

# Hafdís Hanna Ægisdóttir

## *Curriculum vitae*

### Education

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#### University of Basel, Switzerland 2003-2007

- PhD in Botany. Supervisor: Professor Jürg Stöcklin.
- Thesis title: Plant reproduction in the alpine landscape: Reproductive ecology, genetic diversity and gene flow of the rare monocarpic *Campanula thyrsoides* in the Swiss Alps.
- Several courses taken at the Plant Science Center ([www.plantscience.ethz.ch/](http://www.plantscience.ethz.ch/)), including courses on leadership, business and management, university teaching and learning, statistics, seminar in plant ecology etc.
- Participation in several field courses on plant ecology in the Alps, as well as on the mediterranean flora in Southern France, and the ecology and evolution of the vegetation of a subtropical island on Tenerife, Canary Islands

#### University of Iceland, Reykjavík, Iceland 2000-2003

- M.Sc. in Biology. Supervisor: Professor Thóra Ellen Thórhallsdóttir.
- Thesis title: Reproductive biology, morphological and genetic variation in *Campanula uniflora* in Iceland, Greenland and Svalbard.
- Guest student at the University of Copenhagen, Denmark for 18 months, studying methodology and working on field data in the population ecology laboratory.
- Field work in Iceland, Svalbard, and West Greenland for M.Sc. project.

#### University of Iceland, Reykjavík, Iceland 1997-2000

- B.Sc. in Biology with emphasis on ecology and environmental sciences
- Research project: Seed production and quality of *Saxifraga hirculus* in a large, continuous habitat and small, isolated habitats (in Icelandic).
- Botanical and zoological field course to Malasia and Singapore, June 1999.

### Work Experience

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#### Land Restoration Training Programme, Agricultural University of Iceland. From 2008

- Main duties include the overall directive responsibility, organization, curriculum development, and administration of the programme. This includes traveling to interview and select suitable candidates in their home countries, and to establish contacts and partners for the programme among local and international organizations and institutions.

#### Agricultural University of Iceland. From 2008

- Researcher on ITEX International Tundra Experiment. The effect of climate change and land use on Icelandic highland ecosystems.

#### University of Iceland. The Icelandic Landscape Project . Summer 2007 and January - April 2008.

- Research on classification and description of Icelandic landscapes in collaboration with numerous scientists and scholars in the field of biology, geography, and philosophy .

**Galápagos, Ecuador. February and March 2007.**

- Participation in the Danish Galathea 3 Expedition (<http://www.galathea3.dk/uk>) to the Galapagos islands.
- Main research project: The evolution within reproduction systems of plant species that have dispersed from continents to remote islands

**University of Iceland, Institute of Biology. Summer 1999**

- Research assistant in Thjórsárver Nature Reserve, central Iceland.
- Main project: Reproductive Ecology of the Icelandic highland flora.

**Public Health Authority of the Hafnarfjörður Area, Iceland. Summer 1998**

- Responsibilities: To study the water protectorate of the municipalities of Hafnarfjörður and Gardabær, SW Iceland.

**Teaching**

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**Agricultural University of Iceland.**

- *Plant Ecology*. Lecturer (from 2009) and course organizer (from 2010).

**University of Basel, Switzerland, Institute of Botany.**

- *Flora and Vegetation of Iceland*. Organization and guidance in an 11 day ecological and botanical field excursion in Iceland for M.Sc. and PhD students from the University of Basel, Switzerland. Summer 2005.
- Lecturer in *Processes and genes in Alpine ecosystems*, 2004-2007
- Teaching assistant in a field course in plant ecology, held in various places in the Swiss Alps, 2004-2006.
- Supervisor of a M.Sc. student in plant ecology, 2003-2004.

**Denmarks International Study Program (DIS) in partnership with the University of Iceland**

- Teaching assistant at the Arctic Biology, DIS summer program in Iceland. Summer 2002.

**University of Iceland, Faculty of Natural Sciences.**

- Teaching assistant in: a) *Botany*, b) *Summercourse in ecology, zoology, and botany*, c) *Ecology B* (for non biologist), d) *Naturegeography*. 2001-2003.

**Other appointments and social activities**

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2009-2010	Editorial board member of the book <i>Arfleifð Darwins: Þróunarfræði, náttúra og menning</i> (e. Darwin's legacy: Evolution, nature and culture).
2009	Member of a committee organizing events to celebrate and honour Darwins 200 <sup>th</sup> anniversary.
From 2009	Substitute member of the Icelandic Ministry for Foreign Affairs Committee on International Development.
2008 – 2009	Board member of the NGO <i>Framtíðarlandið</i> (e. Future Iceland)
1995 – 2005	Classical singing lessons
1998 – 2000	Students representative in the Icelandic Biological Society
From 1994	Training and membership with the Search and Rescue Team in Hafnarfjörður, Iceland

## Language skills

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- Icelandic: native language
- English: fluent
- German: very good
- Danish: very good
- Norwegian: good
- Spanish: fair understanding

## Publications

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### Peer-reviewed

**Hafís Hanna Ægisdóttir**. 2010. Lífríki á eyjum: sérstaða og þróun (e. The uniqueness and evolution of island biota). In: *Arfleifð Darwins. Þróunarfræði, náttúra og menning* (e. Darwin's legacy. Evolutionary biology, nature and culture). Eds: Arnar Pálsson, Bjarni Kr. Kristjánsson, **Hafís Hanna Ægisdóttir**, Snæbjörn Pálsson, and Steindór J. Erlingsson. Hið íslenska bókmenntafélag.

