Louise Ko Huang, Ph.D. Biographical Sketch

Louise Huang earned a B.S. in Fiber Science at Cornell University, an M.S. in Polymer Science, and a Ph.D. in Agricultural and Environmental Chemistry from the University of California, Davis. Her interest in environmental science originated from her undergraduate and graduate research on the degradation of pesticides on cellulosic materials. She holds two U.S. patents on such technologies.

Currently, she is an Honors College Faculty Fellow who serves as the Director of the Center for Research in Science (CRIS) and the Assistant Dean of the College of Liberal Arts and Sciences (CLAS) at Azusa Pacific University. Her area of teaching and research lies in environmental stewardship and sustainability; the courses she teaches include Chemistry & Society and History of Science. She believes education is vital to thorough and transformative understanding that can result in effective solutions for contemporary issues such as global climate change. In and outside of the classroom, she strives to equip students in cultivating a global Christian worldview through learning and appreciating science. She is also a firm believer in and advocate of interdisciplinary, collaborative work that bring innovation to some of the most challenging issues that are scientific in nature and global in impact.

As an inducted Fellow of the American Scientific Affiliation, Louise was a grant recipient of the 2017-2019 Scholarship & Christianity in Oxford: Bridging the Two Cultures of Science and the Humanities programme. She is part of a team that has recently been awarded the National Science Foundation S-STEM grant of $650,000 that provides scholarship for minoritized and first-generation undergraduates. She is also a recurrent grant recipient and Campus Director for the NASA California Space Grant Consortium. Among other topics, she has spoken on science and faith, environmental issues, diversity, inclusion and equity in the classroom, and helped launch multiple initiatives and non-profit organization such as the Environmental Studies minor program and Canyon City Environmental Project.