru. *Revista Peruana de Biología*.

8. **Bussmann, R.W.**, Paniagua Zambrana, N., Tellez, C. *Plukenetia carolis-vegae* (Euphorbiaceae) – a new useful species from Northern Peru. *Economic Botany*.
9. **Bussmann, R.W.**, Paniagua Zambrana, N., Rivas Chamorro, M., Molina Moreira, N., Cuadros Negri, M.L., Olivera, J. Peril in the market – classification and dosage of species used as anti-diabetics in Lima, Peru. *Journal of Ethnobiology and Ethnomedicine*.
10. Paniagua-Zambrana, N., Cámara-Leret, R., **Bussmann, R.W.**, Macía, M.J. The influence of socioeconomic factors in the conservation of traditional knowledge: a cross scale comparison of palm use patterns in Northwestern South America. *Ecology and Society*.
11. Rabearivony, A.D.N., Razafiarison, Z.L., Raharimalala, F., Rakotoarivony, F., Randrianarivony, T., Rakotoarivelo, N., Randrianasolo, A., Kuhlman, A., **Bussmann, R.W.** Endemic medicinal plants known by men at Ambalabe, Madagascar. *Journal of Ethnobiology and Ethnomedicine*.
12. Razafindraibe, H. M., Razafiarison, Z.L., Raharimalala, F., Rakotoarivony, F., Randrianarivony, T., Rakotoarivelo, N., Randrianasolo, A., Kuhlman, A., **Bussmann, R.W.** Endemic medicinal plants known by women at Mahabo, Madagascar. *Journal of Ethnobiology and Ethnomedicine*.
13. Randriamiharisoa, M.T.N., Razafiarison, Z.L., Raharimalala, F., Rakotoarivony, F., Randrianarivony, T., Rakotoarivelo, N., Randrianasolo, A., Kuhlman, A., **Bussmann, R.W.** Medicinal plants in the market – the example of Antananarivo, Madagascar. *Journal of Ethnobiology and Ethnomedicine*.

BOOKS, BOOKS EDITED, AND CONFERENCE PROCEEDINGS EDITED

1. **Bussmann, R.W.**, Sharon, D. (in preparation). Ethnobotany of Northern Peru.
2. **Bussmann, R.W.**, Sharon, D. (in preparation). Etnobotánica del Nor Peruano.
3. Rakotoarivelo, N.H., Razanatsima, A.A., Rakotoarivony, F., Kuhlman, A., Andriambololona, S., Randrianasolo, A., **Bussmann, R.W.** (in press). Guide de plantes d'Ambalabe – Vol. 1. William L. Brown Center, MBG, St. Louis. (ISBN-13: 978-0-9848415-7-8).
4. Monigatti, M., Vega, C., Tellez, C., Bussmann, R.W. Plantas medicinales de Uchucmarca. (in press). William L. Brown Center, MBG, St. Louis. (ISBN-13: 978-0-9848415-8-5).
5. Vega, C., Tellez, C., Paniagua Zambrana, N., Bussmann, R.W. (in press). Yo conozco y cuido las palmeras. William L. Brown Center, MBG, St. Louis.
6. Ponman, B., **Bussmann, R.W.** (2012). Medicinal plants and the legacy of Richard E. Schultes. Proceedings of the Botany 2011 Richard E Schultes Symposium. William L. Brown Center, MBG, St. Louis (ISBN-13: 978-0-9848415-2-3).
7. Paniagua Zambrana, N.Y., **Bussmann, R.W.**, Vega, C., Tellez, C., Macía, M.J. (2012). Nuestro conocimiento y uso de las palmeras - una herencia para nuestros hijos. Comunidades Llaquash, San Martín, Peru. William L. Brown Center, MBG, St. Louis (ISBN-13: 978-9848415-3-0).
8. Paniagua Zambrana, N.Y., **Bussmann, R.W.**, Macía, M.J. (2012). El bosque SI tiene valor - el uso de palmeras en las comunidades campesinas e indígenas de la región de Inambari, Madre de Dios, Perú. William L. Brown Center, MBG, St. Louis (ISBN-13: 978-9848415-4-7).
9. Paniagua Zambrana, N.Y., **Bussmann, R.W.**, Vega, C., Tellez, C., Macía, M.J. (2012). Kampanak se usa para el techo pero ya no hay - Uso y conservación de palmeras entre los Awajun, Amazonas, Perú. William L. Brown Center, MBG, St. Louis (ISBN-13: 978-9848415-5-4).
10. Paniagua Zambrana, N.Y., **Bussmann, R.W.**, Macía, M.J. (2012). El conocimientos de nuestros ancestros - los Ese Eja y su uso de palmeras, Madre de Dios, Peru. William L. Brown Center, MBG, St. Louis (ISBN-13: 978-9848415-6-1).
11. Paniagua, N., **Bussmann, R.W.**, Blacutt, E., Macía, M.J. (2012). Conservando nuestros bosques: conocimiento y uso de las palmeras en las comunidades campesinas del norte de Bolivia. La Paz and William L. Brown Center, MBG, St. Louis (ISBN-13: 978-9848415-1-6).
12. **Bussmann, R.W.**, Paniagua Zambrana, N. (2011). La etnobotánica de los Chacobo: Traducción de "Boom, B. – The Ethnobotany of the Chacobo Indians, Beni, Bolivia". William L. Brown Center, MBG, St. Louis .
13. Paniagua Zambrana, N., **Bussmann, R.W.**, Blacutt, E., Macía, M.J. (eds.). (2011). Los Chacobo y las Palmeras. William L. Brown Center, MBG, St. Louis, (ISBN-13: 978-0-9848415-0-9).
14. **Bussmann, R.W.**, Sharon, D. (2007). Plants of the four winds - The magic and medicinal flora of Peru. Plantas de los cuatro vientos - La flora mágica y medicinal del Perú. Arogya, Honolulu. (ISBN-13: 978-0-9789962-3-9).
15. **Bussmann, R.W.**, Sharon, D. (2007). Plants of longevity - The medicinal flora of Vilcabamba. Plantas de longevidad - La flora medicinal de Vilcabamba. Arogya, Honolulu (ISBN-13: 978-0-9789962-2-2).
16. **Bussmann, R.W.** (2007). Noni (*Morinda citrifolia* L.) – Paratiisin lahja. Hamina, Medilife.

