

## ANEXO B

### 1. Name

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| Myriam Elias Santos |
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Education – degree, discipline, institution, year

| Degree | Discipline           | Institution | Year | Country |
|--------|----------------------|-------------|------|---------|
| PhD    | Biotechnology        | UANL        | 2002 | México  |
| B Sc   | Chemical Engineering | UANL        | 1990 | 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        | Deputy Chief of Department of Microbiology and Immunology                 | 1996-present  | Full Time      |
| UANL        | Teacher : Doctorate in Sciences, focusing on Biotechnology                | 2002- present | Full Time      |
| UANL        | Undergraduate Teacher: Bachelor of Chemical Bacteriologist Parasitologist | 2006-present  | Full Time      |

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 |
|---|-------------|------|--------|
| N/A                                       | N/A         | N/A  | N/A    |

Current membership in professional organizations

| Professional Organization             | Title  | Date        | Status |
|---------------------------------------|--------|-------------|--------|
| Mexican Society of Biological Control | Member | 2010 – 2011 | Active |

Honors and awards

| Title                                  | Institution | Date      | Status      |
|--|-------------|-----------|-------------|
| Honorable Mention in Professional Exam | UANL        | 2002      | Concluded   |
| Summa Cum Laude in Degree Exam         | UANL        | 2002      | Concluded   |
| Research Scientist                     | SNI-CONACYT | 2010-2018 | In progress |

|                |     |           |             |
|----------------|-----|-----------|-------------|
| Profile PROMEP | SEP | 2002-2016 | In progress |
|                |     |           |             |

Service activities (within and outside of the institution)

| Activity | Institution | Date | Status |
|----------|-------------|------|--------|
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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

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| <p>Fatima Lizeth Gandarilla-Pacheco, María del Socorro Flores-Gonzalez, Lilia H. Morales-Ramos, <b>Myriam Elias-Santos</b>, Luis J. Galán Wong, Isela Quintero-Zapata. 2015. Effect of Native Mexican Isolates of <i>Isaria fumosorosea</i>(Wize) Brown&amp; Smith on <i>Spodoptera exigua</i> (Hübner) and <i>Helicoverpa zea</i> (Boddie). Southwestern Entomologist. Vol 40. No 4.</p>   |
| <p>Fatima Lizeth Gandarilla-Pacheco, Lilia H. Morales-Ramos, María del Socorro Flores-Gonzalez, <b>Myriam Elias-Santos</b>, Isela Quintero-Zapata. 2015. Preliminary Study of the Enzymatic Activity of Native Isolates of Entomopathogenic Fungi from the Citrus Area of Mexico in Solid Culture Media. Journal of Pure and Applied Microbiology. 9(1) pp 579-585.</p>   |
| <p>José Lorenzo Meza-García, <b>Myriam Elias-Santos*</b>, Edgardo Cortez-Mondaca, Martha Guerrero-Olazarán, José María Viader-Salvadó, Hugo Alberto Luna-Olvera, María Guadalupe Maldonado-Blanco, Isela Quintero Zapata, and Benito Pereyra-Alfárez. 2014. Evaluation of <i>Heterorhabditis indica</i> (Rhabditida: Heterorhabditidae) Nematode Strain from Sinaloa, Mexico, against <i>Bemisia tabaci</i> Immatures under Laboratory Conditions. Southwestern Entomologist, <b>39(4):727-739</b>.</p> |
| <p>Maldonado-Blanco MG, Gallegos-Sandoval JL, Fernández-Peña G, Sandoval-Coronado, CF, <b>Eliás-Santos M</b>. 2014. Effect of culture medium on the production and virulence of submerged spores of <i>Metarhizium anisopliae</i> and <i>Beauveria bassiana</i> against larvae and adults of <i>Aedes aegypti</i> (Diptera: Culicidae) Biocontrol Science and Technology. 24: 180-189. ISSN 0958-3157 (F.I. 0.712 2012 ISI Journal Citation Reports)</p>  |
| <p>Lozano-Contreras MG, Maldonado-Blanco MG, <b>Eliás Santos M</b>, González-Hernández A, Nava- Camberos U. 2013. Application of <i>Isaria fumosorosea</i> blastospores produced in liquid culture for control of <i>Bemisia argentifolii</i> on cotton Plants. Southwestern Entomologist. 38: 57-66. ISSN: 0147-1724 (F.I. 0.504 2012 ISI Journal Citation Reports) DOI: <a href="http://dx.doi.org/10.3958/059.038.0113">http://dx.doi.org/10.3958/059.038.0113</a></p>                               |
| <p>Oscar Romero-Rangel, María Guadalupe Maldonado Blanco, Cynthia Carolina Aguilar López, <b>Myriam Elias Santos</b>, Raúl Rodríguez Guerra, José Isabel López Arroyo. 2012. Production of mycelium and blastospores of <i>Hirsutella</i> sp. in submerged culture. African J. Biotechnol Vol. 11(87), pp. 15336-15340 ISSN 1684– 531684–5315</p>   |

