



LUIS ANGEL GIL RUIZ



PROFILE

Motivated and dedicated researcher with a solid academic background in chemistry and molecular modeling. I seek to contribute to the development of innovative research projects where I can apply and expand the knowledge acquired throughout my academic training. Committed to performing all assigned activities with responsibility, efficiency, and a genuine dedication to scientific advancement. My scientific interests include the design, chemical synthesis (small molecules and peptides), and biological evaluation of compounds with potential therapeutic activity against diseases with high global prevalence.



ACADEMIC BACKGROUND

2015-2019

B.Sc. in Pharmaceutical and Industrial Chemistry, IPN, Escuela Nacional de Ciencias Biológicas (ENCB), Mexico.

2020-2022

M.Sc. in Pharmacology, IPN, Escuela Superior de Medicina (ESM), Mexico.

2023-currently

PhD. in Medical Research, IPN, Escuela Superior de Medicina (ESM), Mexico.



PUBLICATIONS

- Linares-Anaya, O.; Avila-Sorrosa, A.; Díaz-Cedillo, F.; **Gil-Ruiz, L.Á.**; Correa-Basurto, J.; Salazar-Mendoza, D.; Orjuela, A.L.; Alí-Torres, J.; Ramírez-Apan, M.T.; Morales-Morales, D. Synthesis, Characterization, and Preliminary In Vitro Cytotoxic Evaluation of a Series of 2-Substituted Benzo [d] [1,3] Azoles. *Molecules*. **2021**; 26: 2780. <https://doi.org/10.3390/molecules26092780>
- Fragoso-Vázquez MJ, Duclosel D, Rosales-Hernández MC, Estrada-Pérez A, Mendoza-Figueroa HL, Olivares-Corichi I, Mendieta-Wejebe JE, Reyes-López CA, Velasco-Quijano JS, **Gil-Ruiz LA**, Correa-Basurto J. UHPLC-MS/MS studies and antiproliferative effects in breast cancer cells of Mexican Sargassum. *Anticancer Agents Med Chem*. **2023**; 23(1): 76–86. <http://dx.doi.org/10.2174/1871520622666220412125740>
- Avila-Sorrosa A, **Gil-Ruiz LA**, Vargas-Díaz ME, Torres-Noguera B, Morales-Morales D. Green synthesis and in vitro anticancer evaluation of 1,2-disubstituted benzimidazole derivatives. *Results Chem*. **2025**; 14(102134): 102134. <http://dx.doi.org/10.1016/j.rechem.2025.102134>



CONFERENCES

- 2022. **Current trends in drug discovery and development**. Faculty of Chemistry, UNAM, Mexico. Title: "*In silico* design, synthesis and in vitro evaluation of GPER targeting compounds". (**Oral Presentation**).
- 2022. **International Congress of the Mexican Chemical Society, "One Chemistry: Many Voices"** Mérida, Yucatán, Mexico. Title: "*In silico* design, synthesis, and *in vitro* evaluation of GPER-targeted compounds with potential antiproliferative activity in breast cancer cells". (**Oral Presentation**).
- 2024. **Framework of the Interdisciplinary Research Conference for Graduate Students**. IPN, Mexico. Title: "Design of peptide inhibitors targeting potential therapeutic targets in the treatment of breast cancer". (**Oral Presentation**).