17. **Bussmann, R.W.** (2007). Noni (*Morinda citrifolia* L.) – Regalo del Paraiso. Arogya, Honolulu (ISBN-13: 978-0-9789962-0-8).
18. **Bussmann, R.W.** (2006). Noni (*Morinda citrifolia* L.) – A Gift from Paradise. Arogya, Honolulu (ISBN-13: 978-0-9789962-1-5).
19. Lozano, P., **Bussmann, R.W.**, Navarrete, H. (Eds.). (2005). Memorias del II Congreso de Biodiversidad de los Andes y Amazonia y IV Ecuatoriano de Botánica. Universidad Técnica Particular de Loja. Loja-Ecuador.
20. Romero Fernández, L.M., Lucero Mosquera, H., Aguirre Mendoza, Z., Torracchi Carrasco, S., Suárez Calderon, J.P., **Bussmann, R.W.** (Eds.) (2003). II. Congreso de la conservación de la biodiversidad en los Andes y en la Amazonia – IV. Congreso ecuatoriano de botánica, 25-30 de agosto de 2003, Loja, Ecuador. Volumen de resúmenes, 328p, Loja, UTPL.
21. Lozano, P., **Bussmann, R.W.** (2003). Parque Nacional Podocarpus, Ecuador – Derrumbos naturales y la flora pionera. Rapid Color guide #158, The Field Museum, Chicago.
22. **Bussmann, R.W.**, Lange, S. (Eds.) (2002 CD, 2003 hardcopy). Conservación de la Biodiversidad en los Andes y la Amazonía – Conservation of Biodiversity in the Andes and the Amazon, Cusco, 24.-28.09.2001. Memorias del Congreso – Congress Proceedings. CD: 732p, hardcopy 686p., INKA, München (ISBN: 3-936425-00-0).
23. Bejár, E., **Bussmann, R.W.**, Roa, C., Sharon, D. (2002) Medicinal Herbs of Southern Ecuador – Hierbas Medicinales del Sur Ecuatoriano, 340p. San Diego, Latino Herbal Press.
24. **Bussmann, R.W.**, Lange, S. (Eds.) (2001). Conservación de la Biodiversidad en los Andes y la Amazonía – Reuniendo a Científicos, ONGs y Comunidades Locales. Volumen de resúmenes, I. Congreso de Biodiversidad, Cusco, 24.-28.09.01, 131p., INKA, München (ISBN: 3-936425-02-7).
25. **Bussmann, R.W.** (1994). The forests of Mount Kenya (Kenya) - Vegetation, Ecology, Destruction and Management of a tropical mountain forest ecosystem. Dissertation Universität Bayreuth.
26. **Bussmann, R.W.** (1993). The forests of Mount Kenya (Kenya) - A phytosociological approach with special reference to ecological problems. Diplomarbeit, Universität Tübingen, pp. 1-119, 5 tab.

BOOK REVIEWS

1. **Bussmann, R.W.** (2010). Plants of Bastar, Chhattisgarh. Madhu Ramnath. 2006. *Plant Science Bulletin* 56(1) 2010, 46.
2. Áviles-Vázquez, K.R., **Bussmann R.W.** (2009). The Future Control of Food: A Guide to International Negotiations and Rules on Intellectual Property, Biodiversity and Food Security. Tansey G., Rajotte, T. (eds.) *The Professional Geographer*, <http://www.informaworld.com/smp/title%7Edb=all%7Econtent=t788352615%7Etab=issueslist%7Ebranches=61-v6161>, (3) 423-424.
3. **Bussmann, R.W.** (2008). The Mountain Flora of Java. van Steenis, C.G.G.J. (Author), Hamzah, A., Toha, M. (Illustrations). 2007 (2. edition). *Plant Science Bulletin*.
4. **Bussmann, R.W.** (2008). Managing Biodiversity in Agricultural Ecosystems. Jarvis, Devra I., Christine Padoch, and H. David Cooper (eds). *Economic Botany* 62(1), 108.
5. **Bussmann, R.W.** (2007). CRC World Dictionary of Grasses. Umberto Quattrocchi. *Plant Science Bulletin* 53(1), 31-32.
6. **Bussmann, R.W.** (2007). Illustrated Flora of East Texas, Volume I. Diggs, G.M.Jr., Lipscomb, B.L., Reed, M.D., O'Kennon, R.J.. *Plant Science Bulletin* 53(1), 33-34.
7. **Bussmann, R.W.** (2007). Flora generica de los paramos - Guia ilustrada de las plantas vasculares. Sklenar, P., LuteyN, J.L., Ulloa Ulloa, C., Joergensen, P.M., Dillon, M. *Economic Botany* 61(1), 102-103.
8. **Bussmann, R.W.** (2007). Edible Medicines - An Ethnopharmacology of Food. Etkin, N. *Economic Botany* 61(2), 198.
9. **Bussmann, R.W.** (2006) Plant Conservation. An Ecosystem Approach. Hamilton A., Hamilton P. *Economic Botany* 60(4), 392.
10. **Bussmann, R.W.** (2006). *Anadenanthera* - Visionary Plant of Ancient South America. Torres, C.M., Repke, D.B. *Economic Botany* 60(3), 302.
11. **Bussmann, R.W.** (2006). Biodiversity, Ecosystems, and Conservation in Northern Mexico. Cartron, Jean-Luc E., Gerardo Ceballos, Richard S. Felger (Eds.). *Economic Botany* 60(2), 198-199.
12. **Bussmann, R.W.** (2006). Encyclopedic Dictionary of Plant Breeding and Related Subjects. Schlegel, R.H.J. *Phytomedicine* 13(6), 457.
13. **Bussmann, R.W.** (2005). Recent Progress in Medicinal Plants Vol. 5 – Crop Improvement, Production Technology, Trade and Commerce. Govil, J.N., Pandey, J., Shivakumar, B.G., Singh, V.K. (Eds.). *Phytomedicine* 12, 161.

