

Jan H.D. Wolf

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Institute for Biodiversity and Ecosystem Dynamics (IBED)
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Personal data

Date of Birth: March 20, 1953

Nationality: Dutch

Married to Gloria P. Moreno C

Children: 1 daughter, Laura Natalia, June 27, 1988; 1 son, Jan Kamiel, February 14, 1992

Education

H.B.S.-B., Corderius College, Amersfoort, 1971

M.S., Biology, University at Utrecht, 1979

Ph.D., Tropical Ecology, University of Amsterdam, Hugo de Vries-laboratory, 1993

PhD Thesis: "Ecology of epiphytes and epiphyte communities in montane rain forests, Colombia", 238 pp., Elinkwijk B.V., Utrecht.

Promotor: Prof. Dr. Th. van der Hammen

Co-Promotores: Prof. Dr. M.J.A. Werger

Prof. Dr. A.M. Cleef

Prof. Dr. S.R. Gradstein

Members of the committee:

Prof. Dr. K. Bachmann

Prof. Dr. H. Hooghiemstra

Prof. Dr. Ir. R.A.A. Oldeman

Prof. Dr. J. Sevink

Dr. F. Bouman

Dr. N.M. Nadkarni

Professional Experience

1994-present Senior Researcher at "El Colegio de la Frontera Sur" (ECOSUR) situated in San Cristóbal de Las Casas, Chiapas, Mexico

1985-1993 Researcher at the University of Amsterdam, Hugo de Vries-laboratory (WOTRO grant W 84-236). "Biogeographical, phytosociological and ecological investigations on epiphytes in Colombian montane forests"

1983-1985 Researcher at the University of Amsterdam, Hugo de Vries-

laboratory, with the major task to make operational a package of computer programs for data-analysis of large botanical datasets on a Cyber main frame computer (grant by the Dutch foundation for Tropical Research, WOTRO)
1982 Member of various botanical expeditions in tropical America aimed at collecting plant specimens
1980-1981 Herbarium Technician at the Herbarium of the "Missouri Botanical Gardens", St. Louis, Missouri, U.S.A.

Professional Societies

Director "Fundación PRO-ECOANDES", a non-profit foundation dedicated towards the conservation of Andean ecosystems, based in Colombia.

Research Support

WOTRO research grant. 1983
WOTRO research grant. 1985-1987
University of Amsterdam research grant. 1988-1992
NWO travel grant, Medellin, Colombia. 1986
NWO travel grant, Bogotá, Colombia .1988
NWO travel grant, La Havana, Cuba. 1990
NWO travel grant, Sarasota, Florida, USA. 1991
Stichting Hugo de Vries-fonds travel grant, San Juan, Puerto Rico. 1993.
CONABIO research grant. 1995 - 1996. Diversidad de epífitas vasculares en un paisaje fragmentado en Los Altos de Chiapas, México.
SIBEM research grant. 1996-1997. El cultivo, la comercialización y la conservación de bromelias en Los Altos de Chiapas, Mexico.
CONABIO research grant. 1998 - 1999. Ecología y biogeografía de epífitas vasculares de Chiapas, México NIH/NSF/FAS (in collaboration) International Collaborative Biodiversity Group research grant. 1998 - 2003. Drug Discovery and Biodiversity among the Maya of Mexico. Associate program: Conservation, sustainable harvest and economic growth. Responsible for Sub-program: "Biodiversity conservation and community development through in vitro cultivation of medicinal, ceremonial and ornamental plants.

Projects Directed

Diversidad y Ecología de Epífitas. 1994 - present. An ECOSUR research project.
Diversidad de epífitas vasculares en un paisaje fragmentado en Los Altos de Chiapas, México. 1995 - 1996.
El cultivo, la comercialización y la conservación de bromelias en Los Altos de Chiapas, Mexico. 1996 - 1998
Ecología y biogeografía de epífitas vasculares de Chiapas, México. 1998 - present (1999).
Biodiversity conservation and community development through in vitro cultivation of medicinal, ceremonial and ornamental plants. 1998 - present (2003).

Theses directed or co-directed

Doctorate

Alejandro Flores Palacios.. Inst. de Ecología, Xalapa, Ver. 1/06/1996-1/06/1999.
Member of the committee

El efecto de la fragmentación del bosque mésófilo en la comunidad de plantas epífitas vasculares.

