

ANEXO B

1. Name

Katiushka Arevalo Niño

Education – degree, discipline, institution, year

Degree	Discipline	Institution	Year	Country
Ph.D.	Biotechnology	Universidad Autonoma de Nuevo Leon	1996	Mexico
M.Sc.	Microbiology	Universidad Autonoma de Nuevo Leon	1990	Mexico
B.Sc.	Chemist Bacteriology Parasitology	Universidad Autonoma de Nuevo Leon	1984	Mexico

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

Institution	Title	Date	Responsibility
UANL	Research-professor (full time)	1984-present	Research and Professor activities
	Head of the Laboratory of Industrial Microbiology	1997-2004	Management of academic and research activities of the laboratory
UANL	Head of the Laboratory Rearing of Insects	1990-present	Administrator and responsible of bioassays laboratory
UANL	Technical Secretariat of the University	2000-2003	Managing the agenda of the rector and lead the departments of the central administration of the University
UANL	Head of the Laboratory L1	2004-present	Administrator and responsible of bioassays laboratory

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
Instituto Mexicano del Seguro Social	Chemist Analyst (part time)	Chemical analysis of drugs distributed by the IMSS	ex. 1982-1984	Quality Control Drug

Certifications or professional registrations

Certifications/Professional registrations	Institution	Date	Status
N/A	N/A	N/A	N/A

Current membership in professional organizations

Professional Organization	Title	Date	Status
Member of Sociedad Mexicana de Control	Professional Member	1986-present	Active member

Biologico			
Member of the Sociedad Mexicana de Biotecnología y Bioingeniería	Professional Member	1984-present	Active member
Member of the Sociedad Mexicana de Química	Professional Member	1995-present	Active member
Member of the Asociación Mexicana de Calidad Ambiental	Professional Member	1999-present	Active member
Member of the International Materials Research Society	Professional Member	2008-present	Active member
Member of the Sociedad Latinoamericana de Biotecnología Ambiental y Algal	Founder Member	2008-present	Active member

Honors and awards

Title	Institution	Date	Status
Academic honorable mention in the Master of Science Degree	UANL	1990	Concluded
Mention of Science and Technology Development	Nuevo Leon State Government	1992	Concluded
PROMEPE profile recognition	Education Secretariat	1992-present	In progress
Recognition for Technological Development	Nuevo Leon State Government	1994	Concluded
Research Scientist	SNI-CONACYT	1997-present	In progress
First place in the "Technology Award, Biology 1998", awarded by the Faculty of Biological Sciences, UANL.	UANL	1999	Concluded
Honorable Mention in the Area: Industrial Development, awarded by the National Council for Science and Technology (Neolonesa Association of Science and Technology, ANICYT).	CONACYT-ANICYT	1999	Concluded
Research Project Award in the Area of Earth Sciences, awarded UANL	UANL	1999	Concluded
Recognition as Advisor Biotechnology Program Biologist's Career.	UANL	1999	Concluded
Honorable Mention in the area of Agricultural Development, awarded by UANL.	UANL	2000	Concluded
Appreciation Service Award, University of Texas, Pan American.	University of Texas, Pan American	2002	Concluded
Research Award in the Area of Earth Sciences and Agriculture, 2002, awarded by the UANL.	UANL	2003	Concluded
Research Award in the Area of Natural Sciences, 2002, awarded by the UANL.	UANL	2003	Concluded
First place in the Poster session in the Fifth Congress of Food Science.	AMCA	2003	Concluded
Recognition for Innovation and technological development through a technology transfer project of the State	Nuevo Leon State Government	2004	Concluded

Government of Nuevo Leon.			
Innovation with outstanding commercial potential Technological innovation with commercial potential IC ² Institute of the University of Texas at Austin	IC ² Institute of the University of Texas at Austin	2005	Concluded
Member of Biotechnology Academic Board, recognized by PROMEP-SEP.	PROMEP-SEP	2000-present	In progress
Professor in the Doctoral Program of Science in Biotechnology, recognized for excellence by the SEP	SEP	1996-present	In progress
Second place in the Poster session in the First Biotechnology World Symposium	IPN	2014	Concluded
Primer lugar en la sesión de carteles en el XVI Congreso Nacional de Biotecnología y Bioingeniería	SMBB	2015	Concluded