14. **Bussmann, R.W.** (2004). Medicinal Mushrooms – Ancient Remedies for Modern Ailments. Halpern, M.G., Miller, A.H. *Phytomedicine* 11(2-3), 272
15. **Bussmann, R.W.** (2004). Ein Schatz von *Masdevallia*. Eine Monographie der Gattung *Masdevallia* / A Treasury of *Masdevallia*. A Monograph of the Genus *Masdevallia*. Luer, Carlyle A. *Economic Botany* 58(2), 326.
16. **Bussmann, R.W.** (2004). Icones Pleurothallidarum XXII/XIII. Systematics of *Masdevallia* Part Three and Four. Luer, Carlyle A. *Economic Botany* 58(2), 325.
17. **Bussmann, R.W.** (2003). Naturheilpraxis Heute – Lehrbuch und Atlas. Bierbach, E. (Ed.). *Phytomedicine* 10(2-3), 265.
18. **Bussmann, R.W.** (2001). Medicinal plants – Culture, Utilization and Pharmacology. Li, T.S.C. *Phytomedicine* 8(2), 162.

PAPERS PRESENTED AT NATIONAL AND INTERNATIONAL CONFERENCES

1. Paniagua-Zambrana, N., Cámara-Leret, R., **Bussmann, R.W.**, Macía, M.J. The influence of socioeconomic factors in the conservation of traditional knowledge: a cross scale comparison of palm use patterns in Northwestern South America. EUNOPS XIII, 11-12. May 2013, Aarhus.
2. **Bussmann, R.W.**, Paniagua Z, N.Y. (2012). El conocimiento tradicional en un mundo cambiante-nuevos puntos de vista de los Chácobo en Bolivia. Congreso Botánico de Bolivia, La Paz, October 11-15, 2012.
3. **Bussmann, R.W.** (2012). Ética en la etnobiología – La implementación del Protocolo de Nagoya. Congreso Botánico de Bolivia, La Paz, October 11-15, 2012.
4. **Bussmann, R.W.** (2012). Anthraquinone content in Noni (*Morinda citrifolia* L.). 13. International Conference of the International Society for Ethnopharmacology, Graz, Austria, 01.-06.09.2012, 22.
5. Randrianarivony, T., Ramarosandratana, A.V., Jeannoda, H.V., Randrianasolo, A., **Bussmann R.W.** (2012). Knowledge of plants used to heal childhood diseases in Sakaraha (South western of Madagascar). 13. International Conference of the International Society for Ethnopharmacology, Graz, Austria, 01.-06.09.2012.
6. Rakotoarivelo, N.H., Ramarosandratana, A.V., Jeannoda, H.V., Randrianasolo, A., **Bussmann, R.W.** (2012). The importance of traditional medicine in the Ambalabe Rural Commune, Eastern Madagascar. 13. International Conference of the International Society for Ethnopharmacology, Graz, Austria, 01.-06.09.2012.
7. **Bussmann, R.W.** (2012). Una década de etnobotánica en el Norte de Perú – de curanderismo y mercados a bio-ensayos, paleobotánica y consideraciones del Protocolo de Nagoya. Congreso Botánico de Peru, Trujillo, 09-12.10. 2012.
8. Ghorbani, A., **Bussmann, R.W.**, Arazzadeh, Y., Sauerborn, J. (2012). Wild collection and use of *Allium paradoxum* (M. Bieb.) G. Don among Turkmens of Northern Iran. 13. ICE, Montpellier, May 20-24, 2012.
9. **Bussmann, R.W.**, Paniagua Z, N.Y. (2012). Tujujinak se usa para el techo pero ya no hay – language and its implication for the maintenance of traditional knowledge and resource conservation in the Andes and the Amazon of Bolivia and Peru. 53. Conference of the Society for Economic Botany, Frostburg, June 2-6, 2012.
10. **Bussmann, R.W.**, Paniagua Z, N.Y. (2012). Traditional knowledge in a changing world - new insights from the Chacobo in Bolivia. Society for Ethnobiology Conference, Denver, 11.-13.04.2012.
11. **Bussmann, R.W.** (2012). Toxicity of medicinal plants used in Northern Peru. 13. International Conference of the International Society for Ethnopharmacology, Kolkata, India, 16-20.02.2012.
12. Paniagua Zambrana, N., **Bussmann, R.W.**, Camara Leret, R. Macia, M.J. (2012). Medicinal uses and conservation of palms in the Andes and the Amazon of Peru and Bolivia. 13. International Conference of the International Society for Ethnopharmacology, Kolkata, India, 16-20.02.2012.
13. **Bussmann, R.W.** (2011). "I know every tree, every single tree one can see" - The life and legacy of Richard E. Schultes. Society for Economic Botany and Botanical Society of America conference, St. Louis, MO. July 9-13, 2011.
14. **Bussmann, R.W.**, Paniagua Z, N.Y. (2011). Traditional knowledge in a changing world - new insights from the Chacobo in Bolivia. Society for Economic Botany and Botanical Society of America conference, St. Louis, MO. July 9-13, 2011.
15. Paniagua Z, N.Y., Camara L., R., **Bussmann, R.W.**, Macia, M. (2011). Differences in traditional use of palms reflect the life history of users - the case of indigenous and campesino communities in Beni, Bolivia. Society for Economic Botany and Botanical Society of America conference, St. Louis, MO. July 9-13, 2011.
16. Applequist, W.L., Kuhlman, A.R., Solomon, J.C., Lowry II, P.P., **Bussmann, R.W.**, Magill, R.E. (2011). The Missouri Botanical Garden's DNA Bank: Expanding opportunities to serve the American systematics community. Society for Economic Botany and Botanical Society of America conference, St. Louis, MO. July 9-13, 2011.