**Ægisdóttir HH**, Kuss P & Stöcklin J. 2009. High genetic diversity and moderate population differentiation despite natural fragmentation in a rare monocarpic alpine plant. *Annals of Botany*, 104 (7): 1313-1322

Kuss, P, Rees M, **Ægisdóttir HH**, Ellner SP & Juerg Stöcklin. 2008. Evolutionary demography of long-lived monocarpic perennials: a time-lagged integral projection model. *Journal of Ecology*, 96: 821-832.

Kuss P, Pluess AR, **Ægisdóttir HH** & Stöcklin J. 2008. Spatial isolation and genetic differentiation in naturally fragmented plant populations of the Swiss Alps. *Journal of Plant Ecology*, 1(3): 149-159.

**Ægisdóttir HH**, Koller B, Kuss P & Stöcklin J, 2007. Development and characterization of microsatellite DNA markers for the Alpine plant species *Campanula thyrsoides*. *Molecular Ecology Notes* 7, 996-997.

Kuss P, **Ægisdóttir HH** & Stöcklin J. 2007. The biological flora of Central Europe: *Campanula thyrsoides*. *Perspectives in Plant Ecology, Evolution and Systematics* 9, 37-51.

**Ægisdóttir HH**, Jespersen D, Kuss P & Stöcklin J, 2007. No Inbreeding depression in an outcrossing alpine species: the breeding system of *Campanula thyrsoides*. *Flora* 202; 218-225.

**Ægisdóttir HH** & Thórhallsdóttir TE, 2006. Breeding system evolution in the Arctic: a comparative study of *Campanula uniflora* in Greenland and Iceland. *Arctic, Antarctic and Alpine Research* 38 (3), 305-312.

**Ægisdóttir HH** & Þórhallsdóttir ÞE, 2004. Theories on migration and history of the North-Atlantic flora: a review. *Jökull* 54, 1-16.

### Writings and Reports

**Hafís Hanna Ægisdóttir**, 1998. Úttekt vatnsverndarsvæðis í lögsögu Hafnarfjarðar (e. A study on the water protectorate in the Hafnarfjörður area). Heilbrigðiseftirlit Hafnarfjarðarsvæðis (e. Public Health Authority of the Hafnarfjörður area).

**Hafdís Hanna Ægisdóttir**, 1998. Úttekt vatnsverndarsvæðis í lögsögu Garðabæjar (e. A study on the water protectorate in the Garðabær area). Heilbrigðiseftirlit Hafnarfjarðarsvæðis (e. Public Health Authority of the Hafnarfjörður area).

## **Conferences and public engagement**

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### Presentations:

**Hafdís Hanna Ægisdóttir**. 2009. Alþjóðlegur landgræðsluskóli: tilgangur og tækifæri (e. International Land Restoration Training Programme: aims and opportunities). Conference held by the Icelandic Biological Society, 6-7 November 2009.

**Hafdís Hanna Ægisdóttir**. 2009. Landgræðsluskólinn – tilgangur og tækifæri (e. Land Restoration Training Programme – aims and opportunities). A seminar at the Icelandic Natural History Museum. 18 February 2009.

**Hafdís Hanna Ægisdóttir**. 2009. Plöntulíf á háfjöllum: Æxlunarvistfræði og erfðabreytileiki alþaplöntu (e. Alpine Plant Life: reproductive ecology and genetic diversity of an alpine plant species). A seminar at the Agricultural University of Iceland. 26 January 2009.

**Hafdís Hanna Ægisdóttir**. 2009. Vistfræði og þróun á Galapagoseyjum á ári Darwins (e. The year of Darwin: Ecology and evolution on Galapagos islands). Reykjavík - Breidholt Rotary Club, 12 January 2009.

**Hafdís Hanna Ægisdóttir**. 2008. Galapagoseyjar - undraveröld á krossgötum (e. Galapagos islands – magical world at crossroads). Seminar held by the Ecuadorian culture festival in the municipality of Kopavogur. 9 October 2008.

**Hafdís Hanna Ægisdóttir**. 2008. Galapagoseyjar - undraveröld á krossgötum (e. Galapagos islands – magical world at crossroads). Borgir – Kópavogur Rotary Club, 9 October 2008.

