

# BIOGRAPHY

25 June 2012.



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## Title and name

Prof.dr.J.C. van Lenteren

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## Nationality

The Netherlands.

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## Panel

Plant Health Panel.

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## Education

PostDoctoral Fellow Univ. of California, Riverside, USA, PhD Ecology, MSc Experimental Biology, BSc Experimental Biology all at Leiden Univ. in the Netherlands

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## Scientific and risk assessment experience

During two decades I have been involved in developing risk assessment protocols and experiments for natural enemies used in biological pest control and for arthropod pests in various organizations (e.g. OECD, IOBC and FAO).

During one decade I have been an elected member of the Dutch Board for Authorization of Plant Protection Products, which decides, based on risk analyses, about the registration of all plant protection products.

Currently, in an IOBC study group, I work on harmonization of a risk assessment method for use of natural enemies in Europe.

My scientific work concerns behaviour and population dynamics of parasitoid host relationships, biological and integrated pest control.

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## Main scientific publications

Behaviour, population dynamics, ecology, tritrophic relationships, parasitoids, pest arthropods, biological control, integrated pest management, environmental risk analysis, quality control

Lenteren, J.C. van, 2012. The state of commercial augmentative biological control: plenty of natural enemies, but a frustrating lack of uptake. *BioControl* 57: 71-84. DOI: **10.1007/s10526-011-9395-1**

Bale, J., Lenteren, J.C. van and Bigler, F., 2008. Biological control and sustainable food production. *Philosophical Transactions of the Royal Society, Series B* 363 (1492): 761-776.

Lenteren, J.C. van, Bigler, F., Babendreier, D., Loomans, A.J.M., 2008. *Harmonia axyridis*: an environmental risk assessment for Northwest Europe. *BioControl* 53: 37-54. [DOI 10.1007/s10526-007-9120-2](https://doi.org/10.1007/s10526-007-9120-2)

Lenteren, J.C. van, Bale, J., Bigler, F., Hokkanen, H.M.T., Loomans, A.J.M., 2006. Assessing risks of releasing exotic biological control agents of arthropod pests. *Annual Review of Entomology*, 51: 609-634. + supplemental material. DOI 10.1146/annurev.ento.51.110104.151129

Lenteren, J.C. van, Loomans, A.J.M., 2006. Environmental risk assessment: methods for comprehensive evaluation and quick scan. In: Bigler F., Babendreier D., Kuhlmann U., eds. *Environmental Impact of Invertebrates for Biological Control of Arthropods: Methods and Risk Assessment*. Wallingford, UK: CAB Int.: 254-272.

Lenteren, J.C. van, Babendreier, D., Bigler, F., Burgio, G., Hokkanen, H.M.T., Kuske, S., Loomans, A.J.M., Menzler-Hokkanen, I., Rijn, P.C.J. van, Thomas, M.B., Tomassini, M.C., Zeng, Q.Q., 2003. Environmental risk assessment of exotic natural enemies used in inundative biological control. *Biocontrol* 48: 3-38. DOI: 10.1023/A:1021262931608

Lenteren, J.C. van (ed.), 2003. *Quality Control and Production of Biological Control Agents: Theory and Testing Procedures*. CABI Publishing, Wallingford, UK: 327 pp.

Lenteren, J.C. van, 1981. Host discrimination by parasitoids. In: *Semiochemicals: their role in pest control*. Ed. D.A. Nordlund, R.L. Jones & W.J. Lewis. Wiley and Sons, New York: 153-179.

Lenteren, J.C. van, 1975. The development of host discrimination and the prevention of superparasitism in the parasite *Pseudeucoila bochei* (Hym.: Cynipidae). *Netherlands Journal of Zoology* 26: 1-83.

Lenteren, J.C. van & K. Bakker, 1975. Discrimination between parasitised and unparasitised hosts in the parasitic wasp *Pseudeucoila bochei*: a matter of learning. *Nature* 254, no.5499: 417-419.