

**Curriculum vitae – Ylva Hillbur**  
**Division of Chemical Ecology**  
**Department of Plant Protection Biology**  
**SLU, Alnarp, Sweden**

**Born** October 26 1964, Ronneby, Sweden  
**Married** June 15, 1991, Per Hillbur  
**Children** Julia, born July 19, 1991  
Filippa, born November 20, 1993

**Academic education and degrees**

Ph. D., Plant Protection Ecology, SLU, 2001  
M. Sc., Biology, Lund University, 1993

**Positions held**

2005- Assistant professor, Dept. of Crop Science, SLU, Alnarp  
2001- Researcher, Dept. of Crop Science, SLU, Alnarp  
1993-2001 PhD student position, in Plant Protection Ecology at SLU, Alnarp  
1990-1993 Research assistant, Dept of Ecology, Lunds University

**Parental leave**

100% maternal leave, November 1993 - April 1995

**Extramural grants**

Stiftelsen Lantbruksforskning 2008-2012	Inventering av vecklararter i svenska äppelodlingar
Stiftelsen Lantbruksforskning 2008	Feromonbaserat prognosystem för skidgallmygga - fortsättningsstudie
Stiftelsen Lantbruksforskning 2007	Feromonbaserat prognosystem för skidgallmygga i olje- växter – inledande undersökningar
FORMAS 2006-2016	Linnéstöd, Insect Ecology, Ethology and Evolution IC-E3 Project leader: Bill S Hansson
NOVA 2006	Funding for PhD student course Insect Chemical Ecology
SIDA, Int. Programkontoret 2006-2009	Linnaeus Palme grant for teaching exchange between SLU and Addis Ababa University (AAU), Ethiopia
IFS/MISTRA 2006-2008	Swedish African Research Network on Insect Chemical Ecology – SLU, MPI, AAU, ICIPE (Kenya)
Stiftelsen Lantbruksforskning 2006-2008	Feromonbaserad prognos av vetemyggor för minskad användning av insekticider
Sida/SAREC 2005-2007; 2007-2009	Mass trapping for control of sorghum chafer, <i>Pachnoda interrupta</i> , in Ethiopia
Stiftelsen Lantbruksforskning, 2002-2004 CF Lundströms stiftelse 2002 I Sörenssons fond, SLU 2003	Identification of the sex pheromone of the lemon wheat blossom midge, <i>Contarinia tritici</i> , for efficient monitoring and quantification of field population
Carl Tryggers Stiftelse, 2004	Pheromone-based control of wheat midges by mating disruption
Sida/SAREC 2002-2008	PhD Training programme at Addis Ababa University
Royal Swedish Academy of Science 2002-2003	Insect chemical ecology – understanding odour detection in <i>Drosophila</i> and application in gall midge IPM
Carl Tryggers Stiftelse,	Control of the pea midge, <i>Contarinia pisi</i> , by means of

2000	host plant odour
Swiss Federal Research Station for Fruitgrowing, Viticulture and Horticulture (FAW), 2001	Pheromone communication in the Swede gall midge, <i>Contarinia nasturtii</i> , and development of a monitoring system based on pheromone traps
JLT-fakulteten, SLU 1993-1999 Kungliga Fysiografiska Sällskapet 1995	Identification of the sex pheromone of the pea midge, <i>Contarinia pisi</i> , and development of a monitoring method based on pheromone traps

### Supervision, PhD and licentiate

2009-	Second supervisor of Patrick Sjöberg
2009-	Second supervisor of Elin Isberg
2007-	Second supervisor of Hamida Khbaish
2007-	Second supervisor of Tina Boddum
2005 -2010	Second supervisor of Jonas Bengtsson
2003 -2008	Second supervisor of Yitbarek wolde Hawariat
2003 -2005	Second supervisor of Felipe Bosa
2003 -2004	Second supervisor of Malin Celander

