

CURRICULUM VITAE

Bärbel Irmgard Heindl

Personal

Born: January 26, 1959, in Schlüchtern, Germany

Nationality: German

Family status: married since June 1994 (one child)

Education

Diploma University of Würzburg, Germany, Biology (Vegetation Science, Community Ecology and Roadside Vegetation), June 1984

Ph.D. University of Würzburg, Germany, Dr. rer. nat., Vegetation Science, Community Ecology and Roadside Vegetation, December 1990
Subject: "Survey of the ecological and geographical classification of roadside vegetation in Germany and France"

Professional Activities and Experiences

1984 - 1985 Vegetation mapping (Biotopkartierung) in Lower Franconia (Bavaria) for the Agency for Environmental Protection (LfU), Munich, Germany

1985 - 1990 Supervision of students in laboratory and field studies leading to Diploma theses

1985 - 1988 Doctoral scholarship from Cusanuswerk (Bischöfliche Studienförderung Bonn)

1988 - 1990 Research Assistant with Prof. I. Ullmann, SFB project of the Department of Botany, University of Würzburg, Germany
laboratory experiments and field excursions related to plant systematics and community ecology

1991 Research Associate, SFB project, Department of Botany, University of Würzburg, Germany
project on "Plant Performance under Stress"

1/92 - 4/92 Post-doctoral fellowship with Prof. M. Allen and Dr. E. Allen, Dept. of Biology, San Diego State University, California
projects on coastal sage vegetation, roadside vegetation

5/92 - 4/93 Research Associate, Dept. of Plant Ecology, Bayreuth Institute of Terrestrial Ecosystem Research (BITOEK), University of Bayreuth

forest understory and meadow vegetation: community structure and ecophysiological parameters, spruce and pine forest, supervision of Diploma students

- 5/93 - 8/94 Research Associate, Project Office of the Bayreuth Institute of Terrestrial Ecosystem Research (BITOEK), University of Bayreuth
organisation of seminars, public relations, editing of institute flyer
- 9/94 - 12/97 Leave of absence for child care
- 2/98 - 3/98 Research Associate, Dept. of Plant Ecology, Bayreuth Institute of Terrestrial Ecosystem Research (BITOEK), University of Bayreuth, Germany
project on landscape ecology in the Fichtelgebirge, mapping of meadow communities
- 5/98 - 9/99 Research Associate (part time), Dept. of Mathematics, University of Bayreuth, Germany
Supervision of graduate study program, organisation of summer courses with international participation, secretarial duties
- 1999 - 2010 Long-term monitoring of vegetation succession on the Schneeberg summit (Fichtelgebirge, Bavaria, Germany) after dismantling of military buildings (in cooperation with Naturpark Fichtelgebirge e.V., LRA Wunsiedel, Germany)
- 3/01 – 6/01 Post doctoral researcher at Center for Conservation Biology, University of California, Riverside, U.S.A.
- August 2001 Floristic field mapping of field sites of Department of Plant Ecology (Univ. of Bayreuth) in National Park of Berchtesgaden, German Alps
- 9/01 – 12/01 Research associate at Department of Geography, Ludwigs-Maximilians-Universität München, Germany
(BMBF-project GLOWA (Global Water Cycles))
- 5/02 Attending international course "Ecological Management in Cultural Landscapes" of the University of Bayreuth in Berchtesgaden, German Alps
- 10/03 – 3/09 Research associate (part time) at Dept. of Plant Systematics, University of Bayreuth or Staatliche Naturwissenschaftliche Sammlungen Bayerns (SNSB), Munich, Germany
Organisation of data input in LIAS light, a global database for lichens and lichenized ascomycetes in the framework of BMBF project BIOTA-Africa
- 4/09 – 8/13 Research associate (part time) at BayCEER – TERRECO International Research and Training Group (IRTG 1565– DFG / KOSEF), University of Bayreuth, Germany
Assistance in project coordination, support of PhD students and guest scientists, website assembling

www.bayceer.uni-bayreuth.de/terreco/

- 9/13 – 8/2014 Research Associate (part time) at BayCEER- CREATE,
Consortium for Research in East African Tropical Ecosystems,
*Assistance in project coordination, support of PhD students and
guest scientists, website assembling*
www.bayceer.uni-bayreuth.de/CREATE/
- 1/15 – 4/15 University of Bayreuth, Maseno University, Initiative CREATE -
Consortium for Research in East African Tropical Ecosystems –
Assistance in conference and excursion planning in Kenya
www.bayceer.uni-bayreuth.de/CREATE/
- 5/2014
5-8/2015 Floristic field research *Arnica* project Hof
Pilot project: Bundesprogramm Biodiversity
www.arnikaprojekt-hof.de
- 6 – 9/ 2015 Agentur Blachnik, Nürnberg: Floristic and vegetation
mapping at dike and flood control sites at Danube river
(Straubing/Ihrlbach/Entau/Pfelling/Natternberg) for Rhein-Main-
Donau AG

