

BIOGRAPHICAL SKETCH / CURRICULUM VITAE

Dr. Patricia Tamez-Guerra

Position/Title: Microbiologist

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Date of Birth: March 14, 1961

Education:

USDA-ARS-NCAUR. : Postdoc Fellow, Microbiologist. May 1996 – August 1999.

University of Nuevo Leon, Monterrey, Mex. PhD. Microbiologist. 1999-2003

CINVESTAV-IPN,Irapuato, Gto. Mex B.Sc. Plant Biology. 1984-1987

University of Nuevo Leon, Monterrey, Mex Microbiologist. 1978-1983

Work Experience

1999-to date: Full Time Professor. Biology Sciences School. University of Nuevo Leon, Monterrey, Mex

REFEREED PUBLICATIONS:

1. Tamez-Guerra, P., M. R. McGuire, H. Medrano, L. J. Galán-Wong, B. S. Shasha, and F. E. Vega. 1996. Sprayable granule formulations for *Bacillus thuringiensis*. *J. Econ. Entomol.* 89: 1424-1430.
2. Tamez-Guerra, P., R. Castro-Franco, H. Medrano-Roldán, M. R. McGuire, L. J. Galán-Wong, and H. A. Luna-Olvera. 1998. Laboratory and field comparisons of serovars of *Bacillus thuringiensis* for activity against lepidopteran larvae using granular formulations. *J. Econ. Entomol.* 91: 86-93.
3. Galán-Wong, L.J., L. Damas-Buenrostro, P. Tamez-Guerra, C. Rodríguez-Padilla, B. Pereyra-Alfárez, R. Tamez-Guerra, K. Arévalo-Niño, H. Medrano-Roldán, A. Guerra, and E. King. 1998. Retrospective view of the contributions of Dr. Howard Dulmage to *Bacillus thuringiensis* subsp *israelensis* research. *Israel. J. Entomol.* 32: 15-21.
4. Tamez-Guerra, P., H. Medrano-Roldán, L. J. Galán-Wong, and C. García-Gutierrez. 1999. Spray dried microencapsulated *Bacillus thuringiensis* formulations for the control of *Epilachna varivestis* Mulsant. *Southwest. Entomol.* 24: 37-48. ISSN- 0377-9688.
5. Behle, R. W., P. Tamez-Guerra, B. S. Shasha, and M. R. McGuire. Formulating bioinsecticides to improve residual activity. Formulation Chemistry Association. University of Michigan. En Internet en: http://www.afc-us.org/members/99_PDF/behle.pdf.
6. Tamez-Guerra P., R. W. Behle, M. R. McGuire, L. J. Galán-Wong, and H. Medrano-Roldán. Improving microgranule formulations of bioinsecticides (*Bacillus*

thuringiensis). Formulation Chemistry Association. University of Michigan. En internet en: http://www.afc-us.org/members/99_PDF/tamez.pdf.