Frans van Dunné. University of Amsterdam. 1/10/1996-1/10/2000. Co-promotor.
Establishment, development and diversity of epiphytic vegetation in recovering tropical rain forests.

Master of Science

Arn de Wilde. University of Amsterdam 01/06/1987-01/07/1988. Director
Epiphytes of the subandean-andean transition zone.

Astrid T. Groot. University of Amsterdam. 01/06/1992-01/07/1993. Director
Lifeforms of tropical bryophytes along an altitudinal gradient in the northern Andes.

Dirk den Hollander & Hein Swaan. University of Amsterdam. 01/06/1989-01/07/1990. Director

Zonation in epiphytic vegetations of two sub-andean oak forests in Colombia.

Robert G.M. Hofstede. University of Amsterdam 01/01/1992-01/01/1993. Director.
Epiphytic mass and nutrient status of an Upper Montane Rain Forest.

Juan Carlos Castro Hernández. ECOSUR 1/1/1996-1/1/1997. Director.
Humedad, nutrientes y luz como factores determinantes de la distribución y el crecimiento de *Tillandsia* spp.

Marlene Gómez Peralta. UMSNH, Michoacán. 1/8/1996-1/8/1997. Director.
El estrato muscinal del bosque de oyamel y una propuesta para su manejo en la reserva de la Biosfera "Mariposa Monarca", Sierra Chincua, Michoacán, México.

Bachelor of Science

Isabel López Palomina. Instituto Tecnológico de Los Mochis, Sinaloa.. 1/7/1996-1/7/1997.

Epífitas y huracanes en la zona costera de Quintana Roo, México.

Freddy Chanona Gomez. UNICACH. 1/7/1996-1/7/1997. Director.

Ecología de comunidades de líquenes epífitas en una selva baja caducifolia, Chiapas, México.

Mariana Tarin Toledo Aceves. Fac. de Ciencias. UNAM. México D.F. 1/7/1996-1/7/1997.

Reintroducción de la bromelia epífita *Tillandsia eizii* Lyman B. Smith, en la reserva "Cerro Huitepec", Chiapas, México.

Congresses, Symposia and Workshops attended

1986 IV Congreso Latinoamericano de Botánica, Medellín, Colombia.

1988 I Simposio Latinoamericano De Briología, Bogotá, Colombia.

1990 V Congreso Latinoamericano de Botánica, La Habana, Cuba.

1992 International Epiphyte Symposium: "The Biology and Conservation of Epiphytes." The Marie Selby Botanical

Gardens, Sarasota, Florida, USA.

1993 30th anniversary meeting of the Association for Tropical Biology at San

Juan, Puerto Rico, USA.

1994 Epiphyte symposium "Forest canopies: Ecology, Biodiversity and Conservation." The Marie Selby Botanical Gardens, Sarasota, Florida, USA.

1995 International Bryological Conference. "Tropical bryophytes: Biology, Diversity and Conservation." International

Association of Bryologists and Instituto de Biología, UNAM, México D.F., México.

1995 Second international ESF-workshop on tropical canopy research. University of Ulm, Ulm, Germany.

1996 International ESF-workshop on tropical canopy research "Deterministic chaos and the organization of tropical canopy ecosystems in time and space".

Technische Hochschule Darmstadt. Darmstadt, Germany.

1997 VI Congreso Nacional de Micología. Tapachula, Mexico. "Lista preliminar de los líquenes del estado de Chiapas".

1998 Third international ESF-workshop on tropical canopy research 'State of the art in canopy research'.

Araracuara, Colombia.

1998 Tropical montane cloud forests-planning and advisory workshop. World Conservation Monitoring Centre, Cambridge, England.

1998 VII Congreso Latinoamericano de Botánica, Mexico City, Mexico.

1998 III Simposio Internacional Desarrollo Sustentable de Montañas. Quito, Ecuador.

1999 XXII Congreso Annual Society of Ethnobiology, Oaxaca, Mexico.

Invitations

October 11-22, 1990

The Marie Selby Botanical Gardens, Sarasota, Florida. Visiting Scientist Program.