Research Interests

- plant community ecology
- plant competition
- population dynamics
- ecophysiology
- plant germination and reproduction
- disturbance and restoration ecology
- roadside vegetation
- floristic mapping
- monitoring of vegetation structure
- landscape ecology
- development of data bases

Professional Experience

- botanical-ecological field and laboratory research
- knowledge of flora in Europe and specific vegetation zones world wide
- mapping of vegetation and land use
- vegetation and floristic monitoring
- examination of vegetation structure
- university level teaching

- supervision and planning of student diploma projects, seminars, and excursions
- planning and preparation of scientific meetings and lecture series
- planning and conducting scientific excursions and tours (including international groups)
- editorial preparation and publication of a scientific series
- drafting of materials for public relations presentations
- preparation of press reports
- website assembling
- data entry and support of large data bases
- support for foreign doctoral students (orientation, immigration requirements, residence permit, city registration, enrolment, health insurance, housing etc.)
- support for foreign guest professors
- editorial work on research reports and proposals (in English)
- translation of scientific texts English/German and German/English
- participation in several international botanical excursions with international scientists (Japan 2000, Kenya 2015) or university students to Japan (2004), Arizona and Baja California (2003), Teneriffa (2005, 2007), Kenya (2014)
- organisation of and assistance in local and international botanical excursions

International Botanical Excursions with Students and/or Scientists

1981	Neusiedler Lake, Austria
1982	Pyrenees, Spain
1990	Teneriffa
1992	Southern California
1992	Baltic Sea coast, Germany and Poland
2000, 2004	Japan
2001	Southwest of USA
2003	Southwest of USA and Baja California
2005, 2007	Teneriffa
2010	South Korea
2014	Alps, Austria
2014/2015	Kenya

Non-Professional Activities

1999 – 2008 monitoring of long-term vegetation plots on top of Schneeberg Mountain, Fichtelgebirge, in cooperation with Naturpark Fichtelgebirge e.V. (LRA Wunsiedel)

2000	Supervision of the children's group „Die Rasselbande“ at Umweltbildungszentrum Lindenhof, LBV, Bayreuth
since 2000	Organisation and musical accompaniment of church services for families and children within catholic parish of Eckersdorf
2012 – 2015	Organisation of oecumanic women's group Eckersdorf
3/04 – up to date	Member of "Verein Flora Nordostbayern" (VFN): field mapping of plant species in North Eastern Bavaria, Germany since 3/08 member of steering committee, since 2014 secretary http://www.flora.uni-bayreuth.de/
since 2015	treasurer of the registered association HippoTeam Bayreuth-Land e.V. http://www.hippoteam-bayreuth-land.de/
	Botanical lectures and excursions for NGOs

Further Skills

- Foreign languages: fluent written and spoken in English and French
- EDV: MS Office, Internet, website assembling
- data bases for floristic data (LIAS, Recorder D, Diversity Workbench)

Publications

- Ullmann, I. und Heindl, B. (1986) "Ersatzbiotop Straßenrand" - Möglichkeiten und Grenzen des Schutzes von basiphilen Trockenrasen an Straßenböschungen. Ber. ANL 10: 103-118.
- Ullmann, I. und Heindl, B. (1987) "Bandförmige" Zonierungen an Verkehrswegen: Struktur und Dynamik der Phytozönosen. In: Erfassung und Bewertung anthropogener Vegetationsveränderungen, Teil 1, Schubert, R. und Hilbig, W. (Hrsg.), Wiss. Beitr. Martin-Luther-Univ. Halle-Wittenberg 1987/4 (P26): 199-217.
- Heindl, B. und Ullmann, I. (1988) Geographische Gliederung straßenbegleitender Pflanzengesellschaften in Mitteleuropa. In: Symposium on Synanthropic Flora and Vegetation, Zaliberova, M. et al. (Hrsg.), V: 67-77, Martin.
- Ullmann, I., Heindl, B., Fleckenstein, M. und Mengling, I. (1988) Die straßenbegleitende Vegetation des Mainfränkischen Wärmegebietes. Ber. ANL 12: 141-187.
- Ullmann, I. and Heindl, B. (1989) Geographical and ecological differentiation of roadside vegetation in temperate Europe. Bot. Acta 102: 261-340.
- Heindl, B. (1990) Dominanzgesellschaften der innersten Straßenrandzone als Indikatoren für standörtliche Veränderungen. In: Verhandlungen der Gesellschaft für Ökologie (Osnabrück 1989), Riewenherm, S. und Lieth, H. (Hrsg.), XIX/II: 616-623.

