



# Xavier Pons

## Full professor

### Personal Information



**Position:** Full professor

**Area of expertise:** Entomology

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### University degrees

- Doctorat, Universitat Politècnica de Catalunya (UPC), 1986
- Enginyer Agrònom, UPC, 1983
- Enginyer Tècnic en Explotacions Agropecuàries, 1978

### Previous activities

- 2002 – Actualitat: Catedràtic d'Universitat, Universitat de Lleida (UdL), Departament de Producció Vegetal i Ciència Forestal
- 1996 – 2002: Professor Titular d'Universitat, UdL, Departament de Producció Vegetal i Ciència Forestal
- 1986 – 1996: Profesor Titular d'Escola Universitària, UdL, Departament de Producció Vegetal i Ciència Forestal
- 1982 – 1986: Profesor Associat, UPC, Escola Universitària d'Enginyeria Tècnica Agrícola de Lleida

### Research

- Integrated pest management in arable crops: maize, alfalfa and others.
- Biology, ecology and control of aphids.
- Integrated pest management of pests in urban green areas.



## Teaching

- INCENDIS I SANITAT FORESTAL      Grau en Enginyeria Forestal
  - SALUT SELS BOSCOS      Grau en Enginyeria Forestal
  - PROTECCIÓ VEGETAL      Grau en Enginyeria Agrària i Alimentària
  - ENTOMOLOGIA AGRÍCOLA      Màster Universitari en Protecció Integrada de C
- 
- PROGRAMES DE PROTECCIÓ INTEGRADA DE CULTIUS      Màster Universitari en Protecció Integrada de C

## Recent Publications

Comas C, Lumbierres B, **Pons X**, Albajes R. 2014. No effects of *Bacillus thuringiensis* maize on nontarget organisms in the field in southern Europe: a meta-analysis of 26 arthropod taxa. *Transgenic Research* 23: 135-143.

Albajes R, Lumbierres B, **Pons X**, Comas J. 2014. Changes in arthropod fauna from weed management practices in genetically modified herbicide-tolerant maize. *Journal of Agricultural Science* 6: 67-78.

Havelka J, Tomanovic Z, Kos K, Kavallieratos N, Janecek J, **Pons X**, Rakhshani E, Stary P. 2014. Mountain aphid and parasitoid guilds on *Aconitum* spp. in Europe. *Bulletin of Insectology* 67: 57-61.

Romeis J, Meissle M, Álvarez-Alfageme F, Bigler F, Bohan DA, Devos Y, Malone LA, **Pons X**, Rauschen S. 2014. Potential use of an arthropod database to support the non-target risk assessment and monitoring of transgenic plants. *Transgenic Research* DOI 10.1007/s11248-014-9791-2

Comas J, Lumbierres B, **Pons X**, Albajes R. 2014. Ex-Ante Determination of the Capacity of Field Tests to Detect Effects of Genetically Modified Corn on Nontarget Arthropods. *Journal of Economic Entomology* 106: 1659-1668.

**Pons X**, Lumbierres B, Comas J, Madeira F, Starý P. 2013. Effects of surrounding landscape on parasitism of alfalfa aphids in an IPM crop system in northern Catalonia. *BioControl* 58: 733-744.

Madeira F, Di Lascio A, Carlino P, Costantini ML, **Pons X**. 2013. Change in carbon stable isotope ratio of the predatory bug *Orius majusculus* after dietary shifts. *Entomologia Experimentalis et Applicata* 148: 287-296.

Albajes R, Lumbierres B, **Pons X**, Comas J. 2013. Representative taxa in field trials for environmental risk assessment of genetically modified maize. *Bulletin of Entomological Research* 103: 724-733

Vasileiadis VP, Moonen AC, Sattin M, Otto S, **Pons X**, Kudsk P, Veres A, Dorner Z, van der Weide R, Marraccini E, Pelzer E, Angevin F, Kiss J. 2013. Sustainability of European maize-based cropping systems: Economic, environmental and social assessment of current and proposed innovative IPM-based systems. *European Journal of Agronomy* 48: 1-11.

Havelka J, Tomanovic Z, Kavallieratos NG, Rakhshani E, **Pons X**, Petrovic A, Pike K, Starý P. 2012. Review and key to the world parasitoids (Hymenoptera: Braconidae: Aphidinae) of *Aphis ruborum* (Hemiptera: Aphididae) and its role as a host reservoir. *Annals of the Entomological Society of America* 105: 385-39



Lumbierres B, Albajes X, **Pons X**. 2012. Positive effect of Cry1Ab-expressing Bt maize on the development and reproduction of the predator *Orius majusculus* under laboratory conditions. *Biological Control* 63: 150-156.

Albajes R, Farinós GP, Pérez-Hedo M, de la Poza M, Lumbierres B, Ortego F, **Pons X**, Castañera P. 2012. Post-market environmental monitoring of Bt maize in Spain: Non-target effects of varieties derived from the event MON810 on predatory fauna. *Spanish Journal of Agricultural Research* 10: 977-985.