7. Tamez-Guerra, P., M. R. McGuire, R. W. Behle, B. S. Shasha, and L. J. Galán-Wong. 2000. Assessment of microencapsulated formulations, for improved residual activity of *Bacillus thuringiensis*. *J. Econ. Entomol.* 93: 219-225.
8. Tamez-Guerra, P., M. R. McGuire, R. W. Behle, J. J. Hamm, R. H. Sumner, and B. S. Shasha. 2000. Sunlight persistence and rainfastness of spray-dried formulations of baculovirus isolated from *Anagrapha falcifera* (Lepidoptera: Noctuidae). *J. Econ. Entomol.* 93: 210-218.
9. Gomez-Flores, R., C. L. Calderón, R. J. Weber, L. W. Scheibel, P. Tamez-Guerra, C. Rodríguez-Padilla & R. Tamez-Guerra. 2000. Immunoenhancing properties of *Plantago major* leaf extract. *Phytotherapy Res.* 14 (7): 1-6.
10. Behle R. W., M. R. McGuire, and P. Tamez-Guerra. 2000. Effect of light energy on alkali released virions from *Anagrapha falcifera* nucleopolyhedrovirus. *J. Invertebr. Pathol.* 76: 120-126.
11. McGuire, M. R., P. Tamez-Guerra, R. W. Behle, and D. A. Streett. 2001. Comparative field stability of selected entomopathogenic virus formulations. *J. Econ. Entomol.* 94: 1037-1044.
12. Behle R. W., P. F. Dowd, P. Tamez-Guerra, and L. M. Lagrimini. 2002. Effect of transgenic plants expressing high levels of a tobacco anionic peroxidase on the toxicity of *Anagrapha falcifera* nucleopolyhedrovirus to *Helicoverpa zea* (Lepidoptera: Noctuidae). *J. Econ. Entomol.* 95: 81-88.
13. Tamez-Guerra, P., M. R. McGuire, R. W. Behle, B. S. Shasha and R. L. Pingel. 2002. Storage stability of *Anagrapha falcifera* (AfMNPV) nucleo-polyhedrovirus in spray-dried formulations. *J. Invertebr. Pathol.* 79: 7-16.
14. Behle, R. W., P. Tamez-Guerra, and M. R. McGuire. 2003. Field activity and storage stability of *Anagrapha falcifera* nucleopolyhedrovirus. *J Econ Entomol.* 96 (4) 1066-1075.
15. Franco-Molina, M., R. Gómez-Flores, P. Tamez-Guerra, R. Tamez-Guerra, L. Castillo-León, and C. Rodríguez-Padilla. 2003. *In vitro* immuno-potentiating properties and tumor cell toxicity induced by *Pepphora williamsii* (Peyote) cactus methanolic extract. *Phytotherapy Research.* 17 (9): 1076-1081.
16. Tamez-Guerra P., M. M. Iracheta, L. J. Galán-Wong, B. Pereyra-Alfárez, R. A. Gómez-Flores, R. S. Tamez-Guerra, and C. Rodríguez-Padilla. 2004. Characterization of Mexican *Bacillus thuringiensis* strains toxic for Lepidopteran and Coleopteran larvae. *J. Invertebr. Pathol.* 86: 7-18.
17. Williams, T., J. Cisneros, D. I. Penagos, J. Valle and P. Tamez-Guerra. 2005. Ultra-low rates of spinosad in phagostimulant granules provide control of *Spodoptera frugiperda* (Lepidoptera: Noctuidae) in maize. *J Econ Entomol.* 97: 422-428.
18. Caballero-Hernandez D, Weber RJ, Hicks ME, Tamez-Guerra R, Rodriguez-Padilla C, Tamez-Guerra P, Rice KC, Ananthan S, Gomez-Flores R. 2005. Potentiation of rat lymphocyte proliferation by novel non-peptidic synthetic opioids. *Int Immunopharmacol.* 5 (7-8): 1271-1278.
19. Gomez-Flores R., Caballero-Hernandez D., Tamez-Guerra R., Rodriguez-Padilla C., Tamez-Guerra P., Rice K.C., Hicks, M.E., Weber R.J. 2005. Increased survival of tumor-bearing mouse by the delta opioid SNC80. *Anticancer Research.* 25: 4563-67.