17. Pourmand, K., Jonat, B., **Bussmann, R.W.**, Glenn, A., Sharon, D., Chait, G., Díaz, D., Somogy, S., Guardado, G., Aguirre, C., Chan, R., Meyer, K., Rothrock, A., Townesmith, A. (2010). Antimicrobial Activity and Toxicity of Northern Peruvian Medicinal Plants. Global Health Education Consortium (GHEC) Conference 2010; 9-11 April 2010; Cuernavaca, MX. Abstract A33.
18. Kunwar, R.M., Katuwal, Y., Shrestha, R.D., Karki, J.B., Shrestha, K., **Bussmann, R.W.** (2010). Climate change, medicinal plants and ethnobotany: observations and review. HIMCCA conference June 3-4, 2010, Kathmandu.
19. **Bussmann, R.W.** Missouri Botanical Garden – Plants for a sustainable future. (2010). Missouri Life Science Summit, UM Kansas City, March 7-9, 2010.
20. **Bussmann, R.W.** William L. Brown Center – Plants for a sustainable future. (2010). 9th Annual Oxford International Conference on the <http://www.pharmacy.olemiss.edu/ncnpr/index.html> Science of Botanicals. University of Mississippi, April 12-15, 2010.
21. **Bussmann, R.W.** (2010). East African plant use – differences in plant use between nomadic and agricultural societies. Aetfat Conference, Antananarivo, Madagascar, April 25-May 1, 2010.
22. **Bussmann, R.W.** (2010). East African plant use – differences in plant use between nomadic and agricultural societies. (2010). Society for Ethnobiology conference, Victoria, BC., May 4-8, 2010.
23. **Bussmann, R.W.** East African plant use – differences in plant use between nomadic and agricultural societies. Society for Economic Botany conference, Xalapa, Mexico, June 5-11, 2010, p. 37.
24. **Bussmann, R.W.** (2010). “I know every tree, every single tree one can see...” – The life and legacy of Richard E. Schultes. BSA Economic Botany Symposium, Providence, July 31 – August 5, 2010.
25. **Bussmann, R.W.** Herbal mixtures in traditional medicine in Northern Peru. (2010). BSA, Providence, July 31 – August 5, 2010.
26. **Bussmann, R.W.** (2010). East African plant use – differences in plant use between nomadic and agricultural societies. BSA, Providence, July 31 – August 5, 2010.
27. **Bussmann, R.W.** (2010). The William L. Brown Center at Missouri Botanical Garden: Two decades of global ethnobotanical research and sustainable resource development. Biological diversity: exploration, understanding and use. Meise, Belgium, September 16-18, 2010.
28. **Bussmann, R.W.** (2010). The William L. Brown Center at Missouri Botanical Garden: partnership and capacity building in ethnobotanical research in Northern Peru. International Society for Ethnopharmacology conference, Albacete, Spain, September 21-25, 2010.
29. **Bussmann, R.W.** Malca-García, G., Glenn, A., Sharon, D., Chait, G., Díaz, D., Pourmand, K., Jonat, B., Somogy, S., Guardado, G., Aguirre, C., Chan, R., Meyer, K.1, Kuhlman, A., Townesmith, A., Effio-Carbajal, J., Frías-Fernandez, F. (2010). Minimum inhibitory concentration of medicinal plants used in Northern Peru as antibacterial remedies. International Society for Ethnopharmacology conference, Albacete, Spain, September 21-25, 2010.
30. **Bussmann, R.W.** (2009). Indian traditional knowledge in a global context. Indian Traditional Knowledge – History, Influences and New Directions for Natural Science. February 22-23, 2009
31. **Bussmann, R.W.**, Sharon, D. (2009). Naming a phantom: the quest to find the identity of “Ulluchu”. 32nd annual conference of the Society for Ethnobiology, New Orleans, April 1-4, 2009.
32. Glenn, A., **Bussmann, R.W.** (2009). “Sacred Seeds” – Keeping the source of traditional knowledge alive. 32nd annual conference of the Society for Ethnobiology, New Orleans, April 1-4, 2009.
33. Glenn, A., **Bussmann, R.W.** (2009). “Sacred Seeds” – Keeping the source of traditional knowledge alive. Third Alan G. Johnson Memorial Conference on Ethnomedicine, Health and Environmental Conservation. Costa Rica, April 30-May 5, 2009.
34. **Bussmann, R.W.**, Sharon, D. (2009). Naming a phantom: the quest to find the identity of “Ulluchu”. 50th annual conference of the Society of Economic Botany, Charleston, May 31 -June 4, 2009.
35. Glenn, A., **Bussmann, R.W.** (2009). “Sacred Seeds” – Keeping the source of traditional knowledge alive. Botanical Society of America annual conference, Snowbird Utah, July 25-30, 2009.
36. **Bussmann, R.W.** (2009). William L. Brown Center – Plants for a sustainable future. Botanical Society of America annual conference, Snowbird Utah, July 25-30, 2009.
37. **Bussmann, R.W.**, Sharon, D. (2009). Naming a phantom: the quest to find the identity of “Ulluchu”. Botanical Society of America annual conference, Snowbird Utah, July 25-30, 2009.
38. **Bussmann, R.W.** (2009). Mercados, Curanderos, Vendedores, Colectores – la sustentabilidad del uso de plantas medicinales en el norte Peruano. - Markets, Healers, Vendors, Collectors, – the sustainability of medicinal plant use in Northern Peru. 1. Congreso de Botánica de Bolivia, taller de etnobotánica, October 27-28, 2009.

