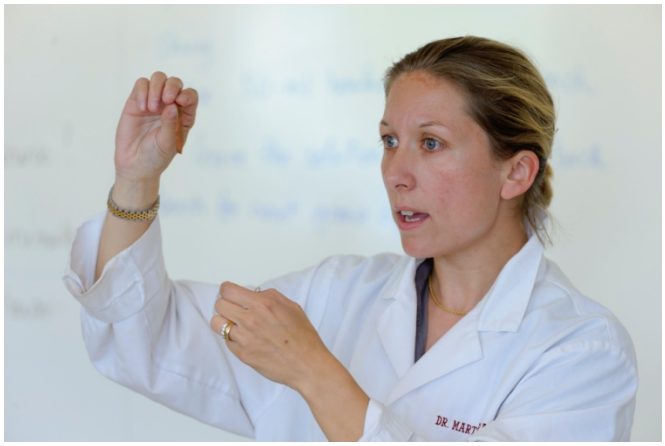
Centennial Award for Excellence in Undergraduate Teaching

Dr Anne Marteel-Parrish

Washington College, Maryland



Dr Anne Marteel-Parrish obtained her Diplome d'Etudes Approfondies in Material Science from the Universite des Sciences et Technologies de Lille, France; Master Degree in Material Science from Ecole Polytechnique Universitaire de Lille, France and Ph.D. in Chemistry with concentration in material science with honors from University of Toledo, Ohio.

Dr Marteel-Parrish is presently Associate Professor of Chemistry, Chair of the Chemistry Department and endowed Frank J. Creegan Chair in Green Chemistry at Washington College, Chestertown, MD. She has been teaching at Washington College since 2003.

Professor Marteel-Parrish is a steadfast champion of the green chemistry movement, believing that her commitment to environmental stewardship builds a bridge that links her students' interest in scientific inquiry with their creativity. She designed and taught one of the first courses on green chemistry to be offered in the United States: "*Towards the Greening of Our Minds and Sustainable Chemistry*". She received a Washington College Curricular Innovation Award for creating *"Green Goggles: Experiments in 21st-Century Chemistry"*, and she retooled her Honors General Chemistry course such that all aspects of chemistry education (inorganic, analytical, environmental, forensic, organic) are designed with environmentally benign techniques. Forging interdisciplinary connections with her art colleagues and students, she developed a new course, "*Greener Art through Greener Chemistry*", introducing lab experiments that engage scientists and artists in developing sustainable materials and artistic practices. She has also designed an advanced course in materials science, in which students work on materials ranging from climbing ropes, heart valves, prosthetics, artificial joints and materials related to space travel.

Her scholarly work had appeared in the *Annual Review of Environment and Resources* and *Green Chemistry Letters & Reviews*. She is the primary author of "*Green Chemistry and Engineering: A Pathway to Sustainability", by* Marteel-Parrish, A.E.; Abraham, M.A**, 2013**, Wiley and Sons Publishers. She was also a Co-PI on an NSF-MRI grant titled "*Acquisition of a Quadrupole Laser Ablation ICP-MS for Material Science, Biology, Earth and Environmental Science and Anthropology at Washington College*" funded in January 2010 ($333,579)

Professor Marteel-Parrish has received numerous high recognitions for her teaching, including the ACS-Committee on Environment Improvement Award for "*Incorporating Sustainability into Chemistry Education*" in 2011 and was a session leader in Green Chemistry Education at the 18th Annual Green Chemistry and Engineering Conference at Bethesda, MD in 2014. She was the recipient of the *Washington College Alumni Association Award for Distinguished Teaching* on May 16, 2010 and was nominated and accepted as a Faculty Row's Network America's Top Faculty Members in June 2014. In 2011, she was invested as the Inaugural Holder of the Frank J. Creegan Chair in Green Chemistry, an endowed chair position.

She received highly enthusiastic recommendations from her Provost and Dean of Washington College, her teaching supervisor at University of Toledo and past and present students at Washington College. Provost Emily Chamlee-Wright said in her letter of recommendation: "It is her skill and innovative pedagogy that ignites a passion for scientific inquiry in her students and positions them to become leaders in the field……. Had I encountered someone like Dr Marteel-Parrish early in my college career, I too, would have been wooed into the discipline." Five of her present and former students wrote letters of support. One of them is now a graduate student in University of Maryland , College Park. She wrote that she would not be where she is today without the friendship and guidance of Dr Marteel-Parrish. Another former student commented on her green chemistry courses as "unique, thought-provoking and encourage students to think deeply about societal issues related to sustainability". A current student remarked that Profesor Marteel-Parrish "pushes students to reach and even go beyond the goals they have set for themselves."

Iota Sigma Pi is happy to recognize Dr Anne Marteel-Parrish's teaching achievements with the 2015 Centennial Award for Excellence in Undergraduate Teaching.