

ANEXO B

1. Name

Carlos Eduardo Hernández Luna

Education – degree, discipline, institution, year

Degree	Discipline	Institution	Year	Country
Doctor in Sciences	Biochemistry	Centro de Investigación y de Estudios Avanzados, Instituto Politécnico Nacional (CINVESTAV-IPN)	1994	México
Master in Sciences	Biochemistry	Centro de Investigación y de Estudios Avanzados, Instituto Politécnico Nacional (CINVESTAV-IPN)	1988	México
Major in Chemist Bacteriologist and Parasitologist	Microbiology	Facultad de Ciencias Biológicas, Universidad Autónoma de Nuevo León (FCB-UANL)	1983	México

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

Institution	Title	Date	Responsibility
FCB-UANL	Full-Time Professor	1984-date	Professor of Biochemistry
FCB-UANL	Head of Division	ex. 2000-2006	Administrative Responsible of the Division of Research
FCB-UANL	Head of Department	ex. 1994-1997	Academic Responsible of the Department of Biochemistry

Current membership in professional organizations

Professional Organization	Title	Date	Status
Sociedad Mexicana de Bioquímica	Dr.	2006-	Ordinary Member
American Society for Microbiology	Dr.	2004-	Contributing Member

Honors and awards

Title	Institution	Date	Status
Premio de Investigación	Universidad Autónoma de Nuevo León	2003	Awarded for the Best Work in Earth Sciences and Agriculture

Service activities (within and outside of the institution)

Activity	Institution	Date	Status
Guest Professor	Centro del Agua para América Latina y el Caribe del Instituto Tecnológico y de Estudios Superiores de Monterrey (CAALC-ITESM)	2010-	Comittee Member of Masters and Doctors theses.
Consultant in Applied Enzimology and Biocatalysis	Subdirección de Servicios Profesionales, FCB-UANL	2006-	Technical Adviser in Enzymology and Biocatalysis
Reviewer of R&D Proyects	Premio Tecnos. Secretaria de Desarrollo Económico, Gobierno del Estado de Nuevo León	1998-2014	Senior Reviewer in the Area of Biotechnology and Biomedicine

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

1. Rodríguez-Delgado, M., Ornelas-Soto, N., Martínez-Lorán, E., Hernandez-Luna, C., García-García, A., & Contreras-Torres, F. F. (2016). Enhanced Enzymatic Activity of Laccase (from <i>Pycnoporus sanguineus</i> CS43) Immobilized on Sputtered Nanostructured Gold Thin Films. <i>Nanoscience and Nanotechnology</i> , 16, 1-8.
2. Rodríguez-Delgado, M., Orona-Navar, C., García-Morales, R., Hernandez-Luna, C., Parra, R., Mahlknecht, J., & Ornelas-Soto, N. (2016). Biotransformation kinetics of pharmaceutical and industrial micropollutants in groundwaters by a laccase cocktail from <i>Pycnoporus sanguineus</i> CS43 fungi. <i>International Biodeterioration & Biodegradation</i> , 108:34-41.
3. Gutiérrez-Soto, G., Medina-González, G. E., Treviño-Ramírez, J. E., and Hernández-Luna, C. E. (2015). Native macrofungi that produce lignin-modifying enzymes, cellulases, and xylanases with potential biotechnological applications. <i>BioResources</i> , 10:6676-6689.
4. Garcia-Morales, R., Rodríguez-Delgado, M., Gomez-Mariscal, K., Orona-Navar, C., Hernandez-Luna, C., Torres, E., Parra, R. Cárdenas-Chávez, D., Mahlknecht, J., Ornelas-Soto, N. (2015). Biotransformation of Endocrine-Disrupting Compounds in Groundwater: Bisphenol A, Nonylphenol, Ethynylestradiol and Triclosan by a Laccase Cocktail from <i>Pycnoporus sanguineus</i> CS43. <i>Water, Air, & Soil Pollution</i> , 226(8), 1-14
5. Gutiérrez-Soto, G., Medina-González, G., García-Zambrano, E., Treviño-Ramírez, J., Hernández-Luna, C. (2015) Selection and characterization of a native <i>Pycnoporus sanguineus</i> strain as a lignocellulolytic extract producer from submerged cultures of various agroindustrial wastes. <i>BioResources</i> , 10:3564-3576.
6. Ramírez-Cavazos, L. I., Junghanns, C., Ornelas-Soto, N., Cárdenas-Chávez, D. L., Hernández-Luna, C., Demarche, P., Parra, R. (2014). Purification and characterization of two thermostable laccases from <i>Pycnoporus sanguineus</i> and potential role in degradation of endocrine disrupting chemicals. <i>Journal of Molecular Catalysis B: Enzymatic</i> . 108:32–42.
7. Ramírez-Cavazos, L. I., Junghanns, C., Nair, R., Cárdenas-Chávez, D. L., Hernández-Luna, C., Agathos, S. N., Parra, R. (2014). Enhanced production of thermostable laccases from a native strain of <i>Pycnoporus sanguineus</i> using Central Composite Design. <i>Journal of Zhejiang University SCIENCE B</i> , 15: 343-352.
8. Sergio M. Salcedo Martínez, Guadalupe Gutiérrez-Soto, Carlos F. Rodríguez Garza, Tania J. Villarreal Galván, Juan F. Contreras Cordero and Carlos E. Hernández Luna (2013). Purification and Partial Characterization of a Thermostable Laccase from <i>Pycnoporus sanguineus</i> CS-2 with Ability to Oxidize High Redox Potential Substrates and Recalcitrant Dyes, <i>Applied Bioremediation - Active and Passive Approaches</i> , Dr. Yogesh Patil (Ed.), InTech.