

## Education

1997 – 2001	Elementary school Albstadt-Laufen
2001 – 2007	High school Albstadt-Ebingen
2007 – 2010	Economy high school Albstadt-Ebingen
2011 – 2014	B.Sc. 'Forestry', University of Applied Sciences and Arts, Göttingen (Germany)
2014 – 2016	M.Sc. 'Ecosystem Analysis and Modelling', University of Göttingen (Germany)

## Internships, Research visits

31/08/2009 – 11/09/2009	State forestry department <i>Heuberg</i> , Messstetten (Germany)
02/08/2010 – 27/08/2010	State forestry department <i>Heuberg</i> , Messstetten (Germany)
02/06/2011 – 01/08/2011	<i>Wise Batten Inc.</i> , Timber management, Estill, SC (USA)
04/11/2013 – 30/03/2014	<i>SilvaTerra Ltd.</i> , Forestry consulting and research, Lilongwe (Malawi)
01/09/2015 – 01/10/2015	<i>Northwest German Forestry Research Institute</i> , Department of growth modeling, Göttingen (Germany)
18/10/2017 – 21/12/2017	<i>Department of Ecology, Evolution, and Organismal Biology</i> , Iowa State University, Ames (USA)

## Workshops

07/09/2013 – 22/09/2013	Fire protection and management, Cyprus Forestry College, Podromos (Cyprus)
02/04/2017 – 07/04/2017	Advances in spatial analysis of multivariate ecological data: Theory and practice, Port Talbot (UK)
18/01/2018 – 19/01/2018	Deep learning with <i>Keras</i> and <i>TensorFlow</i> , Solingen (Germany)
26/03/2018 – 30/03/2018	Spatial modelling <i>inlabru</i> , St. Andrews (GB)

## Conferences

- 29/04/2017 – 05/05/2017    *Young Modellers in Ecology*, Freiburg (Germany)  
10/09/2018 – 14/09/2018    *48th Annual Meeting of the Ecological Society of Germany, Austria and Switzerland*, Vienna (Austria)

## Publications

1. Hesselbarth, M.H.K. (2017). Exploring habitat associations of tree species in a temperate, old-growth beech forest. Poster presented *Young Modellers in Ecology*. Freiburg (Germany). Conference poster.
2. Hesselbarth, M.H.K.; Wiegand, K.; Dreber, N.; Kellner, K.; Esser, D.; Tsvuura, Z. (2018). Density-dependent spatial patterning of woody plants differs between a semi-arid and a mesic savanna in South Africa. *Journal of Arid Environments*. 157, 103-112, <https://doi.org/10.1016/j.jaridenv.2018.06.002>
3. Hesselbarth, M.H.K.; Wiegand K. (2018). A simulation study comparing methods to analyze species-habitat associations of forest trees. *48th Annual Meeting of the Ecological Society of Germany, Austria and Switzerland*. Vienna (Austria). Conference poster.

### Peer reviewer for scientific journals:

Journal of Tropical Ecology

Plant and Soil

Perspective in Plant Ecology, Evolution and Systematics