

CURRICULUM VITAE

PERSONAL

Name: JAVIER SUAREZ-ESPINOSA

Email: sjavier@colpos.mx

EDUCATION

2008 *PhD in Applied Statistics*; University of California, Riverside.

2000 *MSc in Statistics*; Colegio de Postgraduados, México.

1997 *Bachelor's Degree: Agroindustrial Engineer*; Universidad Autonoma Chapingo.

EMPLOYMENT

2013- Chair of the Department of Statistics, Colegio de Postgraduados, México.

2012-2013 Visiting Assistant Professor, Department of Statistics & Actuarial Science, the University of Iowa, IA.

2012 Lecturer. Department of Statistics, Iowa State University, IA.

2010- Associate Professor*, Colegio de Postgraduados, México.

2009 Consultant, Food and Agriculture Organization of the UN (FAO), México.

2008-2010 Assistant Professor*, Colegio de Postgraduados, México.

2001- 2003 Teaching Assistant*, Colegio de Postgraduados, México.

1997-1998 Academic Technician, Universidad Autónoma Chapingo, México.

1996-1997 Teacher (High school), CONALEP, México.

1991-1996 Quality Control Assistant, Supervisor of Production , MASECA, Corn Industry, México.

*Titles given according to the duties in US universities.

RESEARCH INTERESTS

Applied statistical models with emphasis on their utility. Statistical inference. Sampling theory and methodology.

PUBLICATIONS

- 2014 Maximum realized lifetime parasitism and occurrence of time limitation in *Gonatocerus ashmeadi* (Hymenoptera: Mymaridae) foraging in citrus orchards (with Nicola A Irvin and M. Hoddle) *Biological Control and technology*; Vol 24, No.6, pp. 662-679.

Contrasting effects of geographical separation on the genetic population structure of sympatric species of mite in avocado orchards (with Guzman-Valencia and et al.) *Bulletin of Entomological Research*, pp. 1-12

- 2013 Selection of a fungal isolate for the control of the pink hibiscus mealy bug *Maconellicoccus hirsutus* (with K.H. Ibarra-Cortés and et al.). *Pest Management Science*. Vol. 69, pp. 874-882.

Evaluación de factores ambientales que influyen en características de crecimiento del nacimiento al destete de coderos Hampshire. (with Ramírez-Tello, Torres-Hernández, and et al), *Revista Mexicana de Ciencias Pecuarias*, , Vol.1, 2013, pp.117-125

- 2012 Order of inoculation affects the outcome of interactions between two species of entomopathogenic fungi co-infecting the diamondback moth *Plutella xylostella* (with Zamora-Macorra and et al.) *Neotropical Entomology*, Vol.41, No. 6: 521-523, 2012.

Efectividad del encerado y metiljasmonato en el control de daños por frío asociados al tratamiento de curenena por frío en pomelos. *Revista Iberoamericana de Tecnología Postcosecha*, vol. 13, núm. 2, 2012, pp. 146-152.

- 2011 Formulacion natural del tamaño de muestra para el caso del muestreo en dos etapas. (Natural sample size formulation for the two stage cluster sampling case). **INEGI-AME**. Memoria FONE XXV. Seccion IV, pp. 99-104.

- 2010 Obtención de plantas haploides en chile miahuteco (Obtaining haploid plants from Miahuateco chili pepper) (*Capsicum annuum* L.) (with Velez-Torres, et al) *Revista Mexicana de Ciencias Agrícolas*, Vol. 1, Numeror 2, Junio, pp 189-201.

- 2009 Functional response of *Gonatocerus ashmeali* and the 'new Association' parasitoid *G. tuberculifemur* attacking eggs of *Homalodisca vitripennis*. (with Irvin and Hoddle) *Environmental Entomology.*, Vol. 38, Number 6, December, pp 1634-1641.

Efectividad y supervivencia de *Romanomermis culicivorax* en criaderos naturales de larvas de mosquito (Effectiveness and survival of *Romanomermis culicivorax* in natural breeding sites of mosquito larvae) (with Perez, et al). *Agrociencia* Vol 43, Numero 8, Nov-Dic, pp 861-868.

- 2008 La teoría epidémica en la literatura sobre la ley de Lotka (*The epidemic theory in the literature on the Lotka's law*) (with Urbisegastegui). *Investigación Bibliotecológica.* Vol. 22, Núm. 46. septiembre/diciembre, pp 91-111.

- 2006 Producción de leche y curvas de lactancia en tres razas de cabra en el trópico seco de México (*Milk production and lactation curves in three goat breeds in the dry tropic of México*) (with Sanchez, et al). *Veterinaria México*, Vol.37, No. 4 , pp. 493-502.