Service activities (within and outside of the institution)

Activity	Institution	Date	Status
Research/Grant Reviewer	CONACYT	1998-present	Active
Research/Grant Reviewer	UANL	2000-present	Active
Research/Grant Stay Reviewer	CONACYT-UC-MEXUS	2010	Concluded
Ciencia UANL Journal Reviewer	UANL	2002-present	Active
Graduate Reviewer Program	PNPC-CONACYT	2010-2011	Concluded
RELBA, Journal Editorial Board	Latin American Society of Environmental and Algae Biotechnology, (SOLABIAA)	2008-present	Active
Treasurer of the Latin American Society of Environmental and Algae Biotechnology, (SOLABIAA)	Latin American Society of Environmental and Algae Biotechnology, (SOLABIAA)	2008-present	Active
President of the Mexican Biotechnology and Bioengineering Society, Nuevo Leon Delegation	Mexican Biotechnology and Bioengineering Society	2010-present	Active
Member of Committee of acceptance of students to the Doctoral Program	FCB-UANL	1998-present	Active
Reviewer of manuscripts for publication in Scientific Journals	Scientific Journals	1998-present	Active

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

S. Buentello Wong, L. Galan Wong, K. Arevalo Niño , V. Almaguer Cantu, G. Rojas Verde. 2016 . Toxicity of some essential oil formulations against the Mexican fruit fly <i>Anastrepha ludens</i> (Loew) (Diptera:Tephritidae). Industrial crops and products. 85 (2016) 58–62
Eugenia G. Ortiz Lechuga, Isela Quintero Zapata and Katiushka Arévalo Niño* . 2016 . Detection of xtracellular enzymatic activity in microorganisms isolated from waste vegetable oil contaminated soil sing plate methodologies. African Journal of Biotechnology. Vol. 15(11), pp. 408-416. DOI: 0.5897/AJB2015.1499.1
E. G. Ortiz, I. Quintero, K. Arevalo . 2016 . Biodiesel production from three mixes of oils with high free fatty