20. Tamez-Guerra P., Damas G., Iracheta M.M., Gomez-Flores R.A., Oppert B., and Rodríguez-Padilla C. 2006. Differences in susceptibility and physiological fitness of *Trichoplusia ni* (Hübner) strains to *Bacillus thuringiensis* exposure. *J Econ Entomol.* 99(3): 937-945.
21. Gomez-Flores R., Tamez-Guerra P., Tamez-Guerra R., Rodríguez-Padilla C., Monreal-Cuevas E., Cordova-Puente, A., Hauad-Marroquin, L. A., Rangel-Llanas, A. 2006. *In vitro* activation of human and rat lymphocyte and macrophage function by norepinephrine. *American Journal of Immunology.* 1:4, 148-153.
22. Gomez-Flores R., Tamez-Guerra P., Tamez-Guerra R., Rodríguez-Padilla C., Monreal-Cuevas E., Cordova-Puente, A., Hauad-Marroquin, L. A., Rangel-Llanas, A. 2006. *In vitro* antibacterial and antifungal activities of *Nopalea cochenillifera* pad extracts. *American Journal of Infectious Diseases.* 2:1, 1-8. ISSN 1553-6203.
23. Behle, R. W., P. Tamez-Guerra, and M. R. McGuire. 2006. Evaluating conditions for producing spray-dried formulations of *Anagrapha falcifera* nucleo-polyhedroviruses (AfMNPV). *Biocontrol Science and Technology.* 16 (9): 941-952.
24. Behle, R. W., C. Garcia-Gutierrez, P. Tamez-Guerra, M. R. McGuire, and M. A. Jackson. 2006. Pathogenicity of blastospores and conidia of *Paecilomyces fumosoroseus* against larvae of the Mexican bean beetle, *Epilachna varivestis* Mulsant. *Southwestern Entomologist.* 31 (4): 289-295.
25. Mercier, J., J. I. Jiménez-Santamaría, and P. Tamez-Guerra. 2007. Development of the volatile-producing fungus *Muscodor albus* Worapong, Strobel, and Hess, as a novel antimicrobial biofumigant. *Rev. Mex. Fitop.* 25(2): 173-179.
26. Gomez-Flores, R., L. Verástegui-Rodríguez, R. Quintanilla-Licea, P. Tamez-Guerra, R. Tamez-Guerra, C. Rodríguez-Padilla. 2008. *In vitro* rat lymphocyte proliferation induced by *Ocinum basilicum*, *Persea americana*, *Plantago virginica*, and *Rosa* sp. Extracts. *Journal of Medicinal Plant Research.* 2 (1): 5-10.
27. Tamez-Guerra, P., J. A. Valadez-Lira, J. M. Alcocer-González, B. Oppert, R. Gomez-Flores, R. S. Tamez-Guerra, and C. Rodríguez-Padilla. 2008. Detection of genes encoding antimicrobial peptides in Mexican strains of *Trichoplusia ni* (Hübner) exposed to *Bacillus thuringiensis*. *J Invertebr Pathol.* 98: 218-227.
28. Gomez-Flores R., Arzate-Quintana C., Quintanilla-Licea, R., Tamez-Guerra P., Tamez-Guerra R., Monreal-Cuevas E., and Rodríguez-Padilla C. 2008. Antimicrobial activity of *Persea americana* (Spreng.) Less (Asteraceae) leaf extracts and active functions against *Mycobacterium tuberculosis*. *American Eurasian JSR.* 3 (2): 188-194. ISSN 1818-6785
29. Gomez-Flores, R., Verástegui-Rodríguez, L., Quintanilla-Licea, R., Tamez-Guerra P., Monreal-Cuevas E., Tamez-Guerra R., and C. Rodríguez-Padilla. 2009. Antitumor properties of *Gymnosperma glutinosum* leaf extracts. *Cancer Investigation.* 27 (2): 149-155.
30. Caballero-Hernández, D. Gomez-Flores, R., Tamez-Guerra, P., Tamez-Guerra, R., and C. Rodríguez-Padilla. 2009. Role of immunogenic Fetuin A on L5178Y-R lymphoma tumorigenesis. *Cancer Investigation.* 27 (3): 257-263.
31. Gomez-Flores, R. Y. Gracia-Vásquez, M. G. Alanís-Guzmán, P. Tamez-Guerra, R. Tamez-Guerra, C. García-Díaz, E. Monreal-Cuevas, C. Rodríguez-Padilla. 2009. *In vitro* antimicrobial activity and polyphenolics content of tender and mature *Ebenopsis ebano* seeds. *Medicinal Plants.* 1: 11-19. ISSN 0975-4261

