

ANEXO B

1. Name

Elva Teresa Aréchiga Carvajal

Education – degree, discipline, institution, year

Degree	Discipline	Institution	Year	Country
Postdoctoral Res. Position	Structural Genomics	Medicine Faculty, Autonomous University of Nuevo León (UANL)	2006	México
Ph. D	Plant Biotechnology	Center for Research and Advanced Studies of the National Polytechnic Institute	2005	México
Bs.C	Microbiology	Biology Faculty, Autonomous University of Nuevo León (UANL).	1999	México

Academic experience – institution, rank, title (chair, coordinator, etc. if appropriate), date (ex. 1990-1995), full time or part time

Institution	Title	Date	Responsibility
UANL	President of the Faculty Genomic Sciences Academy	2009 -2016	Coordinate academic meetings to evaluate exams and thesis projects contents.
UANL	Institutional Commission for Curricular revision.	2010 -present	Evaluate curricular contents of Bs.C. program.
UANL	Executive secretary of Institutional Biosafety Committee.	2013-present	Coordinate evaluation meetings and elaborate work plans and strategies.
UANL	Mycology, genomics and bioinformatics teacher at Bs. and postgraduate Degree	2006 -present	Direct students trough the learning process.

Non-academic experience – company or entity, title, brief description of position, when (ex. 1993-1999), full time or part time

Company or entity	Title	Brief description of position	Date	Responsibility

Certifications or professional registrations

Certifications/Professional registrations	Institution	Date	Status
Scientifics National Council Member (Level 1)	National Council of Science and Technology (CONACYT)	2005	Valid until evaluation in 2018
Academic Desirable Profile	National Program of Professors improvement.	2009	Valid until evaluation in 2017

Current membership in professional organizations

Professional Organization	Title	Date	Status
(CIBIOGEM) National Biosafety commission genetically modified Organisms	Active member (research group)	2010	Active
National Biosafety Association	Member	2013	Active
National Network of research in Food and Agriculture	Member	2010	Active

Honors and awards

Title	Institution	Date	Status
Research Grant	CONACYT	2010	Concluded
Faculty Research Grant	UANL- PAYCIT	2010, 2011,2012, 2013,2015	Concluded
Research Scientist	SNI-CONACYT	2009- 2013	Concluded
Research Grant	European Union's Seventh Framework Programme (FP7/2007-2013)-UAM	2012-2013	Concluded
Research Grant	CONACYT	2016-2019	In progress

Service activities (within and outside of the institution)

Activity	Institution	Date	Status
Research Grant Reviewer	CONACYT	Since 2011	In progress

Briefly list the most important publications and presentations from the past five years—title, co-authors, if any, place of publication or presentation, and date of publication or presentation

Patent application: Aréchiga-Carvajal E.T., Adame-Rodríguez J.M. Viniegra-Gustavo G., Favela-Torres E., Aguirre-Gamboa R.A. 2011. México. Mixture containing microorganisms for its use in biorremediation and biougmentation. Elaboration process and use. PCT/MX2012/000076. IMPI.
Patent application: Ruiz-Herrera, J., Rodríguez-Vidal, A., Sandoval-Cortés, J., Rivas-Martínez, E.N., Franco-Frías E., Ruiz-Herrera J. y Aréchiga-Carvajal E.T. 2012. México. System of production, purification and treatment of a fungal gum for its use in food and pharmaceutical industries. IMPI,MX/a/2012/008003.
León-Ramírez, C., Valdés-Santiago, L., Ortiz-Castellanos L., Aréchiga-Carvajal, E., Ruiz-Herrera J. 2010. A molecular probe for Basidiomycetes: The spermidine synthase-saccharopine dehydrogenase chimeric gene. FEMS Microbiology Letters. 312: 77-83.
Robledo Leal, E., Adame-Rodríguez, J.M., González-González, G.M., and Aréchiga-Carvajal, E.T., 2012. Differences between Agar dilution, broth macrodilution (CLSI M27A3) and E test (AB BIODISK) for fluconazole resistance in clinical <i>Candida albicans</i> isolates. RESPYN 2012
Franco- Frías E., Manuel-Adame J. M., Arechiga Carvajal E.T. 2010. Biotrophic fungal phytopatogen models. Genomics advances. In: Phytopathology in the genomics era.
Ruiz-Herrera J., Fonseca-García C., G.-Lopez M., Aréchiga-Carvajal E.T., 2011. A novel polisaccharide secreted by <i>pall/rim</i> mutants of the phytopathogen fungus <i>Ustilago maydis</i> . Carbohydrate polymers.85: 1646-1650.
Robledo Leal, E., Adame-Rodríguez, J.M., González-González, G.M., and Aréchiga-Carvajal, E.T., 2012. Differences between Agar dilution, broth macrodilution (CLSI M27A3) and E test (AB BIODISK) for fluconazole resistance in clinical <i>Candida albicans</i> isolates.RESPYN 2012.ISSN: 01870-160
Castillo S., Heredia N., Aréchiga E., and Santos-García J.2013.Citrus Extracts as Inhibitors of Quorum Sensing, Biofilm Formation and Motility of <i>Campylobacter jejuni</i> . Food Biotechnology.28:106-122. ISSN: 0890-5436
Canónico-González Y., Adame-Rodríguez J.M., Mercado-Hernández R. and Aréchiga-Carvajal E.T. 2013. <i>Cryptococcus</i> spp. Isolation from excreta of pigeons (<i>Columba livia</i>) in and around Monterrey, Mexico.SpringerPlus, 2:632.ISSN: 2193-1801
Franco-Frías E., Ruiz-Herrera J., and Aréchiga-Carvajal ET. 2014. Transcriptomic analysis of the role of Rim101 in the adaptation of <i>Ustilago maydis</i> to an alkaline environment. Mycobiology. 160:1985-1998. ISSN: 1350-0872. DOI10.1099/mic.0.076216-0
Veana, F. Rodríguez-Reyna, D. G. Aréchiga-Carvajal, E. T. Aguilar, C. N. Rodríguez-Herrera, R. 2014. Isolation of a putative invertase gene from the xerophilic <i>Aspergillus niger</i> GH1 strain. Mycopath12 (2): 77-82.
Gutiérrez-Rivera, J.N., Arcos-Ortega, G.F., Luna-González, A., Rodríguez-Jaramillo, M.C., Aréchiga-Carvajal, E.T., Vázquez-Juárez, R.2015. Differential expression of serine protease inhibitor type I and II in <i>Crassostrea corteziensis</i> and <i>Crassostrea virginica</i>

infected with *Perkinsus marinus*. *Diseases of Aquatic Organisms*. Vol 112:185-197. ISSN 0177-5103.doi: 10.3354/dao02808.

Ledezma-Villanueva, A., Adame-Rodríguez, J. M., O'Connor-Sánchez, I. A., Villarreal-Chiu, J. F., Aréchiga-Carvajal, E. T. 2015. Biodegradation kinetic rates of diesel-contaminated Sandy soil samples by two different microbial consortia. *Ann Microbiol.* 66:(197-206) DOI 10.1007/s13213-015-1096-z. ISSN: 1590-4261

Briefly list the most recent professional development activities

Professional Activity	Date
4 Doctoral Thesis Directed	2008-2016
13 Master Thesis Directed	2008-2016
13 Bachelor Thesis Directed	2008-2013
2 Author/Co-author in Book Chapters (last 5 years)	2009, 2010
12 Author/Co-author of Research Papers (last 8 years)	2010 - 2016
Academic Professor	Since 2006
14 Participation in International scientific meetings.	Since 2008