Lumbierres B, Stary P, **Pons X**. 2011. Effect of Bt maize on the plant-aphid-parasitoid tritrophic relationships. *Biocontrol* 56: 133-143.

Albajes R, Lumbierres B, **Pons X**. 2011. Two heteropteran predators in relation to weed management in herbicide-tolerant corn. *Biological Control* 59: 30-36.

**Pons X**, Lumbierres B, Ribes A, Stary P. 2011. Parasitoid complex of alfalfa aphids in an IPM intensive crop system in northern Catalonia. *Journal of Pest Science* 84: 437-445.

Vasileiadis V.P., Sattin M., Otto S., Veres A., Palinkas Z., Ban R., **Pons X**, Kudsk P., van der Weide R., Czembor E., Moonen A.C., Kiss J. 2011. Crop protection in European maize-based cropping systems: current practices and recommendations for innovative integrated pest management. *Agricultural Systems* 104:533-540.

**Pons X**, Lumbierres B., Ribes A., Stary P. 2011. Parasitoid complex of alfalfa aphids in an IPM intensive crop system in northern Catalonia. *Journal of Pest Science* 84(4):437-445.

Albajes R., Lumbierres B., **Pons X**. 2011. OGM tolerantes a herbicidas y organismos no objetivo. *Tierras de Castilla y León. Agricultura*, 181:60-64.

Havelka J., Shukhuk A.H., Ghaliow M.E., Laamari M., Kavallieratos N.G., Tomanovic Z., Rakhshani E., **Pons X**, Stary P. 2011. Review of invasive grapevine aphid, *Aphis illionensis* Shimer, and native parasitoids in the Mediterranean (Hemiptera, Aphididae; Hymenoptera, Braconidae, Aphidiinae). *Archives of Biological Sciences, Belgrade* 63: 269-274.

Albajes R., Lumbierres B., **Pons X**. 2011. Two heteropteran predators in relation to weed management in herbicide-tolerant corn. *Biological Control* 59(1):30-36.

Lumbierres B., Stary P., **Pons X**. 2011. Effect of Bt maize on the plant-aphid-parasitoid tritrophic relationships. *Biocontrol* 56: 133-143.

Meissle M., Mouron P., Musa T., Bigler F., **Pons X**, Vasileiadis V.P., Otto S., Antichi D., Kiss J., Palinkas Z., Dorner Z., van der Weide R., Groten J., Czembor E., Adamczyk J., Thibord J-B., Melander B., Cordsen N.G., Poulsen R.T., Zimmermann O., Verschwele A., Oldenburg E. 2010. Pests, pesticides use and alternative options in European maize production: current status and future prospects. *Journal of Applied Entomology-Zeitschrift für Angewandte Entomologie* 134:357-375.

Albajes R., Lumbierres B., **Pons X**. 2009. Responsiveness of arthropod herbivores and their natural enemies to modified weed management in corn. *Environmental Entomology* 38:944-954.

**Pons X**, Lumbierres B., Albajes R., 2009. Heteropterans as aphid predators in inter-mountain alfalfa. *European Journal of Entomology* 106:369-378



- Pérez-Hidalgo N., **Pons X.**, Mier-Durante M.P. 2008. Detection of *Drepanaphis acerifoliae* (Thomas (Hemiptera: Aphididae: Drepanosiphinae) on sugar maple trees, *Acer saccharinum*, in Spain. *Boletín Sociedad Entomológica Aragonesa* 43:1-4
- López C., Madeira F., **Pons X.**, Eizaguirre M. 2008. Desarrollo larvario y número de estadios larvarios de *peseudaletia unipuncta* alimentada con variedades de maíz y dos dietas semisintéticas. *Boletín de Sanidad Vegetal Plagas* 34
- Albajes A., Eizaguirre M., Casado D., Pérez M., López C., Lumbierres B, **Pons X.** 2008. Impact of glyphosate use on arthropods in transgenic herbicide-tolerant maize; preliminary results from studies in Spain. *IOBC/WPRS Bulletin* 33:23-29
- Pons X.**, Lumbierres B., López C., Eizaguirre E, Albajes R. 2007. Indicator species for testing non-target effects of Bt maize on natural enemies: a proposal. *IWGO Newsletter* 28(1):17-18
- Lumbierres B., Starý P., **Pons X.** 2007. Seasonal parasitism of cereal aphids in a Mediterranean arable crop system. *J Pest Sci* 80:125-130.
- Eizaguirre M., Albajes R., López C, Eras J., Lumbierres B., **Pons X.** 2006. Six years after the commercial introduction of Bt maize in Spain: field evaluation, impact and future prospects. *Transgenic Research*, 15: 1-12.
- Pons X.**, Lumbierres B., Stary P. 2006. Expansion of the aphid *Myzocallis* (*Lineomyzocallis*) *walshii* (Monell) on the red oak *Quercus rubra*, and adaptation of local parasitoids in the northeastern Iberian Peninsula (Hom., Aphididae, Calaphidinae; Hym., Braconidae, Aphidiinae). *Journal of Pest Science*, 79: 17-21.
- Pons X.**, Lumbierres, B., Eizaguirre, M., Albajes, R. Plagas de los espacios verdes urbanos: bases para su control integrado. *Bol. San. Veg. Plagas* 32:373-384
- Pons X.**, Nuñez E., Lumbierres B., Albajes R. 2005. Epigeal aphidophagous predators and the role of alfalfa as a reservoir of aphid predators for arable crops. *European Journal of Entomology*, 102: 519-525.
- De la Poza M., **Pons X.**, Farinós G.P., López C., Ortego F., Eizaguirre M., Castañera P., Albajes R. 2005. Impact of farm-scale Bt maize on abundance of predatory arthropods in Spain. *Crop Protection*, 24: 677-684.
- Eizaguirre M., Xanxo L., **Pons X.** 2005. Importance and control of soil pests in silage maize in the highlands of the Pyrenees, north-east Spain. *Crop Protection*, 24: 549-555.
- Pons X.**, Lumbierres B., López C., Albajes R. 2005. Abundance of non-target pests in transgenic Bt-maize: A farm scale study. *European Journal of Entomology*, 102: 73-79.
- Lumbierres B., **Pons X.**, Stary P. 2005. Parasitoids and predators of aphids associated with public green areas of Lleida (NE Iberian Peninsula). *Advances in Horticultural Science*, 19: 69-75.
- Lumbierres B., Fornells E., **Pons X.** 2004. Fenología, dinámica poblacional y daños de *Eucallipterus tiliiae* Linnaeus (Homoptera: Aphididae) en tilos ornamentales de la ciudad de Lleida. *Boletín de Sanidad Vegetal Plagas*, 30