39. **Bussmann, R.W.**, Sharon, D. (2009). Sombras del pasado colonial – las diferencias en el uso de plantas medicinales en el Norte de Peru y Sur de Ecuador - Shadows of the colonial past – diverging plant use in Northern Peru and Southern Ecuador. 1. Congreso de Botanica de Bolivia, October 29-30, 2009.
40. **Bussmann, R.W.** (2008). The William L. Brown Center for Plant Genetic Resources: Plants for a Sustainable Future. Botanical Society of America, Economic Botany Section lunch talk, University of British Columbia, Vancouver, BC, July 26-30, 2008.
41. **Bussmann, R.W.** (2008). Traditional medicinal plant use in Northern Peru -Tracking two thousand years of healing culture. International Society for Ethnobiology, Cusco, Peru, June 25-28, 2008.
42. **Bussmann, R.W.**, Sharon, D., Vandebroek, I., Jones, A. (2008). Health for Sale: The Medicinal Plant Markets in Trujillo and Chiclayo, Northern Peru. Society for Economic Botany, Durham, June 1-5, 2008, p26-27, Duke University.
43. **Bussmann, R.W.** (2008). From Sierra to Coast: Tracing the supply of medicinal plants in Northern Peru – a plant collector’s tale. Society for Ethnobiology, Fayetteville, April 16-19, 2008.
44. Kunwar, R.M., **Bussmann, R.W.** (2008). Medicinal plant resources, ethnopharmacology, community management interventions and development of the Western Nepal Himapaya. In: “Mountain forests in a changing world”, Vienna, Austria, April 2-4, 2008, p32. BOKU, Vienna.
45. Kunwar, R.M., **Bussmann, R.W.** (2008). Medicinal, aromatic and dye plants of Baitadi and Darchula districts, Nepal Himalaya: status, uses and management. Third International Symposium on Biodiversity and Natural Heritage in Himalaya. Naturekunde Museum Erfurt, Germany. April 18-20, 2008. 13p.
46. **Bussmann, R.W.** (2008). From mountains to coast: Sustainability and market value of medicinal plants in Northern Peru. In: “Mountain forests in a changing world”, Vienna, Austria, April 2-4, 2008, p17. BOKU, Vienna.
47. **Bussmann, R.W.** (2008). The tropical Andes as source for traditional medicines – implications of globalizing market economy and climate change. In: Weiss, M.M., Dalitz, H., Kueppers, M., Pfitz, M., Zimmermann, R.: Consequences of Climate Change on Tropical Ecosystems. GTOE 2008, Hohenheim, Germany, February 18-22, 2008, p96. Ulmer, Stuttgart.
48. Lozano, P., **Bussmann, R.W.**, Kueppers, M. (2008). Vegetation on natural and anthropogenic landslides in the eastern part of Podocarpus National Park, Ecuador. In: Weiss, M.M., Dalitz, H., Kueppers, M., Pfitz, M., Zimmermann, R.: Consequences of Climate Change on Tropical Ecosystems. GTOE 2008, Hohenheim, Germany, February 18-22, 2008, p82. Ulmer, Stuttgart.
49. Ghorbani, A., Kueppers, M., **Bussmann, R.W.** (2007). Ethnomedical Practices among Iranian Turkmen. 6th European Colloquium on Ethnopharmacology, 20. Fachkonferenz Ethnomedizin - Joint Meeting, Leipzig, 8-10 Nov 2007.
50. **Bussmann, R.W.**, Sharon, D. (2007). Gaining ground while losing its resources? Traditional Medicine in Northern Peru and Southern Ecuador. 48th Annual Meeting of the Society for Economic Botany Chicago, Illinois, June 4-7, 2007.
51. **Bussmann, R.W.**, Sharon, D. (2007). Traditional medicine in southern Ecuador and northern Peru: Changes in practice and plant use from pre-Columbian times to today. 30th Ethnobiology Conference, Berkeley, March 28-30, 2007.
52. **Bussmann, R.W.**, Sharon, D. (2007). Antibacterial activity of northern Peruvian medicinal plants: A low cost laboratory approach to assess biological activity. 30th Ethnobiology Conference, Berkeley, March 28-30, 2007.
53. Ghorbani, A., Mosaddegh, M., **Bussmann, R.W.**, Kueppers, M. (2007). Wild edible plants of the Turkmen Sahra area (NE Iran). I. International medicinal and aromatic plants conference on culinary herbs, Antalya, Turkey, 29.4. - 04.05.2007.
54. Lozano, P., **Bussmann, R.W.**, Kueppers, M. (2006). Vegetation on Natural and Anthropogenic Landslides in the Eastern Part of Podocarpus National Park, Ecuador. Symposium “Landslides and the Large-scale Organization of Tropical Montane Ecosystems” Association for Tropical Biology and Conservation Annual Meeting “Tropical Biology: Meeting the Needs of Changing Tropical Ecosystems” Kunming, China, July 18-21 2006.
55. **Bussmann, R.W.** (2004). Ethnobotany and biodiversity conservation-holistic approaches from Eastern Africa and Latin America. *Iranian J. Pharm. Res.* 2004 (3, Supplement 2), p. 19-20.
56. **Bussmann, R.W.** (2004). Regeneration and succession patterns in African, Andean and Pacific Tropical Mountain Forests: The role of natural and anthropogenic disturbance. Abstract in: Ammer, C., Weber, M., Mosandl, R. (eds.): Regenerating Mountain Forests. IUFRO/RMF2004, Seeon, Germany, September 12-16, 2004, p. 59.

