

Eliana S. Antoniou, Ph.D.
Professor, William Paterson University



Eliana Antoniou is a professor and 24-year veteran of the Mathematics Department at William Paterson University (Wayne, NJ), where she also served as assistant to the department chair. Her areas of specialization are applied mathematics and modeling of biological systems.

She earned her doctorate in applied mathematics with high honors from the joint NJIT–Rutgers program (2002). Her research includes computational biology, the development of theoretical biological models, combustion theory, asymptotic methods, and numerical modeling.

Antoniou’s passion for teaching is evidenced by her consistently excellent peer and student evaluations. She has received several awards and recognitions that highlight her passion for teaching, including an alumni award from the New Jersey Institute of Technology for excellence in teaching and research. Local media once profiled her as “a teacher who makes calculus interesting,” capturing her talent for translating complex ideas into accessible, engaging learning.

Her leadership in academia and public engagement have been recognized with the Women of Vision Award during Women’s History Month in the faculty category for her contributions to the WISE program, during Women’s History Month. In 2023 she was featured in WP Magazine along with the President and Provost of the university as a First-Generation Faculty (first in her family to earn a college degree. The following year, she was featured in University News in an article titled “The People Who Power WP: Eliana Antoniou,” which highlighted her role in student success as a WP faculty member

As director of William Paterson's Women in Science and Engineering (WISE) program for 12 years she established internship opportunities for young female students, field trips and a professional seminar series led by women in STEM. Recently she has served for 3 years as the coordinator of WPU's Garden State Louis Stokes Alliance for Minority Participation (GS-LSAMP), expanding research opportunities for underrepresented students in STEM. She has served as a judge for the Gandhian Forum Writing Competition for high school students in Paterson. She has also been advising the university's Hellenic Club for 10 years and is currently serving as the advisor for a newly formed GSSA club (Garden State STEM Alliance).

Antoniou sponsored a math club at an elementary school in Franklin Lakes, New Jersey, promoting mathematics in early education. She is also involved with the Greek American and Cypriot American communities. She has served as the director of Sunday Church School at St. Athanasios Church in Paramus, New Jersey for 8 years. She has chaired and judged local and district oratorical festivals, as well as the Metropolis Oratorical Festival in 2017. She is currently a member of St. Nicholas Greek Orthodox church in Wyckoff, where she has been running the yearly local oratorical festival for the past 3 years. In addition, along with her daughter, she volunteered and has been running the Adult Greek Studies Program at St. Nicholas church, currently serving as the principle of the program. Lastly, she is the director of the cultural committee of the Cypriot American Association Lampousa, the recording secretary and the youth instructor for the Lampousa dance group. Lampousa helps promote culture, traditional dance and customs of the island of Cyprus. She also serves as a member of the STEM scholarship committee for the Association of Greek American Professional Women (AGAPW).