Dr. Mirna Alejandra González González
Associate Research Professor of the Bioengineering in Health Unit
National System of Researchers Level I

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Degrees:

- PhD in Engineering Sciences with a specialization in Biotechnology – Tecnológico de Monterrey (2013)
- Chemical Engineering – Tecnológico de Monterrey (2008)

Research areas:

- Platforms for the detection and monitoring of metabolic diseases.
- Bioprocesses based on aqueous two-phase systems.

Selected publications:

1. Characterization of polymer-polymer aqueous two-phase system droplets for 3D culture future applications. Journal of Chemical Technology and Biotechnology. (2023). https://doi.org/10.1002/jctb.7410
2. Recent developments in biomarkers for diagnosis and screening of type 2 diabetes mellitus. Current Diabetes Reports. (2022). https://link.springer.com/article/10.1007/s11892-022-01453-4
3. Cell-based aqueous two-phase systems for therapeutics. Journal of Chemical Technology and Biotechnology. (2020). https://doi.org/10.1002/jctb.6173

Awards and recognitions:

- Regular member of the Mexican Academy of Sciences since 2023.
- Named one of the 25 Women in Latin American Science in 2023 by 3M.
- Recipient of the 2016 Mujer TEC Award in the Science and Technology category.

Current projects:

- Development of three-dimensional cultures based on aqueous two-phase systems.
- Development of early detection technologies for metabolic diseases.