57. **Bussmann, R.W.** (2004). La diversidad florística andina y su importancia por la diversidad cultural – ejemplos del Norte de Perú y Sur de Ecuador. Abstract, I. Congreso Internacional de Diversidad Biológica y Cultural Andina. Trujillo, Perú, August 9-14, 2004, p. 8-9.
58. **Bussmann, R.W.** (2004). Vegetation and species richness patterns of East African tropical montane forests. Abstract, 47th IAVS Congress, Kailua-Kona, July 18-23, 2004, p. 33.
59. Kiefer, S., **Bussmann, R.W.** (2004). Using seedling distribution in different disturbance stages in Kakamega Forest, West Kenya as means for the characterization of regeneration strategies. Abstract, 47th IAVS Congress, Kailua-Kona, July 18-23, 2004, p. 98.
60. Lozano, P., **Bussmann, R.W.** (2004). Vegetation on natural and anthropogenic landslides at the eastern part of Podocarpus National Park. Abstract, 47th IAVS Congress, Kailua-Kona, July 18-23, 2004, p. 118.
61. Njoroge, G.N. **Bussmann, R.**, Gemmill, B., Newton, L.E., Ngumi V.W. (2004). Antimalarial Ethnophytotherapeutic Resources In Central Kenya: An Important Component For Homegardens And Agroforestry Systems In A Changing Society. Abstract, 9th ISE Congress, Kent, p. 88.
62. Njoroge, G.N., **Bussmann, R.** (2004). Community Education in Ethnophytotherapeutic Resources Conservation: An Essential Role of Ethnopharmacology Research for Development of Traditional Communities in the 21st Century. Posterabstract, 9th ISE Congress, Kent, p. 89.
63. **Bussmann, R.W.** (2004). Flora, vegetación, procesos de regeneración, potencial de uso y manejo sostenible de Bosques Montanos Tropicales: El ejemplo del Sur de Ecuador en una perspectiva global. Abstract in: Lacherre, M.R., Rodruguez Rodriguez, E.F., Weigand, M., Chaman Medina, M.E., Ruiz, J.C.: X. CONABOT, Libro de Resúmenes, Trujillo, Perú, UNT, May 2-5, 2004, p. 24-25.
64. **Bussmann, R.W.** (2004). Bosques Andinos del Sur de Ecuador - Clasificación, Regeneración y uso. Abstract in: Lacherre, M.R., Rodruguez Rodriguez, E.F., Weigand, M., Chaman Medina, M.E., Ruiz, J.C.: X. CONABOT, Libro de Resúmenes, Trujillo, Perú, UNT, May 2-5, 2004, p. 282.
65. Lozano, P., **Bussmann, R.W.** (2004). Derumbes naturales y antropicos en los bosques andinos del Sur de Ecuador - Regeneración y importancia por el mantenimiento de biodiversidad. Abstract in: Lacherre, M.R., Rodruguez Rodriguez, E.F., Weigand, M., Chaman Medina, M.E., Ruiz, J.C.: X. CONABOT, Libro de Resúmenes, Trujillo, Perú, UNT, May 2-5, 2004, p. 283.
66. Onyango, J.C., **Bussmann, R.W.**, Abukutsa Onyango M.O. (2004). The Role of University Botanic Gardens in Environmental and Ethnobotanical Issues in Conservation in Kenya. Abstract 2nd International Botanic Garden Congress, Barcelona, April 16-22, 2004.
67. Onyango, J.C., **Bussmann, R.W.** (2004). Ethnobotanical Issues in Biodiversity Conservation in the Tropics. Posterabstract, GTOE2004, Bayreuth, Germany, February 18-20.
68. Onyango, J.C., **Bussmann, R.W.**, Abukutsa Onyango M.O. (2004). University Botanical Garden, Maseno. Conserving Biodiversity in the Tropics for Future Biotechnology Needs. Abstract, GTOE2004, Bayreuth, Germany, February 18-20.
69. Lozano, P., **Bussmann, R.W.** (2004). Vegetation on Natural and Anthropogenic Landslides in the Eastern part of Podocarpus National Park. In: Biodiversity, and ecosystem dynamics in tropical ecosystems. Abstract, GTOE2004, Bayreuth, Germany, February 18-20, 2004, p. 82.
70. **Bussmann, R.W.** (2004). Tropical Mountain Forests – Regeneration Processes, use patterns and their implications for use. Abstract, GTOE2004, Bayreuth, Germany, February 18-20, 2004, p. 91.
71. Njoroge, G.N. **Bussmann, R.**, Gemmill, B., Newton, L.E., Ngumi V.W. (2003). Some applied aspects of pollination for increased fruit and seed productivity with special reference to *Citrullus lanatus* (Watermelon). Abstract, 6th African Crop Science Congress, Nairobi, Kenya, October 2003.
72. Onyango, J.C., Nyunja, R.A.O., **Bussmann, R.W.** (2003). Conservation of biodiversity in the East African Tropical Forest. Abstract in: Romero Fernández, L.M., Lucero Mosquera, H., Aguirre Mendoza, Z., Torracchi Carrasco, S., Suárez Calderon, J.P., Bussmann, R.W. (Eds.) (2003). II. Congreso de la conservación de la biodiversidad en los Andes y en la Amazonia – IV. Congreso ecuatoriano de botánica, 25-30 de agosto de 2003, Loja, Ecuador. Volumen de resúmenes, p. 266, Loja, UTPL.
73. Kiefer, S., **Bussmann, R.W.** (2003). The meaning of regeneration strategies and anthropogenic influence for the forest expansion in East African montane forest ecosystems – a modeling approach. Abstract in: Romero Fernández, L.M., Lucero Mosquera, H., Aguirre Mendoza, Z., Torracchi Carrasco, S., Suárez Calderon, J.P., Bussmann, R.W. (Eds.) (2003). II. Congreso de la conservación de la biodiversidad en los Andes y en la Amazonia – IV. Congreso ecuatoriano de botánica, 25-30 de agosto de 2003, Loja, Ecuador. Volumen de resúmenes, p. 212, Loja, UTPL.
74. Njoroge, G.N., Barbara, G., **Bussmann, R.W.**, Newton, L.E., Ngumi V.W. (2003). Utilization of weed species as source of traditional medicines in Central Kenya: Optimizing resource efficiency (R.U.E.) in agroecosystems. Abstract in: Romero Fernández, L.M., Lucero Mosquera, H., Aguirre Mendoza, Z., Torracchi Carrasco, S., Suárez Calderon, J.P., Bussmann, R.W. (Eds.) (2003). II. Congreso de la conservación de la

