

# Resume

## GENERAL INFORMATION

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Name: Giovanni Eduardo Covarrubias Pazaran  
Marital status: Married  
Country of origin: Mexico      Age: 25 years  
Phone Number: (352) 215-5302  
Email: covarrubiasp@wisc.edu  
Address: 505 Eagle Heights B, Madison, Wisconsin 53705



## SUMMARY OF QUALIFICATIONS

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Agronomist with a specialty in plant sciences, especially interested in the horticultural breeding and germplasm development in fruit and horticultural crops by different breeding techniques. I provided consultancy in farming development and growing techniques in fruit crops. Experience in temperate fruit crops as peaches, apples and blueberry growing and breeding. Proficient in plant DNA transformation, polyploidy techniques, interspecific crosses, field evaluation and Marker Assisted Selection.

I worked 1 year (2008) in the *Medicago sativa* breeding program of PhD Baldomero Alarcon-Zuniga and 3 years (2009-2011) in the genetic engineering program of Dr. Mascorro-Gallardo working in the isolation, plasmid construction and transformation with organogenesis enhancer genes in tobacco and common bean. I was also an intern and Visiting Research Scholar (2012-2013) in the Blueberry Breeding and Genetics Program with Dr. James Olmstead and Paul Lyrene in Gainesville, Florida. Currently, I work with Dr. Juan Zalapa in the cranberry Genetics Program in Madison, WI.

## EDUCATION

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BS in Agronomy with Specialty in Plant Sciences (2007- 2012)  
Universidad Autonoma Chapingo. Texcoco, Mexico

PhD in Plant Breeding and Genetics (2013 to current)  
University of Wisconsin-Madison, Madison WI, USA

## WORK EXPERIENCE

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University of Florida (2013) Visiting Research Scholar

Management of a fruit breeding program using classical approaches. Blueberry crosses, greenhouse management, field selection, propagation methods, and management of breeding populations in high density nurseries.

University of Florida (2012) Intern

Hands on experience in the management of a fruit breeding program using classical approaches. Learning crosses, greenhouse management, field selection, propagation methods, and management of breeding populations in high density nurseries.

Universidad Autonoma Chapingo (2009 - 2012) Research Scholar

Generating transformation vectors that have the IPT gene (Isopentenyl transferase), PMI gene (Phospho manose isomerase) and ESR1 gene (Enhancer of Shoot Regeneration), and the generation of transgenic plants with these new selection genes in bean and tobacco program of the University.

Informatics management:

Microsoft office Package, Access, Internet, SAS system, R, JoinMap4.1, MapQTL 6.0., MapChart 2.2.

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## RESEARCH AND PUBLICATIONS

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Universidad Autonoma Chapingo - Fitotecnica - DGIP  
Dissertation Project for BS degree

**Covarrubias P. Giovanni E. 2012.** Tobacco transformation with organogenesis-inductor gene DRN/ESR1 expressed by inducible-expression systems. Thesis Dissertation. Universidad Autónoma Chapingo, Departamento de Fitotecnica. 106 pp.

Focused in the development of new selection marker genes in Chapingo's corn breeding program, we worked with Tobacco transformation using organogenesis-inductor gene DRN/ESR1 expressed by inducible-expression systems to show how the overexpression of homeotic genes provide the best selectable marker genes for the difficult-regenerating in vitro species.

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## POSTERS

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Fruit Quality Measurements in a Segregating Blueberry Population: Plant Breeding Training for Undergraduates, Poster Board #189. ASHS, American Society for Horticultural Sciences. Rachel A. Itle , Catherine Cellon , Kyle M. Guerrero , Micah J. Weiss , William Cobb , **Giovanni E. Covarrubias** , Werner R. Collante , James W. Olmstead , Horticultural Sciences Department, University of Florida, Gainesville, FL. July, 2013.

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## LANGUAGES

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ENGLISH (proficient)  
SPANISH (proficient)  
FRENCH (beginner)

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## AWARDS

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- Awarded with *CONACYT Scholarship* (Council of Science and Technology in Mexico) (2013 - 2018). \$30,000/year for 5 years to cover 85% of tuition and stipend.
- Awarded with *Genetics Academy Scholarship* in Plant Sciences Department in Universidad Autónoma Chapingo for being an outstanding scholar (2008 - 2012). México \$1,000/year for 4 years.
- Awarded with *New Researchers Formation Program Scholarship* PROFONI. General Research Administration, Universidad Autónoma Chapingo. (2010-2011) México. \$1,500/year for 2 years.
- *Academic High Performance Program Award* of the Universidad Autonoma Chapingo. Received in October, 2010.

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## ASSOCIATION MEMBERSHIPS

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2013    National Association of Plant Breeders (NAPB)  
2013    American Society of Horticultural Sciences (ASHS)  
2013    American Society of Agronomy (ASA)