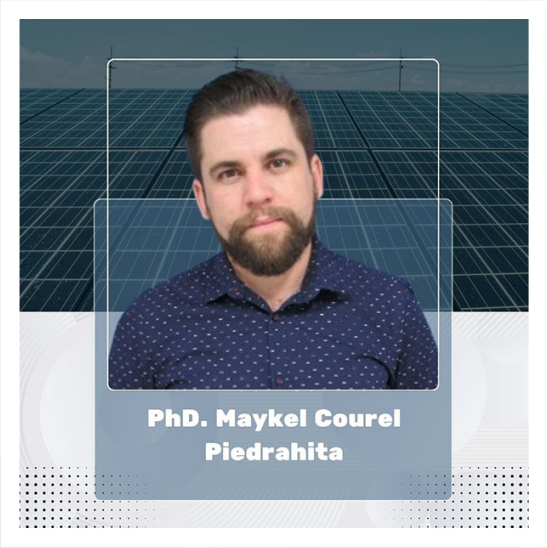
PROFESSIONAL PROFILE



PhD. Maykel Courel Piedrahita is a Tenured Research Professor (Category A) at the University of Guadalajara. His current research focuses on the simulation of thin-film and nanostructured solar cells using semiconductor materials such as kesterites, perovskites, and tin-antimony chalcogenides. He earned his Ph.D. in Physical and Mathematical Sciences from the National Polytechnic Institute (IPN) in May 2016, receiving the award for the best doctoral dissertation as well as an honorable mention on his final exam. He also received an award from the Cuban Academy of Sciences (2012). From May 2016 to April 2018, he completed a postdoctoral fellowship at the UNAM Institute of Renewable Energy (DGAPA-UNAM) on the topic of solar cell processing. He has more than 10 years of experience working on semiconductor materials processing and solar cell simulation; he has published more than 90 articles in prestigious international journals with an impact factor greater than 1 according to the JCR, has received more than 2,500 external citations, and has an h-index of 30; he has served as a reviewer for more than 50 international journals; he has supervised students earning bachelor's, master's, and doctoral students; has delivered plenary lectures and workshops at international conferences; and has served as a member of the editorial board and guest editor for prestigious international journals such as *Journal of Physics D: Applied Physics* (IOP), *Discover Materials* (Springer), *Discover Nano* (Springer), *Discover Energy* (Springer), and *Nanomaterials* (MDPI). She is a Level II member of the National System of Researchers (SNII) and has met the PRODEP desirable profile criteria since 2019.

Ph.D. in Physical and Mathematical Sciences from the IPN, Professor and Tenured Researcher A, member of the SNII, Level II. He conducts research on solar cell simulation. He is a member of the Academic Body for Nanomaterials and Condensed Matter Science. He has advised bachelor's, master's, and doctoral theses. He has published more than 90 articles (JCR), received more than 2,500 external citations, has an h-index of 30, serves as a reviewer for more than 50 international journals, has delivered plenary lectures and workshops at international conferences, and has served as an editor and member of the editorial board for *Journal of Physics D: Applied Physics (IOP), Discover Materials (Springer), Discover Nano (Springer), and Discover Energy (Springer).

Students:

1. Karina Gabriela Rodríguez Osorio. Ph.D. in Physical and Mathematical Sciences (2025)

2. Jesús Alejandro Jiménez Santana. Master in Physical and Mathematical Sciences (2025)