32. Gomez-Flores, R., H. Hernandez-Martínez, P. Tamez-Guerra, R. Tamez-Guerra, R. Quintanilla-Licea, E. Monreal-Cuevas, and C. Rodriguez-Padilla. 2010. Antitumor and immunomodulating potential of *Coriandrum sativum*, *Piper nigrum* and *Cinnamomum zeylanicum*. I *Journal of Natural Products (India)*. 3:54-63. Indian Society of Pharmacognosy. ISSN 0974-5211
<http://www.journalofnaturalproducts.com/Volume3.html>
33. Tamez-Guerra, P. 2010. A review of U.S. and Mexican cooperation to develop insect resistance management and monitoring methods for surveying transgenic crops expressing *Bacillus thuringiensis* Proteins: 2003 to 2010. *Southwestern Entomologist*. 35 (3): 373-382.
34. Rábago-Castro, J., Gomez-Flores, R., Sánchez-Martínez, J., Ramírez-Pfeiffer, C., Tamez-Guerra, P., and Loredó-Osti, J. 2011. Temporal and spatial variations of ectoparasites on cage-reared channel catfish (*Ictalurus punctatus*) in Tamaulipas, Mexico. *Journal of the World Aquaculture Society*. 42 (2):406-411.
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35. Ocampo-Hernández, J. A., P. Tamez-Guerra, S. Pineda, F. Tamayo-Mejía, A. Guzmán-Franco, J. I. Figueroa de la Rosa, and A. Martínez. 2011. Susceptibility of the Mexican bean beetle *Epilachna varivestis* Mulsant (Coleoptera: Coccinellidae) to endemic isolates of *Beauveria bassiana* (Balsamo) Vuillemin (Hypocreales: Clavicipitaceae). *Journal of Pest Science*. 7 (1). DOI: 10.1007/s10340-011-0369-y.
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36. Gomez-Flores, R., González-Meléndez, R., Ceballos-Solobreña, A., Tamez-Guerra, P., Tamez-Guerra, R., Rodríguez-Padilla, C., Monreal-Cuevas, E and de la Garza-Ramos, M. 2011. Antimicrobial and antiinflammatory potential of the Swedish herbs extract. *European Journal of Medicinal Plants*. 1 (4): 107-117.
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37. Reyes-Villanueva, F., Garza-Hernandez, J. A., Garcia-Munguia, A. M., Tamez-Guerra, P., Howard, A., Rodriguez-Perez, M. A. 2011. Dissemination of *Metarhizium anisopliae* by mating behavior in *Aedes aegypti*. *Parasites & Vectors*. 4:171.
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38. Rabago-Castro, J., Gomez-Flores, R., Aguirre-Guzman, G., Tamez-Guerra, P., Ramirez-Pfeiffer, C., Loredó-Osti, J., and Sanchez-Martinez, J. G. 2011. Prevalence of *Henneguya* infections on cage-raised channel catfish *Ictalurus punctatus* (Rafinesque) in Mexico. *Thai Journal of Veterinary Medicine*. 41 (4): 471-478.
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39. Gao, Y., S. R. Reitz, J. Wang, P. Tamez-Guerra, E. Wang, X. Xu & Z. Lei. 2012. Potential use of the fungus *Beauveria bassiana* against the western flower thrips *Frankliniella occidentalis* without reducing the effectiveness of its natural predator *Orius sauteri* (Hemiptera: Anthocoridae). *Biocontrol Science and Technology*. 12 (7). Doi: 10.1080/09583157.2012.691158.
<http://www.tandfonline.com/doi/abs/10.1080/09583157.2012.691158>.
40. Gomez-Flores, R., Reyna-Martinez, R., Tamez-Guerra, P., Quintanilla-Licea, R. 2012. Antibacterial activity of *Oenothera rosea* (L 'Hér) leaf extracts. 2012. *British Journal of Medicine and Medical Research*. 2 (3): 396-404.
<http://www.sciencedomain.org/issue.php?iid=120&id=12>.
41. Valadez-Lira JA, Alcocer-Gonzalez JM, Damas G, Nuñez-Mejía G, Oppert B, Rodríguez-Padilla C, Tamez-Guerra P. 2012. Comparative evaluation of phenoloxidase

activity in different larval stages of four lepidopteran pests after exposure to *Bacillus thuringiensis*. *Journal of Insect Science* 12.80. available online:

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42. Quintanilla-Licea R., Morado-Castillo R., Gomez-Flores R., Laatsch H., Verde-Star M.J., Hernández-Martínez H., Tamez-Guerra P., Tamez-Guerra R., Rodríguez-Padilla C. 2012. Bioassay-guided isolation and identification of cytotoxic compounds from *Gymnosperma glutinosum* leaves. *Molecules*. 17(9):11229-11241. <http://www.mdpi.com/1420-3049/17/9/11229>.