- Ullmann, I., Heindl, B. und Schug, B. (1990) Naturräumliche Gliederung der Vegetation auf Straßenbegleitflächen im westlichen Unterfranken. *Tuexenia* 10: 197-222.
- Heindl, B. and Ullmann, I. (1991) Roadside vegetation in Mediterranean France. *Phytocoenologia* 20: 111-141.
- Heindl, B. (1992) Untersuchungen zur ökologischen und geographischen Gliederung der Vegetation auf Straßenbegleitflächen innerhalb eines Nord-Süd-Transekts zwischen dem Nordwestdeutschen Tiefland und der mediterranen Küstenebene. *Dissertationes Botanica* 86, 250 S.
- Heindl, B., Ostendorf, B. und Köstner, B. (1995) Lage und Charakterisierung des Einzugsgebietes Lehstenbach. In: Wassereinzugsgebiet Lehstenbach - das BITÖK-Untersuchungsgebiet am Waldstein (Fichtelgebirge, NO-Bayern), Göttlein, A. und Manderscheid, B. (Hrsg.), *Bayreuther Forum Ökologie* 18: 7-14
- Heindl, B. und Bott, H. (1995) Charakterisierung der Bodenvegetation im Einzugsgebiet Lehstenbach. In: Wassereinzugsgebiet Lehstenbach - das BITÖK-Untersuchungsgebiet am Waldstein (Fichtelgebirge, NO-Bayern), Göttlein, A. und Manderscheid, B. (Hrsg.), *Bayreuther Forum Ökologie* 18: 49-63
- Zink, T.A., Allen, M.F., Heindl-Tenhunen, B., and Allen, E.B. (1995) The effects of a disturbance corridor on an ecological reserve. *Restoration Ecology* 3: 304-310
- Wedler, M., Heindl, B., Hahn, S., Köstner, B., Bernhofer, Ch., and Tenhunen, J.D. (1996) HartX'92 - Vegetation-Atmosphere Coupling of a Scots Pine Plantation: Model-based Estimates of Water Loss from "Patches" of the Understory Mosaic of the Hartheim Scots Pine plantation. *Theoretical and Applied Climatology* 53: 135-144
- Wedler, M., Geyer, R., Heindl, B., Hahn, S., and Tenhunen, J.D. (1996) HartX'92 - Vegetation-Atmosphere Coupling of a Scots Pine Plantation: Leaf-level Gas Exchange and Scaling-up of Forest Understory Carbon Fixation Rates with a "Patch-Scale" Canopy Model. *Theoretical and Applied Climatology* 53: 145-156
- Ryel, R.J., Beyschlag, W., Heindl, B., and Ullmann, I. (1996) Experimental studies on the competitive balance between two Central European roadside grasses with different growth forms: 1. Field experiments on the effects of mowing and maximum leaf temperatures on competitive ability. *Botanica Acta* 109: 441-448.
- Gollan, T. und Heindl, B. (1997) Bayreuther Institut für Terrestrische Ökosystemforschung. In: *Handbuch der Umweltwissenschaften*, Kap. V-4.6
- Tenhunen, J.D., Matzner, E., Heindl, B., Chiba, H., and Manderscheid, B. (2001) Assessing Environmental Influences on Ecological Function of a Spruce Forest Catchment in the Fichtelgebirge. In: J. Tenhunen, R. Lenz, and R. Hantschel (eds), *Ecosystem Approaches to Landscape Management in Central Europe*, Ecological Studies, Springer Verlag, Heidelberg.
- Heindl-Tenhunen, B., Zedda, L., Nash, T.H. III, Barber, A., Neubacher, D., Triebel, D. & Rambold, G. (2008) "[LIAS light](#)" – an online-identification tool for lichens. – In Nash, T.H. III & Seaward, M.R.D. (eds.), *Lichenological Abstracts*. The 6th IAL Symposium and Annual ABLIS Meeting Asilomar, Pacific Grove, CA, USA, 13-19 July, 2008. - 27-28. Tempe, AZ.
- Triebel, D., Neubacher, D., Weiss, M., Heindl-Tenhunen, B., Nash, T.H. III & Rambold, G. (2010) [Integrated](#) biodiversity data networks for lichenology - data flows and challenges. – In: Nash, T.H. III et al. (eds.): *Biology of Lichens – Symbiosis, Ecology, Environm. Monitoring, Systematics, Cyber Applications*. Bibliotheca

Lichenologica 105: 47-56. J. Cramer in der Gebr. Borntraeger
Verlagsbuchhandlung, Stuttgart.

Rambold, G., Elix, J.A., Köhler, T., Nash, T.H. III, Neubacher, D., Reichert, W., Heindl-
Tenhunen, B., Zedda, L. & Triebel, D. (2013) LIAS light – Towards the ten
thousand species milestone. MycoKeys 8, 11-16, doi: 10.3897/mycokeys.8.6605