Books

- 2013 Evaluación económica del programa MOSACMED en Guatemala y sus impactos en ese país, México, EE.UU. y Belice. México (*Economic evaluation of the MOSCAMED program in Guatemala and its impacts on that country, Belize, Mexico and the USA*), Junio 2013. ISBN 13: 978-92-9248-456-9. (with Salcedo-Baca and et al). IICA-SAGARPA.

WORK IN PROGRESS

1. A goodness of fit test for the Type II Pareto Distribution
2. Inference using the MDM based on the m.g.f. for the skewed normal distribution

TEACHING

Undergraduate: Mathematical Statistics I and II, Introduction to Design of Experiments, Introduction to Statistics, Applied Regression Analysis, Statistical Methods and Computing.

Graduate: Statistical Theory for research workers, Sampling, Probability and Inference, Introduction to Design of Experiments, Statistical Methods, Mathematical Statistics.

PhD and MSc advising

Committee Member:

Martha Aguilar Valle (MSc in Statistics, 2009),
Evelio Hernández Juárez (MSc in Statistics, 2009)
Bejamin Sexto Monroy (MSc in Statistics, 2010)
Jose Julian Aquino Gutierrez (MSc in Sociology, 2011)
Arturo Escalona Cortes (MSc in Statistics, 2011)
Karla Haydee Ibarra Cortes (MSc in Phytopathology, 2011)
María Guzman Martínez (MSc in Statistics, 2011)
Erika Zamora Macorra (MSc in Phytopathology, 2012)
Ana Lura reyes Olvera (MSc in Statistics, 2012)
Rebeca Perez Figueroa (MSc in Statistics, 2012)
Ivan Franco Gaytan (MSc in Genetic Resources and Productivity, 2012)
Stephanie Guzman Valencia (MSc Phytopathology, 2012)

Luis Contreras Cruz (PhD in Statistics, 2013)

CONFERENCES AND SEMINARS

- 2013 Applied experimentation. *Experimental Center “Norman Borlaug”*, Cd. Obregón, Son., México. (workshop)
- 2009 Sampling techniques for researchers. *Universidad Autónoma del Estado de México*.(workshop)
- 2008 Multivariate Statistics for researchers. *Colegio de Postgraduados, Campus Puebla* (Seminar).

PROJECTS

- 2012 Economic evaluation to eradicate the Mediterranean fly from Guatemala and its impacts on that country, Belice, Mexico and the USA at a horizon of 10 year (from 2012 to 2021)[with Salcedo, D., and et al.]
- 2009 Villaseñor, J., Suarez, J. et al. *Modeling and statistical analysis of large volume of information generated by environmental and biological phenomena.*
- 2006 Breaux, M., Jew, B., Suarez, J. et al. *Introducing Statistics to High School Students through On-line Games.*
<http://www.statgames.ucr.edu/chances/index.html>

Javier Suarez-Espinosa

2005 Lesch, S., Jeske, D., Suarez, J. *Statistical Modeling and Analysis for a Topsoil Lead Contamination Study.*

APPOINTMENTS

2007 Statistics Consultant, University of California, Riverside.

2006 (summer quarter) Teaching Assistant, University of California, Riverside

2005 (summer quarter) Junior Statistics Consultant, University of California, R.

ACADEMIC VISITS

2011 Iowa State University, Center for Survey Statistics and Methodology (CSSM).
Visiting Scholar.

2010 Instituto Tecnológico de Estudios Superiores Monterrey (ITESM), Campus
Estado de México. Department of Engineering and Systems.

2009 Universidad Autónoma Indígena de México.

LANGUAGES

Spanish (mother language)

English (fluency in all skills)

ACADEMIC HONORS AND AWARDS

2013 Mexican Statistics Association (AME by its acronym in Spanish) Fellow.

2011 Member of the National System of Researchers (SNI by its acronym in Spanish), Mexico.

2010 Distinction by academic productivity.

2003 CONACyT-UCMEXUS Scholarship for Doctoral Studies.

2001 Distinction by outstanding work in teaching, research and service.

2000 Congratulation by academic trajectory.

1999 CONACyT Scholarship for Master Studies.

Javier Suarez-Espinosa

OTHER PROFESSIONAL ACTIVITIES

2014- Refereeing for: Agrocienza, México.

2013- Refereeing for: Journal MVZ Córdoba. ISSN 0122-0268; Montería, Colombia.

2013 Refereeing for: XXIII Coloquio Mexicano de Economía Matemática y Econometría. Departamento de Economía, Universidad Autónoma del Estado de México.