42. Gomez-Flores, R., Quintanilla-Licea, R., Verde-Star, M. J., Morado-Castillo, R., Vázquez-Díaz, D., Tamez-Guerra, R., Tamez-Guerra, P. and Rodríguez-Padilla, C. 2012. Long-chain alkanes and *ent*-labdane-type diterpenes from *Gymnosperma glutinosum* with cytotoxic activity against the murine lymphoma L5178Y-R. *Phytotherapy Research*. 26 (11): 1632-1636. doi: 10.1002/ptr.4625.

<http://onlinelibrary.wiley.com/doi/10.1002/ptr.4625/abstract>

44. González, J M., F. Hernández-Baz & P. Tamez-Guerra. 2012. Geographical distribution of *Apeploda mecrida* (Druce, 1889) (Erebidae: Arctiinae: Arctiini: Euchromiina) with notes about its natural history. *Journal of the Lepidopterists' Society*. 66 (4): 225-229. <http://www.uv.mx/personal/fhernandez/files/2012/09/PDF-34A.pdf>.

45. Rabago-Castro, J., Gomez-Flores, R., Aguirre-Guzman, G., Tamez-Guerra, P., Ramirez-Pfeiffer, C., and Sanchez-Martinez, J. 2013. Spatial and seasonal variations on *Henneguya exilis* prevalence on cage intensive cultured channel catfish (*Ictalurus punctatus*), Tamaulipas, Mexico. *Lat. Am. J. Aquat. Res.*, 41(1): 194-198,

46. Lara-González, J. H., R. Gomez-Flores, P. Tamez-Guerra, E. Monreal-Cuevas, R. Tamez-Guerra, and C. Rodríguez-Padilla. 2013. *In vivo* antitumor activity of ionic silver and silver nanoparticles in the L5178Y-R Murine lymphoma model. *British Journal of Medicine and Medical Research*. 3 (4): 1308-1316.

<http://www.sciencedomain.org/issue.php?iid=205&id=12>

47. Castillo, U., R. Gomez-Flores, R. Tamez-Guerra, P. Tamez-Guerra, C. Rodríguez-Padilla. 2013. Differential macrophage responses against *Mycobacterium bovis* under alternative and classical activation in resistant and susceptible bovines. *Veterinary Immunology and Immunopathology*. 154 (1-2): 8-16..

BOOKS:

Luna-Olvera, H. A. y P. Tamez-Guerra. 1999. *Manual de Laboratorio: Microbiología del Suelo*. 6th Ed., Universidad Autónoma de Nuevo León, Fac. de Ciencias Biológicas. San Nicolás de los Garza, México.

L. J. Galán-Wong, M. Elías-Santos, P. Tamez-Guerra, R. Quintero-Ramírez & I. Quintero-Zapata. 2003. *Procesos Biotecnológicos*. Publicaciones UANL. ISBN 970-694-131-2.

Luna-Olvera, H. A., P. Tamez-Guerra, C. Sandoval-Coronado, G. Damas-Buenrostro, T. Rangel-Galán. 2007. *Ecología Microbiana, Manual de Prácticas 1era Ed.*, Universidad Autónoma de Nuevo León, San Nicolás de los Garza, México. 143 pág.

BOOK CHAPTERS:

1. Tamez-Guerra, P. 1996. Evaluación de *Bacillus thuringiensis* en campo. En: *Avances recientes en la biotecnología en Bacillus thuringiensis*. L. J. Galán-Wong, C.