- biodiversidad en los Andes y en la Amazonia – IV. Congreso ecuatoriano de botánica, 25-30 de agosto de 2003, Loja, Ecuador. Volumen de resúmenes, p. 229, Loja, UTPL.
75. Uday, V., **Bussmann, R.W.** (2003). Distribución Florística del bosque de neblina montano en la Reserva Tapichalaca, Cantón Palanda. – Floristic distribution in two plots in the cloud forest of Reserva Tapichalaca, Canton Palanda. Abstract in: Romero Fernández, L.M., Lucero Mosquera, H., Aguirre Mendoza, Z., Torracchi Carrasco, S., Suárez Calderon, J.P., Bussmann, R.W. (Eds.) (2003). II. Congreso de la conservación de la biodiversidad en los Andes y en la Amazonia – IV. Congreso ecuatoriano de botánica, 25-30 de agosto de 2003, Loja, Ecuador. Volumen de resúmenes, p. 168, Loja, UTPL.
 76. Lozano, P., **Bussmann, R.W.** (2003). Vegetación de derrumbes naturales y antrópicos en la parte occidental del Parque Nacional Podocarpus. - Vegetation on Natural and Anthropogenic Landslides in the Eastern Part of Podocarpus National Park. Abstract in: Romero Fernández, L.M., Lucero Mosquera, H., Aguirre Mendoza, Z., Torracchi Carrasco, S., Suárez Calderon, J.P., Bussmann, R.W. (Eds.) (2003). II. Congreso de la conservación de la biodiversidad en los Andes y en la Amazonia – IV. Congreso ecuatoriano de botánica, 25-30 de agosto de 2003, Loja, Ecuador. Volumen de resúmenes, p. 199, Loja, UTPL.
 77. **Bussmann, R.W.** (2003). Flora, Vegetation and Regeneration Processes in Tropical Mountain Forest of Southern Ecuador and East Africa-A Comparison. Abstract in: Romero Fernández, L.M., Lucero Mosquera, H., Aguirre Mendoza, Z., Torracchi Carrasco, S., Suárez Calderon, J.P., Bussmann, R.W. (Eds.) (2003). II. Congreso de la conservación de la biodiversidad en los Andes y en la Amazonia – IV. Congreso ecuatoriano de botánica, 25-30 de agosto de 2003, Loja, Ecuador. Volumen de resúmenes, p. 30, Loja, UTPL.
 78. Lozano, P., **Bussmann, R.W.** (2002). Dinámica de la regeneración de la vegetación en derrumbes naturales y antrópicos del Parque Nacional Podocarpus. Abstract, Universidad Técnica Particular Loja, taller anual de presentación de resultados del programa de investigaciones de la Estación Científica San Francisco, Loja.
 79. J.C. Onyango, **Bussmann, R.W.**, Onyango, M.O.A. (2002). The university botanic garden, Maseno: a teaching centre for biodiversity management and germplasm conservation. Abstract, *Proceedings of African Botanic Gardens Congress: "Partnerships and linkages"* Durban Botanic Gardens, South Africa. 24th to 30th November 2002.
 80. Njoroge, G.N., Barbara, G., **Bussmann, R.W.**, Newton, L.E., Ngumi V.W. (2002). Using plants for health. Indigenous knowledge of contemporary Kikuyu people (Kenya). Abstract, 8th ISE Congress, Addis Ababa, Ethiopia, p54.
 81. **Bussmann, R.W.** (2002). Flora, Vegetation and Regeneration Processes in Tropical Mountain Forests of Southern Ecuador and Kenya – A Comparison. Abstract, GTÖ 2002 in Göttingen, p. 35.
 82. **Bussmann, R.W.** (2001). Los bosques montanos de la Reserva Biológica San Francisco (Zamora-Chinchiipe, Ecuador): Zonación de la vegetación y regeneración natural. Abstract in: Bussmann, R.W., Lange, S. (Eds.) Conservación de la Biodiversidad en los Andes y la Amazonía – Reuniendo a Científicos, ONGs y Comunidades Locales. Volumen de resúmenes, I. Congreso de Biodiversidad, Cusco, 24.-28.09.01, p. 29. München, INKA.
 83. Ordoñez, O., Galvez, J., **Bussmann, R.W.** (2001). Estudio dasométrico, composición florística y regeneración natural del bosque alterado de montaña en la Estación Científica San Francisco. Posterabstract in: Bussmann, R.W., Lange, S. (Eds.) Conservación de la Biodiversidad en los Andes y la Amazonía – Reuniendo a Científicos, ONGs y Comunidades Locales. Volumen de resúmenes, I. Congreso de Biodiversidad, Cusco, 24.-28.09.01, p. 44. München, INKA.
 84. Leischner, B., **Bussmann, R.W.** (2001). Uso de recursos maderables y mercado de madera en las provincias Loja y Zamora-Chinchiipe, Ecuador. Posterabstract in: Bussmann, R.W., Lange, S. (Eds.) Conservación de la Biodiversidad en los Andes y la Amazonía – Reuniendo a Científicos, ONGs y Comunidades Locales. Volumen de resúmenes, I. Congreso de Biodiversidad, Cusco, 24.-28.09.01, p. 96. München, INKA.
 85. **Bussmann, R.W.** (2001). Unidades de vegetación de reserva Biológica San Francisco: Una síntesis Fitosociológica. Abstract in: Bussmann, R.W., Lange, S. (Eds.) Conservación de la Biodiversidad en los Andes y la Amazonía – Reuniendo a Científicos, ONGs y Comunidades Locales. Volumen de resúmenes, I. Congreso de Biodiversidad, Cusco, 24.-28.09.01, p. 110. München, INKA.
 86. Béjar, E., **Bussmann, R.W.**, Roa, C., Sharon, D. (2001). Medical plants of Vilcabamba – interdisciplinary ethnobotanical research in Southern Ecuador. Posterabstract, 14. Jahrestagung der Deutschen Gesellschaft für Tropenökologie, Bremen.

