

Ydna M. Questell-Santiago



Ydna M. Questell-Santiago is the Chief Technology Officer at Bloom Biorenewables Ltd (Switzerland). She is dedicated to advancing real sustainability solutions through innovation and engineering. She was trained as a Chemical Engineer in the University of Puerto Rico at Mayagüez and obtained her Ph.D. in Chemistry and Chemical Engineering from EPFL Switzerland. In her doctoral work she contributed to the development of a new lignin-first technology in biomass valorization named AAF (Aldehyde-assisted fractionation). After that, Ydna spent two years at MIT as a SNSF postdoctoral under the supervision of Prof. Román in the design of multifunctional porous materials for the upgrading of biomass-derived molecules and the development of infinite recyclable polyesters. In 2021, Ydna joined Bloom with the aim of bringing AAF technologies into commercial maturity. Apart from science, Ydna enjoys sports, gardening, and cooking.