**Hafdís Hanna Ægisdóttir**, 2008. Galápagoseyjar – paradís í hættu? (e. Galapagos islands - paradise in danger?). The Icelandic Natural History Society, 28 January 2008.

Scheepens, J.F. Armbruster, G.F.J., **Ægisdóttir, H.H.**, Kuss, P., J. Stöcklin. 2008. Spatial genetic structure of *Campanula thyrsoides* mirrors postglacial recolonization and reveals four evolutionary units. The EURECO-GFOE conference "Biodiversity in an Ecosystem Context" Leipzig, Germany, 15.-19 September 2008.

**Ægisdóttir HH**, Kuss P, Stöcklin J. 2006. Hardly any inbreeding in an alpine outcrosser: the reproductive biology of *Campanula thyrsoides*. Plant Population Biology. 19th annual conference of the Ecological Society of Germany, Switzerland and Austria, - section Plant Population Biology. Universität Halle, Germany, 24-27 May, 2006.

Kuss P, Hänger J, **Ægisdóttir HH**, Stöcklin J, 2006. Big bang in the mountains – demography of *Campanula thyrsoides* and its implications for long-term persistence. Plant Population Biology. 19th annual conference of the Ecological Society of Germany, Switzerland and Austria, - section Plant Population Biology. Universität Halle, Deutschland, 24-27 May, 2006.

**Hafdís Hanna Ægisdóttir**, 2005. Eis, Feuer und Pflanzen – Flora, Landschaft und Geologie Islands. Basler Botanisches Gesellschaft, 28 October, 2005.

**Ægisdóttir HH**, Þórhallsdóttir ÞE, 2004. Ördeyða eða ísaldarafdrep? Af kenningum um sögu flórunnar við norðanvert Atlantshaf (e. Tabula rasa or glacial survival? Theories on the history of

the North Atlantic flora). Conference held by the Icelandic Biological Society and the Institute of Biology (University of Iceland), 19-20 November, 2004.

Thórhallsdóttir, TE., **Ægisdóttir, HH**, 2004. Flora of Iceland: characteristics and history. 5<sup>th</sup> International Symposium on Fauna and Flora of Atlantic Islands, University College Dublin, Ireland, 24 –27 August, 2004.

**Ægisdóttir HH** & Thórhallsdóttir TE, 2004. Reproductive Ecology and Genetic Diversity in Populations of *Campanula uniflora* in Iceland, Greenland and Svalbard. 17<sup>th</sup> annual conference of the Ecological Society of Germany, Switzerland and Austria- section Plant Population Biology. University of Regensburg, Germany, 19-23 May, 2004.

**Ægisdóttir HH** & Thórhallsdóttir T. E., 2002. Reproductive biology and genetic diversity in populations of *Campanula uniflora* in Iceland, Greenland and Svalbard. 16th SCAPE meeting, 1-3 November, 2002.

#### Posters

**Hafís Hanna Ægisdóttir**, Patrick Kuss, Jürg Stöcklin. 2009. Einangrað líf sjaldgæfrar alpaplöntu (e. Isolated life of a rare alpine species). Conference held by the Icelandic Biological Society, 6-7 November 2009.

**Ægisdóttir HH**, Jespersen D, Kuss P & Stöcklin J., 2005. To self or not to self. Progress in Plant Population Biology. 18th annual conference of the Ecological Society of Germany, Switzerland and Austria- section Plant Population Biology. University of Potsdam, Germany, 4-6 May, 2005. Award for best poster.

**Ægisdóttir HH** & Þórhallsdóttir ÞE. 2004. Æxlunarvistfræði og erfðabreytileiki fjallabláklukku (*Campanula uniflora*) við N-Atlantshaf (e. Reproductive ecology and genetic diversity of *Campanula uniflora*). Conference held by the Faculty of Sciences, University of Iceland, Reykjavík, Iceland, 16-17 April, 2004.

**Ægisdóttir HH** & Thórhallsdóttir T. E., 2001. Reproduction and genetic variation in populations of *Campanula uniflora*. The Arctic on Thinner Ice: The First NARP symposium, 10-11 May, 2001.

Eysteinsdóttir, E. Th., Thórhallsdóttir, T. E., Leplar, C.G & **Ægisdóttir, H.H.**, 2000. What limits seed production and maturation in the central highland of Iceland? From Decade to Millennium: The 10th ITEX meeting, Abisko, 22 – 25 September, 2000.

**Ægisdóttir HH** & Þórhallsdóttir ÞE, 1999. Fræframleiðsla og frægæði gullbrár (*Saxifraga hirculus*) í stóru búsvæði og á litlum búsvæðaejum (e. Seed production and quality of *Saxifraga hirculus* in a large, continuous habitat and small, isolated habitats). Biological Research in Iceland, a conference held by the Icelandic Biological Society, November, 1999.