Lectures

1). Changes in biomass of epiphytic bryophyte and lichen communities along an altitudinal transect in the northern Andes.

2). Alpha-, beta-, and gamma-diversity patterns of epiphytic bryophytes and lichens along an altitudinal transect in Colombia; more than an exercise in Greek?!

May 5-8, 1991

Invited speaker: "Species richness patterns of epiphytic bryophytes and lichens along an altitudinal gradient in the northern Andes." International Symposium: The Biology and Conservation of Epiphytes. The Marie Selby Botanical Gardens, Sarasota, Florida, USA.

February 4, 1992

Lecture: Epifyten Vegetaties. Capita Selecta Tropische Bosoecologie. University of Wageningen. The canopy of the tropical rain forest.

July 27-30, 1995

Invited speaker: Habitat heterogeneity in the canopy of the tropical rain forest. Second international ESF-workshop on tropical canopy research. University of Ulm, Ulm, Germany.

October 8-13, 1996

Invited speaker: What determines the structure of the epiphytic plant community in the canopy of the tropical rainforest? International ESF-workshop on tropical canopy research "Deterministic chaos and the organization of tropical canopy ecosystems in time and space". Technische Hochschule Darmstadt. Darmstadt, Germany.

March 6-13, 1998

Invited speaker: Applied canopy research; the cultivation, commercialization and conservation of bromeliads in Chiapas'. Third international ESF-workshop on tropical canopy research 'State of the art in canopy research'. Araracuara, Colombia.

July 6-8, 1998

Tropical montane cloud forests-planning and advisory workshop. World Conservation Monitoring Centre, Cambridge, England.

Scientific Publications and Contributions

Wolf, Jan H. D. 1979. Akkeronkruiden op een biologisch-dynamisch landbouwbedrijf. *Acta Botanica Neerlandica* 28 (4/5): 38.

Wolf, Jan H. D. 1986. Comunidades epifitas en un transecto altitudinal de la Cordillera Central Colombiana. IV Congreso Latinoamericano de Botánica, Medellín, Colombia.

Wolf, Jan H. D. 1988. Changes in biomass of epiphytic lichens and bryophytes along an altitudinal transect, Cordillera Central, Colombia. I Simposio Latinoamericano De Briología, Bogotá, Colombia.

Wolf, Jan H. D. 1990. Diversidad alfa y beta de líquenes y briofitos en un transecto altitudinal, Colombia. V Congreso Latinoamericano de Botánica, La Habana, Cuba.

Wolf, Jan H. D.. 1992. Species richness patterns of epiphytic bryophytes and lichens along an altitudinal gradient in the northern Andes. International Epiphyte Symposium: "The Biology and Conservation of Epiphytes". The Marie Selby Botanical Gardens, Sarasota, Florida. *Selbyana* 13.

Wolf, Jan H. D. 1993. What determines the distribution of vascular and non-vascular epiphytes? 30th anniversary meeting of the "Association for Tropical Biology" at San Juan, Puerto Rico, USA.

Wolf, Jan H. D. 1994. Non vascular epiphyte diversity pattern in the canopy of an Upper Montane Rain Forest (2550-3670 m.a.s.l.) Central Cordillera Colombia. *Forest canopies: Ecology, Biodiversity and Conservation*. The Marie Selby Botanical Gardens, Sarasota, Florida.