content: quality evaluation and variable analysis. Int. J. Environ. Sci. Technol. DOI 10.1007/s13762-016-0980-9
Omar Eduardo Tovar-Herrera, María Magdalena Iracheta-Cardenas, Mario A. Rocha-Peña, Luis J. Galán-Wong, Katiushka Arevalo-Niño . 2016 . A <i>Pycnoporus sanguineus</i> laccase for denim bleaching and its comparison with an enzymatic commercial formulation. Journal of Environmental Management. 177: 93-100. Julio 2016. doi:10.1016/j.jenvman.2016.04.008
S. Buentello-Wong, L. Galán-Wong, K. Arévalo-Niño , V. Almaguer-Cantú and G. Rojas-Verde. 2015 . Characterization of Cry Proteins in Native Strains of <i>Bacillus thuringiensis</i> and Activity Against <i>Anastrepha ludens</i> Southwestern Entomologist, 40(1):15-24.
Mayra Z. Treviño-Garza, Santos García, Ma. del Socorro Flores-González, and Katiushka Arévalo-Niño . (2015) . Edible Active Coatings Based on Pectin, Pullulan, and Chitosan Increase Quality and Shelf Life of Strawberries (<i>Fragaria ananassa</i>). Vol. 80, 8:2015:1823-1830. Journal of Food Science . Institute of Food Technologists. doi: 10.1111/1750-3841.12938
Omar Eduardo Tovar Herrera, Ramón Alberto Batista García, María del Rayo Sánchez Carbente, María Magdalena Iracheta Cárdenas, Katiushka Arévalo Niño , Jorge Luis Folch Mallol. (2015) . A novel expansin protein from the white-rot fungus <i>Schizophyllum commune</i> . PLOS ONE . DOI:10.1371/journal.pone.0122296.
Jesús Israel Rodríguez Pulido, Rosa Isela Sánchez Nájera, Marianela Garza Enríquez, María Argelia Akemi Nakagoshi Cepeda, Juan Manuel Solís Soto, Katiushka Arévalo Niño , Emmanuel Garza Zaragoza. (2015) . Salivary Stimulation by prolonged release biofilms of pilocarpine in diabetic rats. Journal of Oral Research . Facultad de Odontología de la Universidad de Concepción. ISSN 0719-2460; ISSNe 0719-2479
Jesús Israel Rodríguez Pulido, Rosa Isela Sánchez Nájera, Marianela Garza Enríquez, María Argelia Akemi Nakagoshi Cepeda, Juan Manuel Solís Soto, Katiushka Arévalo Niño , Emmanuel Garza Zaragoza. (2014) . Physico-Chemical and antimicrobial Evaluation of chitosan and hydroxypropyl methylcellulose biofilms for prolonged release pilocarpine. Journal of Oral Research . 4(2):103-108. ISSN 0719-2460; ISSNe 0719-2479
Hilda Isabel Salazar González, Verónica Almaguer Cantú, Guadalupe Rojas Verde, Lilia H. Morales Ramos, Carlos Solís Rojas, Katiushka Arévalo Niño . (2014) . Removal of Lead from Aqueous Solutions by Brewer's Spent Grain Journal of Chemical, Biological and Physic Sciences (JCBPS) . Vol. 4, No. 5, 10-16. http://www.jcbps.org/journal/index.php
C. Solís Rojas, H. Quiroz Martínez, K. Arévalo Niño . 2014 . Mosquitos: especies invasoras asociadas al medio acuático. En: Especies acuáticas invasoras en México. Roberto E. Mendoza Alfaro y Patricia Koleff Osorio (eds). Comisión Nacional para el Conocimiento y Uso de la Biodiversidad, México, (CONABIO) . México, D.F. Pp. 265-268. ISBN 978-607-83-28-04-8.
M.S. Flores, A. Obregón-Cárdenas, E. Tamez, E. Rodríguez, K. Arévalo , I. Quintero, R. Tijerina, F. Bosques, L. Galán. 2014 . Hypocholesterolemia in patients with amebic liver abscess. Gut and Liver . 8(4): 415-420.
M.E. Martínez Terán, L.J. Galán Wong, C. Solís Rojas, K. Arévalo Niño . 2014 . Producción de enzimas hidrolíticas por cepas nativas de <i>Aspergillus spp.</i> mediante la fermentación en sustrato sólido utilizando residuos agroindustriales. Ciencia en la frontera: revista de ciencia y tecnología de la UACJ . 12(2):15-19.
L.J. Galán-Wong, K. Arévalo-Niño , L.H. Morales-Ramos, B. Pereyra-Alfárez, H.A. Luna-Olvera, J.M. Viader-Salvado, M. Guerrero-Olazarán, M.S. Flores-González, E.L. Salazar-Marroquín, A. Rodríguez-García, I. Quintero-Zapata, M. Elías-Santos, N. Galán-Franco, M.G. Maldonado-Blanco, M.G. Rojas-Verde, J.A. Gallegos-López, C.F. Sandoval-Coronado, E. Falcón-Dávalos, M. Iracheta-Cárdenas y L.A. Galán-Franco. 2013 . Producción de biocidas para el campo mexicano. En: Biotecnología para el desarrollo de México. Talleres de mc editores. (Primera Edición, eds.). pp. 237-252. ISBN: 978-607-7919-64-3.
M. Elías-Santos, L.J. Galán-Wong, M.G. Maldonado-Blanco, M.G. Lozano-Contreras, I. Quintero-Zapata, K. Arévalo-Niño , V. Mojica-Marín, C. Solís-Rojas, H.A. Luna-Olvera, L.L. Palacios-Cortez. 2013 . Secuencia de montaje de biorreactor Bioflo III. Manual de Operación de Biorreactores y Bioprocesos I. M. Elías Santos, L.J. Galán-Wong, M.G. Maldonado Blanco, M.G. Lozano Contreras, I. Quintero Zapata, K. Arévalo-Niño, V. Mojica Marín, C. Solís Rojas, H.A. Luna-Olvera, L. Palacios Cortez (eds.). Talleres de la Imprenta Universitaria de la U.A.N.L. Vol. 1:95-103. ISBN: 978-607-433-977-2.
N.S. Martínez-Cruz, K. Arévalo Niño , M.J. Verde Star, A. Oranday Cárdenas, C. Rivas Morales, J. Treviño Neávez. (2013) . Germinación <i>in vitro</i> e inducción de callo en <i>Rubus adenotrichus</i> Schltdl. POLIBOTÁNICA , 35: 100-107. ISSN 1405-2768

