

## **Marcos Gerding**

Born date: November 27, 1945.

### **Current Address**

INIA Quilamapu,  
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## **EDUCATION**

Universidad de Chile, Facultad de Agronomía, Santiago, Chile.  
Ingeniero Agrónomo, 1970.  
Major: Crops.

University of the Philippines, Department of Entomology  
Master of Science, 1985  
Major: Biological Control. Minor: Crop Fisiology

## **Work Experience**

- Entomologist, INIA Quilamapu, Chillán, 1976- present
- Biological Control, INIA Quilamapu, Chillán, 1976-present

## **Publications (summary)**

- 29 scientific papers, 73 abstract,.

## **Relevant publications**

France, R. A., M. Gerding, and C. Cespedes. 1996. Introduction of *Phasmarhabditis hermaphrodita* (Nematoda: Rhabditida) for slug control in non-tillage system to Chile. Proceedings of the Fourth International Congress on Medical and Applied Malacology. Journal of Medical and Applied Malacology 8(1):73-74.

France, A., M. Gerding-Gonzalez, M. Gerding-Paris y A. Sandoval. 2000. Patogenicidad de una colección de cepas nativas de *Metarhizium* spp. y *Beauveria* spp. en *Aegorhynchus superciliosus*, *Asynonychus cervinus* y *Otiorhynchus sulcatus*. Agricultura Técnica 60(3):205-215.

**Torres C. y M. Gerding. 2000. Evaluación de cinco especies de Trichogramma como posibles agentes de control biológico de Cydia pomonella (L) Lepidoptera: Tortricidae. Agricultura Técnica (Chile) 60: 282-288.**

**Gerding M. y L. Devotto. 2000. Plagas de la alfalfa. En: Soto P. (ed.) Alfalfa en la zona Centro Sur de Chile. Instituto de Investigaciones Agropecuarias, Ministerio de Agricultura. Trama, Chillán. 266 p.**

**Zuñiga K. y M. Gerding. 2002. Efecto de la temperatura en la longevidad, reproducción y desarrollo de Trichogramma nerudai y Trichogramma dendroliMI (Hymenoptera: Trichogrammatidae). Agricultura Técnica (Chile) 62: 463-468.**

**Devotto L. Y M. Gerding. 2003 Respuesta de dos aislamientos chilenos de *Metharhizium anisopliae* a la adición de un protector solar Agricultura Técnica (Chile) 63: 339-346.**

Eduardo N. Botto, Cecilia Horny , Paula Klasmer and **Marcos Gerding. 2004** Biological studies on *Trichogramma nerudai* Pintureau and Gerding, and *Trichogramma* sp., (Hymenoptera: Trichogrammatidae). Biocontrol Science and Technology 14: 449-458.

Rodríguez, M., A. France, A. y M. Gerding G. 2004. Evaluación de dos cepas de *Metarhizium anisopliae* var. *anisopliae* (Metsch.) para el control de larvas de gusano blanco *Hylamorpha elegans* Burm. (Coleoptera: Scarabeidae). Agricultura Técnica (Chile) 64(1):17-24.

#### **Relevant presentations.**

A total of 96 talks in annual congress and seminars.

#### **Relevant Thesis supervision.**

A total of 18 thesis supervision in Agronomy fields.

#### **Relevant participation in research projects.**

- Biological control of Russian wheat aphid. FAO, 1990-1992.
- Biological control of *Bruchus pisorum* in Chile. FAO, 1993-1994
- Mass rearing of *Trichogramma* spp , to control crop and forest pests. FIA, 1997-2001.
- Biological control of slugs in non-tillage system. CORFO-FONTEC, 1995-1997.
- Discovery and evaluation of entomopathogenic nematodes in Chile. USDA/FAS/RSED, 1997-1999.
- Experimental center for mass production of biological agent for pest control. FDI, 1997-2000.
- Biological control of the fruit curculionid *Aegorhinus superciliosus* through the use of entomopathogenic fungi and nematodes. FIA, 2000-2003.
- Use of entomopathogenic fungi for pine shoot moth control (*Rhyacionia buoliana*). CORFO-FONTEC, 2001-2003.
- Biological control of tomato moth (*Tuta absoluta*) through entomopathogenic organisms. FIA, 2001-2004.

- Yellow jacket control: Development and application of specific biopesticides. Innova Bio Bio, 2003-2006.
- Management of Codling moth with Area-wide methods, FIA 2004-2007
- Biopesticides for a sustainable agriculture: Massive production of the native nematode Qu-N12 for slug (*Deroceras reticulatum*) control. Innova Bio Bio, 2004-2007.
- Identification of Pheromones and Kairomones for *Copitarsia turbata* (Lepidoptera: Noctuidae). FIA, 2004-2007
- Biological control of *Varroa destructor* with entomopathogenic fungi. FIA 2004-2008

### **Other activities**

Member Entomological Society of America

Member of the Chilean Society of Entomology.