

Short Bio – S. G. Pavlostathis

Dr. Spyros G. Pavlostathis is Professor and Coordinator of the Environmental Engineering Program at the School of Civil and Environmental Engineering, Georgia Institute of Technology, Atlanta, GA. A recipient of the Fulbright Fellowship, Dr. Pavlostathis completed his MS and Ph.D in Environmental Engineering at Cornell University after obtaining his Diploma in Agricultural Engineering at the Agricultural University of Athens, Greece. He is a Board Certified Environmental Engineer (BCEE) of the American Academy of Environmental Engineers and an Engineer-in-Training (EIT; New York State).

Dr. Pavlostathis is recognized for his expertise in the areas of environmental biotechnology and bioprocesses for the bioremediation of contaminated natural systems and the treatment of municipal and industrial wastewater, as well as the kinetics and modeling of bioprocesses. His research also includes bioenergy and biofuels; bioavailability, fate and biotransformation of recalcitrant organic compounds such as dyes, pesticides, antioxidants, disinfectants, and antibiotics; the biotransformation of emerging environmental contaminants, and the development of halophilic and thermophilic microbial processes.

Dr. Pavlostathis has published over 85 peer-reviewed papers and authored over 140 publications including books or book chapters. He is the primary author of the authoritative and widely cited critical review *Kinetics of Anaerobic Treatment* and a co-author of the widely used *Anaerobic Digestion Model No. 1*, developed by the International Water Association (IWA) Anaerobic Digestion Specialist Group/Task Group for Mathematical Modelling of Anaerobic Wastewater Processes. Dr. Pavlostathis has organized or chaired over 30 conferences and conference sessions and frequently serves as a consultant, invited speaker and panelist on behalf of city, county, state and federal agencies in the US and abroad. An active member of several professional organizations, Dr. Pavlostathis has served on the Editorial Boards of the *Journal of Environmental Engineering, Water Science & Technology* (Guest Editor), *Biotechnology Letters*, *Journal of Hazardous Materials*, and *Water Environment Research* (WER) and currently serves as the Vice Chair on the *WER Board of Editorial Review*.

Dr. Pavlostathis is the recipient of awards and fellowships including the Greek National Scholarship Foundation, French Government Scholarship, Fulbright Scholarship, Kassimati Foundation Scholarship, Chi Epsilon (National Civil Engineering Honor Society), Dutch National Science Foundation Fellowship, *Water Environment Federation Charter Member*, *Recruiters Recognition Club*, *Water Environment Federation/Georgia Water & Pollution Control Association Laboratory Analyst Excellence Award*, Georgia Institute of Technology/School of Civil & Environmental Engineering Best Paper Award, Georgia Institute of Technology/School of Civil & Environmental Engineering Sustained Research Award for Excellence in Environmental Research and Archival Publications, Visiting Scholar Fellowship at the University of Ulster, Northern Ireland, UK.

Throughout his 22 years of academic career, Dr. Pavlostathis has been a dedicated educator of future environmental engineers, teaching at both the undergraduate and graduate level. Committed to the mission of teaching he remains actively engaged in the development of curriculum, and is involved in the advisement of both graduate and undergraduate engineering students. In terms of education-related service at the university level, he has been the chair and member of numerous committees. In recognition of his experience and high standing in the education of aspiring engineers he has been invited to give over 40 short course and seminar presentations both nationally and worldwide. He has served abroad as an evaluator of engineering curricula and programs, as well as an external thesis reviewer. Through his research activities, he has mentored numerous post doctoral fellows and visiting scholars, Ph.D. and MS students, who have gone on to work in consulting, state and federal regulatory agencies, as well as academia, and provided many research opportunities for undergraduate students.