### Supervision, MSc

2008	Supervisor of Patrick Sjöberg (SLU)
2007	Supervisor of Johannes Albertsson (SLU)
2006	Supervisor of Tina Boddum (Southern Denmark University, Odense, Denmark)
2006	Supervisor of Johnny Möllerström (Lund University)
2006	Supervisor of Martin Andersson (Lund University)
2003	Supervisor of Marit Wirén (SLU)

### Teaching

Postgraduate level	Responsible for international PhD student course in Insect Chemical Ecology, SLU (2005)
Graduate level	Responsible for master's course 'Insect Chemical Ecology ', SLU (2005 - 2007)
	Responsible for three 10 credit courses in Environmental management in agricultural and horticultural production, SLU (2006-2007)
	Responsible for course in Ecology, lantmästare, SLU (2002-2008)
	Co-responsible for course in Ecology, students of horticulture, (SLU/KVL) (2003 -2006)
	Facilitator in PBL (problem based learning), students of horticulture, DSH (SLU/KVL) (2001-2002)
	Responsible for course in Plant Protection, lantmästare SLU (2000 - 2006)
	Insect morphology and physiology, students of horticulture (1998 - 2000)

### Scientific meetings

Organization – International meetings (3)  
Invited lectures – International meetings (7)

### Assignments

Head of Department of Plant Protection Biology (2006 - )  
Deputy member of the appointments board at the Alnarp faculty, SLU (2004 -2006)  
Member of the Editorial Board of Journal of Chemical Ecology (2010 - )  
Referee of journals  
Canadian Entomologist  
Bulletin of Entomological Research  
Entomologia Experimentalis et Applicata  
Journal of Chemical Ecology  
Northeastern Naturalist  
Environmental Entomology  
Pan-Pacific Entomology  
Naturwissenschaften

International Foundation of Science, IFS, Evaluation committee

Mentor in mentor-program Geneco at Lund Univeristy for PhD student Sanna Harris (2009)

## Publications

- Boddum T, Skals N, Hill SR, Hansson BS, Hillbur Y. Gall midge olfaction: Pheromone sensitive olfactory neurons in *Contarinia nasturtii* and *Mayetiola destructor*. *Submitted*
- Bengtsson JB, Wolde-Hawariat Y, Negash M, Jembere B, Seyoum E, Larsson MC, Hansson BS, Hillbur Y. Behavioral evidence for pheromone-based communication in sorghum chafer, *Pachnoda interrupta*. *Submitted*
- Molnár B, Boddum T, Szocs G, Hillbur Y. 2009. Occurrence of two pest gall midges, *Obolodiplois robiniae* (Haldeman) and *Dasineura gleditchiae* (Osten Sacken) (Diptera: Cecidomyiidae) on ornamental trees in Sweden. *Entomologisk tidskrift*, 130: 113-120
- Bengtsson JB, Khbaish H, Wolde-Hawariat Y, Negash M, Jembere B, Seyoum E, Larsson MC, Hansson BS, Hillbur Y. 2009. Field attractants for *Pachnoda interrupta* (Coleoptera: Scarabaeidae): identification by means of GC-EAD and single sensillum screening. *Journal of Chemical Ecology*, DOI 10.1007/s10886-009-9684-7
- Boddum T, Skals N, Wirén M, Baur R, Rauscher S, Hillbur Y. 2009. Optimization of the pheromone blend of the swede midge, *Contarinia nasturtii*, for monitoring. *Pest Management Science*. DOI: 10.1002/ps.1762
- Andersson MN, Haftmann J, Stuart JJ, Cambron SE, Harris MO, Foster SP, Franke S, Francke W, Hillbur Y. 2009. Identification of sex pheromone components of the Hessian fly, *Mayetiola destructor*. *Journal of Chemical Ecology* 1: 81-95
- Wolde-Hawariat Y, Seyoum E, Bekele J, Negash M, Hansson BS, Hillbur Y. 2007. Behavioural and electrophysiological response of sorghum chafer *Pachnoda interrupta* (Coleoptera: Scarabaeidae) to plant compounds. *International Journal of Tropical Insect Science*, 27: 53-61
- Hillbur Y, Celander M, Baur R, Rauscher S, Haftmann J, Franke S, Francke W (2005) Identification of the sex pheromone of the swede midge, *Contarinia nasturtii*. *Journal of Chemical Ecology* 31, 1807-1828
- Hillbur Y (2004) Chemical Ecology in Insect Pest Management. *Journal of the Swedish Seed Association*, 1-2: 25-26
- Hillbur Y, Bengtsson M, Löfqvist J, Biddle A, Pillon O, Plass E, Francke W, Hallberg E (2001) A chiral sex pheromone system in the pea midge, *Contarinia pisi*. *Journal of Chemical Ecology* 27, 1391-1407
- Pillon, O. and Hillbur Y (2001) La Cécidomyie des fleurs du Pois, bilan 10 ans d'observations. *Phytoma*, 538:22-25
- Hillbur Y, El-Sayed A, Bengtsson M, Löfqvist J, Biddle A, Plass E, Francke W (2000) Laboratory and field study on the attraction of male pea midges, *Contarinia pisi*, to synthetic sex pheromone components. *Journal of Chemical Ecology* 26, 1941-1952
- Hillbur Y, Anderson P, Arn H, Löfqvist J, Bengtsson M, Biddle A, Smitt O, Högberg H-E, Plass E, Franke S, Francke W (1999) Identification of sex pheromone components in the pea midge, *Contarinia pisi* (Diptera: Cecidomyiidae). *Naturwissenschaften* 86, 292-294