- Rodríguez Padilla y H. A. Luna-Olvera (Eds.) UANL. México. pp 187-197. ISBN 968-6337-98-9.
2. McGuire, M. R., L. J. Galán-Wong and P. Tamez-Guerra. 1997. Bacteria: Bioassay of *Bacillus thuringiensis* against lepidopteran larvae. In: Manual of Techniques in Insect Pathology. L. Lacey (Ed). Academic Press. New York, N.Y. Chapter III. pp: 91-99. ISBN 0-12-432555-6.
 3. Galán-Wong, L. J., P. Tamez-Guerra, and H. Luna-Olvera. 1999. Biotecnología: Retos y Perspectivas. Proceedings of the IV International Symposium and V National Meeting on Sustainable Agriculture. Colegio de Posgraduados, Montecillos, EdoMex. México. pp: 53-66. ISBN 968-839-322-3.
 4. García-Gutiérrez, C., H. Medrano-Roldán, A. Ochoa-Martínez, P. Tamez-Guerra y J. Morales-Castro. 2001. Control de Plagas Agrícolas con *Beauveria bassiana* (Vuillemin). En: Estrategias para el Control de Plagas de Hortalizas. Estudios de Identificación y Control. Ed. Medrano-Roldán, H. & C. García Gutiérrez. CONACYT-Durango. pp: 116-143. ISBN. 968-5184-09-7.
 5. Behle, R. W. y P. Tamez-Guerra. 2003. Sistemas de Producción de Baculovirus del Tipo Poliedro Nucleares. En: Procesos Biotecnológicos. L. J. Galán-Wong, M. Elías-Santos, P. Tamez-Guerra, R. Quintero-Ramírez & I. Quintero-Zapata (Eds.). Publicaciones UANL. pp 86-108. ISBN 970-694-131-2.
 6. Tamez-Guerra P., M. R. McGuire y R. W. Behle. 2003. Microcapsulación para mejorar la calidad de bioinsecticidas y técnicas para la evaluación de *Bacillus thuringiensis* y Baculovirus en lepidópteros. En: Procesos Biotecnológicos. L. J. Galán-Wong, M. Elías-Santos, P. Tamez-Guerra, R. Quintero-Ramírez & I. Quintero-Zapata (Eds.). Publicaciones UANL. pp 157-169. ISBN 970-694-1312.
 7. Tamez-Guerra, P., McGuire, M. R., R. W. Behle, L. J. Galán-Wong, C. Rodríguez-Padilla y R. Tamez-Guerra. 2003. Capsulación de agentes microbianos para incrementar su vida de anaquel y actividad residual. En: Procesos Biotecnológicos. L. J. Galán-Wong, M. Elías-Santos, P. Tamez-Guerra, R. Quintero-Ramírez & I. Quintero-Zapata (Eds.). Publicaciones UANL. pp 187-195. ISBN 970-694-131-2.
 8. Luna-Olvera, H. A., P. Tamez-Guerra, P., C. Sandoval-Coronado y B. Pereyra-Alfárez. 2003. Biorremediación. En: Procesos Biotecnológicos. L. J. Galán-Wong, M. Elías-Santos, P. Tamez-Guerra, R. Quintero-Ramírez & I. Quintero-Zapata (Eds.). Publicaciones UANL. pp 214-223. ISBN 970-694-131-2.
 9. Tamez-Guerra, P. y R. A. Gómez-Flores. 2003. La técnica de secado por aspersión. En: Procesos Biotecnológicos. L. J. Galán-Wong, M. Elías-Santos, P. Tamez-Guerra, R. Quintero-Ramírez & I. Quintero-Zapata (Eds.). Publicaciones UANL. pp 243-250. ISBN 970-694-131-2.
 10. Tamez-Guerra, P., C. Rodríguez-Padilla, and L. J. Galán-Wong. 2005. Solar Radiation (UV) Protectants for Microbial Insecticides. In: Semiochemicals in Pest and Weed Control. R. J. Petroski, M. R. Tellez, & R. W. Behle (Eds.), ACS Symposium Series 906. American Chemical Society, Washington, DC., pp 127-147. ISBN 0-8412-3888-X.
 11. García-Gutiérrez, C., P. Tamez-Guerra, H. Medrano-Roldán y M. B. González-Roldán. 2007. Mercado de bioinsecticidas en México. En: Biotecnología Financiera Aplicada a Bioplaguicidas. Ed. García Gutiérrez C. & H. Medrano-Roldán. Artes Gráficas La Impresora, Durango. México. pp: 17-40. ISBN. 03-2006-112912263000-01.