- Groot A. T., G. B. A. van Reenen & J. H. D. Wolf. 1994. Life form diversity of epiphytic bryophytes in montane rain forests in the Colombian Andes.
- Wolf, Jan H. D. 1995. Habitat heterogeneity in the canopy of the tropical rain forest. Second international ESF- workshop on tropical canopy research. University of Ulm, Ulm, Germany.
- Wolf, Jan H. D. 1998. Toward the sustainable harvesting of epiphytic bromeliads as a non timber forest crop. III Simposio Internacional Simposio Desarrollo Sustentable de Montañas. Quito, Ecuador.
- Wolf, Jan H.D. & Teresa Santiago-Vera 1998 La comunidad epífita en bosques perturbados de Pinus-Quercus en los altos de Chiapas, México. VII Congreso Latinoamericano de Botánica, Mexico City, Mexico.
- Konings, Cornelius J. F. & Jan H.D. Wolf 1998. Bromelias como productos no maderables. VII Congreso Latinoamericano de Botánica, Mexico City, Mexico.
- Gómez-Peralta, Marlene & Jan H. D Wolf. 1998. Extracción comercial de musgo en la Reserva Especial de la Biósfera "Mariposa Monarca", Sierra Chincua, Michoacán, México. VII Congreso Latinoamericano de Botánica, Mexico City, Mexico.
- Wolf, Jan H. D. 1987. Epifyten in Colombiaanse bergbossen. *Buxbaumiella* 21: 22-25.
- Wolf, Jan H. D. 1989. Comunidades epífitas en un transecto altitudinal en la Cordillera Central, Colombia (datos iniciales sobre la cantidad de especies de briófitos y líquenes). Pp. 455-459. In: T. van der Hammen, S. Diaz-P. & V. J. Alvarez (eds.). *Studies on Tropical Andean Ecosystems*, 3. Cramer, Vaduz.
- Hofstede R. G. M., J. H. D. Wolf & D. H. Benzing 1993. Epiphytic mass and nutrient status of an Upper Montane Rain Forest. *Selbyana* 14: 37-45.
- Wolf, Jan H. D. 1993. Epiphyte communities of tropical montane rain forest in the northern Andes. I. Lower montane communities. *Phytocoenologia* 22 (1): 1-52.
- Wolf, Jan H. D. 1993. Epiphyte communities of tropical montane rain forests in the northern Andes. II. Upper montane communities. *Phytocoenologia* 22 (1): 53-103.
- Wolf, Jan H. D. 1993. Diversity patterns and biomass of epiphytic bryophytes and lichens along an altitudinal gradient in the northern Andes. *Annals of the Missouri Botanical Gardens* 80(4): 928-960.
- Wolf, Jan H. D. 1994. Factors controlling the distribution of vascular and non-vascular epiphytes in the northern Andes *Vegetatio*. 112: 15-28.
- Wolf, Jan H. D. 1995. Non vascular epiphyte diversity patterns in the canopy of an Upper Montane Rain Forest, Central Cordillera, Colombia. *Selbyana* 16(2): 185-195.
- S. Rob Gradstein, Peter Hietz, Robert Lücking, Andrea Lücking, Harrie J. M. Sipman, Hans F. M. Vester, Jan H.D. Wolf & Eric Gardette. 1996. How to sample the epiphytic diversity of tropical rain forests. *Ecotropica* 2: 59-72.
- Wolf, Jan H. D. in press. Diversidad y ecología de comunidades epifíticas en la Cordillera Central, Colombia. *Studies on tropical Andean Ecosystems*. Kramer, Vaduz, Alemania.
- Sipman, H.J.M. & J.H.D. Wolf. 1998. Provisional checklist for the lichens of Chiapas. *Acta Botánica Mexicana* 45:1-29

Castro-Hernández. J.C., Wolf J.H.D., Garcia-Franco J.G. & González-Espinosa M. in press The influence of humidity, nutrients and light on the establishment of the epiphytic bromeliad *Tillandsia guatemalensis* in the highlands of Chiapas. *Revista de Biología Tropical*.

Books or Chapters in Books:

Wolf, Jan H. D. 1991. Las epífitas: un sistema dentro del sistema. Pp. 84-117. In: Cristina Uribe Hurtado (ed.). *Bosques de Niebla de Colombia*. Cristina Uribe Editores, S.F. de Bogotá, Colombia.

Wolf, Jan H. D. 1993. Ecology of epiphytes and epiphyte communities in montane rain forests, Colombia. Pp. 256. PhD thesis, University of Amsterdam. Elinkwijk B.V., Utrecht.

Book Reviews:

Wolf, Jan H. D. 1994. *Arboles y Arbustos de los Andes del Ecuador*. C. Ulloa U. & P.M. Jørgensen. AAU reports 30 In: *Acta Botanica Neerlandica* 43(2):226-227.

Wolf, Jan H. D. 1994. Neotropical Montane Cloud Forests, Biodiversity and Conservation. AAU reports 31. In: *Acta-Botanica Neerlandica* 43(2): 227.