## Extension

- Bengtsson M, Witzgall P, Hillbur Y. 2008. Insektsinvasion i klimatförändringens spår. <http://pub-epsilon.slu.se/350/01/Insektsinvasion.pdf>
- Svedelius G, Hillbur Y (eds). 2008. Alnarps forskare om klimatet – en nätantologi. <http://klimatantologi.slu.se/>
- Jönsson B, Hillbur Y, Albertsson J. 2007. Kålgallmyggan är en liten insekt som kan ge stora skador. *Viola* 20, 20-21
- Hillbur Y. 2005. Feromoner för prognos av bekämpningsbehovet av gallmyggor. *Meddelande från Södra Jordbruksförsöksdistriktet*, nr 58, 19:1-4 (ISSN 0282-180X)
- Hillbur Y (2004) Chemical Ecology in Insect Pest Management. *Journal of the Swedish Seed Association*, 1-2: 25-26
- Hillbur Y, Celander M (2004) Feromoner för prognos och kontroll av gallmyggor. *Jordbrukskonferensen 2004, Uppsala, Sweden*, p. 103-105
- Celander M, Hillbur Y (2003) Vetemyggor räknas i feromonfällor – effektiv prognos på väg. *Fakta Jordbruk*, nr 12
- Biddle A, Hillbur Y (2002) Midge monitoring cracked! *Pea & Bean Progress*, Spring 2002, p 6
- Biddle A, Hillbur Y (2002) Field tests with the pea midge pheromone. *Grain Legumes Magazine* 34, 22-23
- Hillbur, Y. 2001. Gallmyggor i klistret. *Notiser från SLU* 4
- Hillbur, Y. and Bengtsson, M (2001) Gallmyggor's feromoner i fokus – effektiv prognos möjlig. *Fakta Jordbruk*, nr 2
- Hillbur, Y. and Bengtsson, M (2001) Gallmyggor's feromoner i fokus – effektiv prognos möjlig. *Fakta Trädgård*, nr 2
- Pillon, O. and Hillbur Y (2001) La Cécidomyie des fleurs du Pois, bilan 10 ans d'observations. *Phytoma*, 538:22-25
- Biddle, A. and Hillbur, Y (2000) Field testing with the pea midge pheromone. *Pea & Bean Progress*, Winter 2000, p 9

## Patents

- Hillbur Y, Andersson MN. Gall midge pheromone mixture. (WO/2008/063119)
- Hillbur Y, Baur R, Rauscher S. Pheromones and method of preventing infestation of *Contarinia nasturtii*. (WO/2005/077174)

Löfqvist J, Hillbur Y, Plass E, Franke S, Francke W, Biddle A. Pheromones. (WO/1999/05948)