**Pons X.**, Lumbierres B., Stary, P. 2004. Expansión de *Lysiphlebus testaceipes* (Cresson) (Hym., Braconidae, Aphidiinae) en el Noreste de la Península Ibérica. *Boletín de Sanidad Vegetal. Plagas*, 30 (en premsa).

Lumbierres B., Albajes R., **Pons X.** 2004. Transgenic Bt maize and *Rhopalosiphum padi* (Hom., Aphididae) performance. *Ecological Entomology* 29: 309-317.

**Pons, X.**, Lumbierres, B., López, C., Albajes, R. 2004. No effects of Bt maize on the development of *Orius majusculus*. *IOBC/WPRS Bulletin*, 27 (3): 131-136.

Lumbierres, B., **Pons, X.**, Stary, P. 2004. Parasitoids and predators of aphids associated with public green areas of Lleida (NE Iberian Peninsula). *Advances in Horticultural Science*, 18 (4): 1-7.

Stary P., Lumbierres B., **Pons X.** 2004. Opportunistic changes in the host range of *Lysiphlebus testaceipes* (Cr.), an exotic aphid parasitoid expanding in the Iberian Peninsula. *Journal of Pest Science* 77: 139-144.

**Pons X.**, Lumbierres B. 2004. Aphids on ornamental shrubs and trees in an urban area of the Catalan coast: bases for an IPM programme. In: *Aphids in a new millenium*. J.C. Simon, C.A. Dedryver, C. Rispe and M. Hulle (eds.). INRA. Paris. pp: 359-364.

Albajes R., López C., **Pons X.** 2003. Predatory fauna in corn fields and response to imidacloprid seed treatment. *Journal of Economic Entomology* 96: 1805-1813.

**Pons X.**, Stary, P. 2003. Spring aphid-parasitoid (Hom., Aphididae, Hym, Braconidae) associations and interactions in a Mediterranean arable crop system, including Bt maize. *Journal of Pest Science* 76: 133-138.

**Pons X.**, Albajes, R. 2002. Control of maize pests with imidacloprid seed dressing treatment in Catalonia (NE Iberian Peninsula) under traditional crop conditions. *Crop Protection* 21: 943-950.

**Pons X.**, Lumbierres B., García S., Manetti P.L. 2002. *Metcalfa pruinosa* (Say) (Homoptera: Flatidae), ¿una plaga potencial de plantas ornamentales en espacios verdes urbanos de Cataluña? *Boletín de Sanidad Vegetal. Plagas*, 28: 219-224.

**Pons X.** 2002. Niveles poblacionales de pulgones en alfalfa libre de tratamientos aficidas. En *Producción de pastos, forrajes y céspedes*. C. Chocarro, F. Santiveri., R. Fanlo, I. Bovet y J. Lloveras (Eds.). *Actas de la XLII Reunión Científica de la Sociedad Española para el Estudio de los Pastos*. pp: 349-353. Ediciones de la Universidad de Lleida. Lleida.

*Per mes informació (Consultes GREC [ <http://webgrec.udl.cat/cgi-bin/DADREC/crgen.cgi?FONT=3&IDI=CAT&PID=367567&IDNC=201210161350170> ])*