87. **Bussmann, R.W.**, Werner, F., Schaaf, A. (2001). Epiphyte diversity along altitudinal gradients and its relation to natural and anthropogenic disturbance in Podocarpus National Park, Southern Ecuador. Posterabstract, 14. Jahrestagung der Deutschen Gesellschaft für Tropenökologie, Bremen.
88. Gálvez M., J.R., Ordoñez G., O.R., **Bussmann, R.W.** (2001). Tree diversity, timber volumes and natural regeneration in Southern Ecuadorian Mountain forests. Posterabstract, 14. Jahrestagung der Deutschen Gesellschaft für Tropenökologie, Bremen.
89. Hartig, K., Ohl, C., Beck, E., **Bussmann, R.W.** (2001). Regeneration of anthropogenic versus natural landslides on Southern Ecuador. Posterabstract, 14. Jahrestagung der Deutschen Gesellschaft für Tropenökologie, Bremen.
90. Lange, S., Muchow, K., **Bussmann, R.W.** (2001). INKA – International Network for Cultural and Biological Diversity: New approaches to interdisciplinary research and conservation of biological and cultural diversity. Posterabstract, 14. Jahrestagung der Deutschen Gesellschaft für Tropenökologie, Bremen.
91. Leischner, B., **Bussmann, R.W.** (2001). Timber use and timber market in Loja and Zamora-Chinchi, Ecuador – local selective forest use and its role in species extinction and forest destruction. Posterabstract, 14. Jahrestagung der Deutschen Gesellschaft für Tropenökologie, Bremen.
92. Ohl, C., **Bussmann, R.W.** (2001). How much disturbance does diversity need? The role of natural landslides for the maintenance of species diversity and ecosystem stability in Southern Ecuadorian Mountain Forests. Abstract, 14. Jahrestagung der Deutschen Gesellschaft für Tropenökologie, Bremen.
93. Njoroge, G.N., Gemmill, B., **Bussmann, R.**, Newton, L.E., Ngumi, V.W. (2000). Pollination ecology of the *Cucurbitaceae* / cucurbits (case study at yatta, Kenya). National pollination initiative workshop. 14th Sept. 2000 National Museums of Kenya, Nairobi, Kenya.
94. **Bussmann, R.W.** (2000). Regeneration and succession processes in East African Mountain forests – A Review. Abstract, XVIth AETFAT International Congress. Scripta Botanica Belgica 20, p. 16-17.
95. **Bussmann, R.W.**, Werner, F., Schaaf, A. (2000). Epiphyte diversity in a tropical mountain ecosystems – the example of Estación Científica San Francisco, Southern Ecuador. Posterabstract, Verhandlungen der Gesellschaft für Ökologie 30, p. 154.
96. **Bussmann, R.W.** (2000). Succession and Regeneration Patterns of East African Mountain Forests. Posterabstract, Verhandlungen der Gesellschaft für Ökologie 30, p. 202.
97. Ohl, C., **Bussmann, R.W.** (2000). Vegetation on natural landslides in the tropical mountain forest of southern Ecuador, with special consideration of the altitudinal gradient. Posterabstract, Verhandlungen der Gesellschaft für Ökologie 30, p. 208.
98. **Bussmann, R.W.** (2000). Vegetationsstufen der Bergwaldstufe im Podocarpus-Nationalpark, Südecuador. Posterabstract, Verhandlungen der Gesellschaft für Ökologie 30, p. 159.
99. Lange, S., Muchow, K., **Bussmann, R.W.** (2000). INKA – Internationales Netzwerk für Kultur- und Artenvielfalt: neue Ansätze zur Erhaltung der Bio- und Kulturdiversität. Posterabstract, Verhandlungen der Gesellschaft für Ökologie 30, p. 223.
100. **Bussmann, R.W.** (2000). Conservation of biological and cultural diversity - Estación Científica San Francisco, Zamora-Chinchi, Ecuador - Scientific research at the service of conservation, sustainable development and environmental education. Abstract, VII. International Congress on Ethnobiology, 45-46, Athens.
101. **Bussmann, R.W.**, Werner, F., Schaaf, A. (2000). Epiphyte diversity in a tropical mountain ecosystems – the example of Estación Científica San Francisco, Southern Ecuador. Posterabstract, GMBA-conference, Rigi-Kaltbad, 07.-10.09.2000.
102. Gálvez M., J.R., **Bussmann, R.W.** (2000). Estudio florístico y dasométrico del bosque tropical de montaña de la Estación Científica San Francisco. Posterabstract, Universidad Técnica Particular Loja, taller anual de presentación de resultados del programa de investigaciones de la Fundación Científica San Francisco, Loja.
103. Ordoñez G., O.R., **Bussmann, R.W.** (2000). Estudio dasiométrico, composición florística y regeneración natural del bosque alterado de montaña en la Estación Científica San Francisco. Posterabstract, Universidad Técnica Particular Loja, taller anual de presentación de resultados del programa de investigaciones de la Fundación Científica San Francisco, Loja.
104. Ohl, C., **Bussmann, R.W.** (2000). Vegetación de derumbes naturales en los bosques montanos tropicales del Sur de Ecuador, con relación especial al gradiente altitudinal. Abstract, Universidad Técnica Particular Loja, taller anual de presentación de resultados del programa de investigaciones de la Fundación Científica San Francisco, Loja.
105. Leischner, B., **Bussmann, R.W.** (2000). Uso de recursos maderables y mercado de madera en las provincias Loja y Zamora-Chinchi, Ecuador. Posterabstract, Universidad Técnica Particular Loja, taller

annual de presentación de resultados del programa de investigaciones de la Fundación Científica San Francisco, Loja.

106. Alvarado, R.P., **Bussmann, R.W.** (1999). Diagnostico socioeconomico del area de influencia de la Estación Científica San Francisco, Ecuador. Posterabstract, Universidad Nacional Loja, taller anual de presentación de resultados del programa de investigaciones de la Fundación Científica San Francisco, Loja.
107. Alvarado, R.P., **Bussmann, R.W.** (1999). Vegetación natural del bosque de la Estación Científica San Francisco, Ecuador. Posterabstract, Universidad Nacional Loja, taller anual de presentación de resultados del programa de investigaciones de la Fundación Científica San Francisco, Loja.
108. **Bussmann, R.W.** (1999). Forest vegetation units along altitudinal gradients at Estación Científica San Francisco, Ecuador. Posterabstract, 12. Jahrestagung der Deutschen Gesellschaft für Tropenökologie. Ulm/Donau.
109. **Bussmann, R.W.**, Beck, E. (1999). Unidades de vegetación en el gradiente altitudinal de la Estación Científica San Francisco, Ecuador. Abstract, Universidad Nacional Loja, taller anual de presentación de resultados del programa de investigaciones de la Fundación Científica San Francisco, Loja.
110. **Bussmann, R.W.**, Schaaf, A., Werner, F. (1999). Distribución altitudinal de epífitas en el bosque de la Estación Científica San Francisco, Ecuador. Posterabstract, Universidad Nacional Loja, taller anual de presentación de resultados del programa de investigaciones de la Fundación Científica San Francisco, Loja.
111. **Bussmann, R.W.**, Beck, E. (1994). The forests of Mt. Kenya (Kenya), a phytosociological synopsis - Posterabstract Botanikertagung '94, Bayreuth, 11.09.94 - 19.09.94). Bayreuth: DBG/VAB.
112. **Bussmann, R.W.**, Beck, E. (1994). Regenerations- und Sukzessionsprozesse in den Ocotea-Wäldern des Mount Kenya - Posterabstract 24. Jahrestagung der Gesellschaft für Ökologie). Frankfurt/Main.
113. **Bussmann, R.W.**, Beck, E. (1994). Syntaxonomical classification of the forests of Mount Kenya as an example for a new classification system of East African mountain forests. Abstract, XIVth AETFAT Congress, 22-27 August 1994. Wageningen.