

Curriculum Vitae

Johannes Albertsson

Johannes Albertsson
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EDUCATION

- 2010 - 2014** *PhD* (Subject: Agricultural Science / Lantbruksvetenskap), Swedish University of Agricultural Sciences. The primary objective of the thesis was to determine the possibilities to improve the environmental profile of willow (a bioenergy crop) by omitting the use of herbicides during establishment. Therefore, one study in the thesis investigated whether 12 willow clones differed in their ability to compete with weeds and whether this ability was affected by cutting back the first-year shoots. Another study compared the efficiency of cover crops and mechanical weed control methods with those of the present weed control practice in willow. To account for clonal differences in response to these control measures, two different willow clones were compared in that study. During my doctoral studies, I taught statistics and pest and disease control to undergraduate students. I graduated in October 2014.
- 2002 - 2008** *Master of Science in Horticulture*, Swedish University of Agricultural Sciences, Sweden, 300 ECTS. Focus of studies: Plant protection and environmental issues.
- 1993 - 1995** *Electrical Engineering Telecommunications*, Växjö University, Sweden, 120 ECTS
- 1990 - 1993** *Upper secondary technical school*, Haganässkolan, Älmhult, Sweden

WORK EXPERIENCE

- 2018 - ongoing** *Researcher*, Swedish University of Agricultural Sciences. I mainly work as a station manager at Lönnstorp research station with a project named SITES (Swedish Infrastructure for Ecosystem Science). SITES is a national infrastructure for ecosystem research that facilitates long-term, world-class field based ecosystem research. I'm also the course leader and examiner of a 15 hp programme course (BI1253) in the Agricultural and Rural Management Bachelor's Degree Programme. In addition, I'm involved in other courses e.g. Horticultural Production Systems (BI1143) and Sustainable Production Systems in a Global Perspective (BI1192). I have also been a supervisor for several bachelor's and master's theses.
- 2015 - 2018** *Post doc*, Swedish University of Agricultural Sciences. I worked in a European project named Climate-CAFÉ. My focus in this project was to obtain new knowledge from Swedish long-term experiments regarding climate change adaptability of different cropping systems. I also took part in workshops together with farmers for design of innovative cropping systems that will have a high adaptive capacity to climate change. Furthermore, I taught classes in basic statistics and weed management.
- 2014 - 2015** *Research Assistant*, Swedish University of Agricultural Sciences. I studied the weed succession in willow plantations and how the biomass production of different willow clones was affected by site and management methods. I was also involved in a project together with the Technical Research Institute of Sweden (SP) that investigated how the moisture content in willow shoots varies during a year.
- 2010 - 2014** *PhD-student*, Swedish University of Agricultural Sciences. See education above.
- 2008 - 2010** *Research Assistant*, Swedish University of Agricultural Sciences. I studied different methods to apply physically acting pesticides in fruit and berry production. I was also involved in projects that studied nutrient management issues in potato production.
- 2008** *Project Coordinator*, Swedish University of Agricultural Sciences. I worked with different research- and development projects at the Garden Laboratory (Alnarp).
- 2007** *Research Assistant*, part time (5 months), Swedish University of Agricultural Sciences. I worked in a project with the aim to identify the brassica pod midge sex pheromone. In this project I used methods such as GC-EAD.
- 2007** *Teaching Assistant*, part time, (3 month), I was responsible for exercises and administration within the Environmental Issues course (15 ECTS) at the Swedish University of Agricultural Sciences.

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- 2005** *Research Assistant*, full time (2 months), Swedish University of Agricultural Sciences. I worked in a project with the aim to better manage the pine processionary moth.
- 2004 – 2007** *Gardener*, part time, Swedish University of Agricultural Sciences. I was among other things responsible for the pest and disease control at the Garden Laboratory (Alnarp).
- 2000 – 2002** *Test engineer*, Ericsson Radio Systems AB. I developed and performed full scale tests of Ericsson's GMS system (BSS, AXE).
- 1997 – 2000** *System administrator*, Europolitan AB. I administrated UNIX and Windows systems.
- 1996 – 1997** *Service engineer*, Telia AB. I performed calibration of different electronic instruments.

COMPETENCES

Bioenergy, Biomass, Renewable Energy, Willow, Short Rotation Coppice, Weeds, Weed Management, Weed competitiveness, Statistics, Cropping Systems, Climate Change, Agronomy, Teaching.

SELECTED PUBLICATIONS

- 2016** Albertsson, J., Verwijst, T., Rosenqvist, H., Hansson, D., Bertholdsson, N-O. & Åhman I (2016). Effects of mechanical weed control or cover crop on the growth and economic viability of two short-rotation willow cultivars. *Biomass and Bioenergy*, 91, 296-305. [Journal article].
- 2015** Stephan JG, Albertsson J, Wang L & Porcel M (2015). Weeds within willow short-rotation coppices alter the arthropod community and improve biological control of the blue willow beetle. *BioControl*, 61, 103-114. [Journal article].
- 2015** Verwijst, T. & Albertsson, J. (2015). Assumptions made in protocols for shoot biomass estimation of short-rotation willow clones underlie differences in results between destructive and non-destructive methods. *Bioenergy Research*, 8, 1424-1432. [Journal article].
- 2014** Albertsson, J., Verwijst, T., Hansson, D., Bertholdsson, N-O. & Åhman I. (2014). Effects of competition between short-rotation willow and weeds on performance of different clones and associated weed flora during the first harvest cycle. *Biomass & Bioenergy*, 70, 364–372. [Journal article].
- 2014** Albertsson, J. (2014) Impact and control of weeds in biomass willow clones (2014). Swedish University of Agricultural Sciences, Acta Universitatis agriculturae Sueciae, 1652-6880 ; 2014:63 [Dissertation]
- 2014** Albertsson, J., Hansson, D., Bertholdsson, N-O. & Åhman I. (2014). Site-related set-back by weeds on the establishment of 12 biomass willow clones. *Weed Research*, 54(4), 398-407. [Journal article].
- 2013** Verwijst, T., Lundkvist, A., Edelfeldt, S. & Albertsson, J. (2013). Development of sustainable willow short rotation forestry in northern Europe. In: Matovic, M.D. (ed.) *Biomass Now - Sustainable Growth and Use*. InTech, pp. 479-502. [Book chapter]

PEDAGOGICAL COURSES (SLU)

- Teaching in Higher Education, basic course (3 weeks)
Teaching in higher education, step two (2 weeks)
Course in Grading and Assessment (3 days)
Education for sustainable development; course leaders (2 days)

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GRANTED APPLICATIONS

- 2018** SMHI (main-applicant), Gröddiversifieringsindikator, 271 650 SEK
- 2018** Partnerskap Alnarp (co-applicant), Cover crops after harvest of starch wheat as a pre-crop to sugar beet, 315 000 SEK
- 2017** Ekagastiftelsen (co-applicant), Food quality and pre-crop value of organically cultivated lentils, 790 000 SEK

LANGUAGE & COMPUTER SKILLS

Swedish (native), **English** (fluent), **MS - Office** (advanced user), **SAS and Minitab** (advanced user).

MISCELLANEOUS

Driver's license