Rene Hernández-Delgadillo, Donaji Velasco-Arias, Juan José Martínez-Sanmiguel, David Díaz, Inti Zumeta-Dube, **Katiushka Arevalo-Niño**, Claudio Cabral-Romero. **2013**. Bismuth oxide aqueous colloidal nanoparticles inhibit *Candida albicans* growth and biofilm formation. International Journal of Nanomedicine. 2013:8 1645–1652. <http://dx.doi.org/10.2147/IJN.S38708> ISSN: 1178-2013

Fátima Lizath Gandarilla Pacheco, Héctor Dabiel Nava González, **Katiushka Arevalo Niño**, Myriam Elías Santos, Isela Quintero Zapata. **2012**. Evaluation on native strains of *Isaria fumosorosea* (Wize) against *Anastrepha ludens* (Loew)(Diptera:Tephritidae). **Journal of Life Sciences**. PRINT ISSN: 1934-7391. ONLINE ISSN 1934-7405

Rene Hernández Delgadillo, Donaji Velasco Arias, David Dios, **Katiushka Arevalo Niño**, Marianella Garza Enríquez, Myriam de la Garza Ramos, Claudio Cabral Romero.**2012**. Zerovalente bismuth nanoparticles inhibit *Streptococcus mutans* growth and formation of biofilm. International **Journal of Nanomedicine**.2012:7 2109-2113.DOI: <http://dx.doi.org/10.2147/IJN.S29854>. ISSN: 1178-2013

Nieves del Socorro Martínez Cruz, **Katiushka Arevalo Niño**, Ma. Julia Verde Star, Azucena Oranday Cárdenas, Catalina Rivas Morales, Ma. Eufemia Morales Rubio, **2012**. Cultivo en suspensión de *Rubus adenotrichus* SCHLTD y determinación de compuestos fenolicos. **Revista Latinoamericana de Química**, 39 (Suplemento Especial), pp. 111. ISSN 0370-5943. Editada por Laboratorios MIXIM.

Rodríguez García Aida, Flores González Ma. del Socorro, **Arévalo Niño Katiushka, (2012)**. Detección de la actividad antimicrobiana de plantas usadas en la medicina tradicional mexicana. **Revista Latinoamericana de Química**, 39 (Suplemento Especial), pp.143- ISSN 0370-5943.

Briefly list the most recent professional development activities

Professional Activity	Date
10 Doctoral Thesis Supervised	2012-August 2016
5 Master Thesis Supervised	2012-August 2016
6 Bachelor Thesis Supervised	2012-August 2016
130- Author/Co-author Invited Talks/Conference/Symposia participant (last 5 years)	2012-August 2016
32-Author/Co-author Research Papers (last 5 years)	2012-August 2016
6-Author/Co-author Book Chapters (last 5 years)	2012-August 2016
5-Author/Co-author Editor in Book (last 5 years)	2012-August 2016