



1. Name

Victor E. Aguirre Arzola

2. Education

Doctoral Degree, D.C, Biotechnology, Biological Sciences Department, Autonomous University of Nuevo Leon (UANL), 2008

Master Degree, M.C, Biotechnology, Chemical Sciences Department, Autonomous University of Chihuahua, 2005

Chemist, Bacteriologist and Parasitologist, Chemical Sciences Department, Autonomous University of Chihuahua 1999

3. Academic experience

Professor, Autonomous University of Nuevo León (UANL), Agronomy Department, (2009-On going), Full Time

Academic Secretary, Sub-Direction of Postgraduate Studies and Research, (2014-2016)

Coordinator, Academy of Biology and Biotechnology: (2013-On going)

Laboratory Chief on Laboratory of Natural Sciences (2010-On going)

4. Non-academic experience

Honorary Professor and Substitute Professor in Medicine Department on Autonomous University of Chihuahua, (2004-2005)

Supervisory of blood bank and General Lab technical third shift, CIMA Chihuahua, (2001-2003)

Emergency Department Chief and ISO-9001-2000 internal auditor, LIACSA Chihuahua, (1999-2003)

5. Certifications or professional registrations

6. Current membership in professional organizations

Member of the American Society for Microbiology

7. Honors and awards

First Place: Annual prize of Biotechnology, UANL, (2015)

8. Service activities (within and outside of the institution)

9. Briefly list the most important publications and presentations from the past five years

Evidence of cross gene regulation of some virulence factors of *Porphyromonas gingivalis* by *Streptococcus intermedius*. Aguirre-Arzola, Victor E; Pereyra-Alferez, Benito; Sanchez-Najera, Rosa Isela; Galan-Wong, Luis J; Myriam, A; Alcazar-Pizaña, Andrea G. African Journal of Biotechnology (2013). Academic Journals (Kenya).

Moringa oleifera: phytochemical detection, antioxidants, enzymes and antifungal properties. Torres-Castillo JA, SR Sinagawa-García, GCG Martínez-Ávila, AB López-Flores, EI Sánchez-González, VE Aguirre-Arzola, RI Torres-Acosta, E Olivares-Sáenz, E Osorio-Hernández, A Gutiérrez-Díez. *Phyton, Foundation Rómulo Raggio* 822193-202 (2013).

Effect of NaClO on the activity of polyphenol oxidase in leaf and petiole explants of two genotypes of *Jatropha curcas*, Pequeño-Granado, Iván; Martínez-Ávila, Guillermo; Aguirre-Arzola, Víctor; Iracheta-Donjuan, Leobardo; Mojica-Marín, Virgilio; Rodríguez-Pérez, Gilberto; Ojeda-Zacarías, María. *Bioagro* 27 3167-172. (2015) Centroccidental "Lisandro Alvarado" (UCLA).

Intestinal proteases of *Moneilema armatum* (Coleoptera: Cerambycidae) fed with *Opuntia cladodes*. Torres-Castillo, Jorge Ariel; Aguirre-Mancilla, César Leobardo; Gutiérrez-Díez, Adriana; Sinagawa-García, Sugey Ramona; Torres-Acosta, Reyna Ivonne; García-Zambrano, Eduardo Alejandro; Aguirre-Arzola, Victor; Zavala-García, Francisco. *Colombian Entomology Journal. Colombian Society of Entomology* 412 249-256 (2015).

Inhibition of the expression of the agr system of methicillin-resistant *Staphylococcus aureus* by using total polyphenols of Mexican avocado leaves (*Persea americana* var. *Drymifolia*). García-Moreno, MA; de la Garza-Ramos, Myriam Angélica; Martínez-Ávila, CGC; Gutiérrez-Díez, A; Ojeda-Zacarías, Ma del C; Aguirre-Arzola, Victor Eustorgio. *Nova Scientia* 918. De la Salle University Bajío (2017).

11 beta-hydroxysteroid dehydrogenase 2 promoter methylation is associated with placental protein expression in small for gestational age newborns steroids. Lazo-de-la-Vega, Maria-Luisa; Solís-Martínez, Martha-Olivia; Romero-Gutiérrez, Gustavo; Aguirre-Arzola, Victor E; Wrobel, Katarzyna; Wrobel, Kazimierz; Zaina, Silvio; Barbosa-Sabanero, Gloria. *Elsevier*. (2017).

Diferential expressed sequence tags of mexican race avocado fruits (*Persea americana* Mill. var. *drymifolia*). Sánchez-González, Enrique Ignacio; Hernández-Delgado, Sanjuana; Aguirre-Arzola, Víctor Eustorgio; Torres-Castillo, Jorge Ariel; Gutiérrez-Díez, Adriana. *Brasileira de Fruticultura Magazine*. (2018).

Electrochemical response of Titanium alloys used for dental implants in presence of *Streptococcus gordonii* and *Fusobacterium nucleatum* Exploring Microorganisms: Recent Advances in Applied Microbiology. Beltrán-Novelo, LG; De la Garza-Ramos, MA; Zavala-Ibarra, MC; Valencia-Ampudia, F; Aguirre-Arzola, VE; Victoria-Velazco, SA; Estupiñan-López, F; Miramontes, JA Cabral. *Universal-Publishers* (2018).

Fungi identification in the oral cavity from a native community of México, epidemiologic study Exploring Microorganisms: Recent Advances in Applied Microbiology. Valencia-Ampudia, F; Pérez-González, O; De la Garza-Ramos, MA; Aguirre-Arzola, VE. *Universal-Publishers* (2018).