12. Tamez-Guerra, P., y R. W. Behle. 2007. Virus Entomopatógenos. En: Biotecnología Financiera Aplicada a Bioplaguicidas. Ed. García Gutiérrez C. & H. Medrano-Roldán. Artes Gráficas La Impresora, Durango. México. pp: 64-90. ISBN. 03-2006-112912263000-01.
13. Tamez-Guerra, P., Damas G. y V. Obregón-Barboza. 2007. Bioinsecticidas para una agricultura sustentable con énfasis en Latinoamérica. En: Bioplaguicidas y Control Biológico. Ed. H.Lira-Saldívar. CIQA, México. pp 119-133. ISBN. 968-844-054-X.
14. P. Tamez-Guerra y G. Núñez Mejía. 2007. El insecticida botánico Neem (*Azadirachta indica* A. Juss): ejemplo de agricultura sustentable en la India. En: Bioplaguicidas y Control Biológico. Ed. H.Lira-Saldívar. CIQA, México. pp 97-109. ISBN. 968-844-054-X. Gomez-Flores, R. A., and Tamez-Guerra, P. 2011. Sustainable agriculture for medicinal plants. *In: Medicinal Plants and Sustainable Development* (e-book). C. P. Kala, Ed. Indian Institute of Forest Management. Medicinal Plants Book. Nova Biomedical. Nova Science Publishers, ISBN: 978-1-61122-280-7.
[https://www.novapublishers.com/catalog/product_info.php?cPath=185 188 209 191&products_id=18582](https://www.novapublishers.com/catalog/product_info.php?cPath=185_188_209_191&products_id=18582)
15. Tamez-Guerra, P, and R.W. Behle. 2011. Biotechnology and derived products. *In: Biological Control of Insect Pests*. N. M. Rosas-Garcia (Ed.). Chapter 7. Stadium Press LLC USA. ISBN: 1-933699-27-2. pp 165-231.
<http://www.vedamsbooks.com/no103115/biological-control-insect-pests-ninfa-m-rosasgarcia>

Honors

- 2013-2015 Selected by voting as member of the Awards Committee of the Mexican Academy of Sciences in the Natural Sciences area.
- 2008-2016 Researcher level 2 of the National Research System (Mexico)
- 2005 Best research of the year awarded by Universidad Autónoma de Nuevo León, México, in the area of Soil Sciences.
- 2003-to date. Member of the Mexican Academy of Sciences.
- 2003 Second place on AIDS investigation, postgraduate research study, as advisor, in the XXVIII Congreso Anual de la Asociación Mexicana de Infectología y Microbiología Clínica
- 2002 First place as postgraduate research study, as advisor, in the XXV Congreso Internacional de la Sociedad Mexicana de Fitopatología
- 2002 First place as undergraduate research study, as advisor, in the XXV Congreso Internacional de la Sociedad Mexicana de Fitopatología
- 2001 Best research of the year awarded by Universidad Autónoma de Nuevo León, México, in the area of Natural Sciences.
- 2000- to date. Teacher with PROMEP profile.
- 1999-2008 Researcher level 1 of the National Research System (Mexico)
- 1996-1999 Candidate as researcher of the National Research System (Mexico)
- 1998 TECNOS'97 Award. Patente de Institución.

Total publications: 47

Principal Investigator Grants: 29

Grant Panel Participant: 15

Congress National Presentations: 110

Congress International Presentations: 85

Chapter's books: 15

Director of 7 Doctoral degree thesis

Director of 14 Master in Sciences degree thesis

Director of 8 Bachelor degree thesis