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| <p><b>M. Elías Santos</b>, L.J. Galán Wong, M.G. Maldonado Blanco, M.G. Lozano Contreras, I. Quintero Zapata, K. Arevalo Niño, V. Mojica Marín, C. Solis Rojas, H. A. Luna Olvera, L.L. Palacios Cortez. Manual de Operación de Biorreactores y Bioprocesos I. En Manual de Operación de Biorreactores y Bioprocesos I, 2012.</p>   |
| <p><b>Myriam Elías-Santos</b>, Luis J. Galán-Wong, Ma. Gpe. Maldonado-Blanco, Lilia H. Morales-Ramos, Carlos Fco. Sandoval-Coronado. 2012. Capítulo XI “Secuencia de montaje de biorreactor MF-250 New Brunswick” En 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. Arevalo Niño, V. Mojica Marín, C. Solis Rojas, H. A. Luna Olvera, L.L. Palacios Cortez. (Eds.) UANL. Pp: 110-118. ISBN: 978-607-433-977</p>   |
| <p><b>Myriam Elías-Santos</b>, María Guadalupe Maldonado-Blanco, Luis J. Galán-Wong, V. Mojica-Marín, Isela Quintero-Zapata, Mónica Guadalupe Lozano-Contreras. 2012. Capítulo X “Secuencia de montaje de Biorreactor MF-14 New Brunswick”. En Manual de Operación de Biorreactores y Bioprocesos I. En 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. Arevalo Niño, V. Mojica Marín, C. Solis Rojas, H. A. Luna Olvera, L.L. Palacios Cortez. (Eds.) Universidad Autónoma de Nuevo León. Pp: 105 – 115. ISBN 978-607-433-977-2.</p>    |
| <p><b>Myriam Elías-Santos</b>, Luis J. Galán-Wong, Mónica Guadalupe Lozano-Contreras, H.A. Luna-Olvera, María Guadalupe Maldonado-Blanco, Isela Quintero-Zapata. Capítulo IX “Secuencia de montaje de Biorreactor Bioflo III”. 2012. En Manual de Operación de Biorreactores y Bioprocesos I. En 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. Arevalo Niño, V. Mojica Marín, C. Solis Rojas, H. A. Luna Olvera, L.L. Palacios Cortez. (Eds.) Universidad Autónoma de Nuevo León. Pp: 95-103. ISBN 978-607-433-977-2.</p>              |
| <p><b>Myriam Elías-Santos</b>, Patricia Janeth Segura-Mata, Hugo Alberto Luna-Olvera, María Guadalupe Maldonado-Blanco, Isela Quintero-Zapata, M. G. Lozano-Contreras. Capítulo VI “Elaboración y evaluación sensorial de cerveza tipo Ale”. 2012. En Manual de Operación de Biorreactores y Bioprocesos I. En 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. Arevalo Niño, V. Mojica Marín, C. Solis Rojas, H. A. Luna Olvera, L.L. Palacios Cortez. (Eds.) Universidad Autónoma de Nuevo León. Pp: 51-59. ISBN 978-607-433-977-2.</p> |
| <p><b>Myriam Elías-Santos</b>, Fernando A. Rodríguez-Gómez. Capítulo V Determinación del coeficiente de transferencia de oxígeno en Biorreactores de 14 L Brunswick. 2012. En Manual de Operación de Biorreactores y Bioprocesos I. En 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. Arevalo Niño, V. Mojica Marín, C. Solis Rojas, H. A. Luna Olvera, L.L. Palacios Cortez. (Eds.) Universidad Autónoma de Nuevo León. pp. 41 – 49. ISBN 978-607-433-977</p>  |
| <p>Mónica Guadalupe Lozano-Contreras, <b>Myriam Elías-Santos</b>, Isela. Quintero- Zapata, María Guadalupe Maldonado-Blanco. Capítulo I “Uso y manejo de biorreactores nivel planta”. 2012. En Manual de Operación de Biorreactores Bioprocesos I. En 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. Arevalo Niño, V. Mojica Marín, C. Solis Rojas, H. A. Luna Olvera, L.L. Palacios Cortez. (Eds.) Universidad Autónoma de Nuevo León. Pp: 51-61 . ISBN 978-607-433-977-2.</p>   |
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Briefly list the most recent professional development activities

| <b>Professional Activity</b>  | <b>Date</b>   |
|---|---------------|
| Research Project: Production Astaxantina . PAICYT .Responsible: Dra. Myriam Elias Santos  | 2015 -2016    |
| Research Project: "Biotechnological Utilization of Microbial and Plants Diversity" project PAICYT CN 1008-1011 Academic of Biotechnology. | 2011-2014     |
| Research Project: Biotechnology Research of New Generation Bioinsecticides" Project PROINNOVA 138959. Collaborator.                       | 2010- 2012    |
| 3 Doctoral Thesis Supervised  | 2000- present |
| 6 Bachelor Thesis Supervised  | 2000-present  |
| 10 Author/Co-author Invited Talks/Conference/Symposia Participant (last 5 years)  | 2006-present  |
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