



Dr. Jian Peng is currently an environmental scientist at the Orange County Watersheds Program. He grew up in Gobi desert shadowed by the snowcapped Tianshan Mountain in Xinjiang, northwestern China. He received a B.S. degree from Zhejiang University in 1993, an M.S. degree from the Guangzhou Institute of Geochemistry, Chinese Academy of Sciences in 1996, and a Ph.D in marine geochemistry from the

University of Southern California in 2004. From 2004 to 2008, Jian worked for the Southern California Coastal Water Research Project (SCCWRP) as a scientist. His work focused on trace organic analysis, source identification of trace organic contaminants using chemical and isotope fingerprints, solid-phase microextraction (SPME), and geochemical-hydrodynamic modeling of coastal waters. As part of the Southern California Bight Regional Monitoring Program (Bight'03), Jian investigated the inventory of DDTs in the Palos Verdes shelf and estimated its contribution to the global oceanic background.

After a short stint as a chemist in Orange County Water District (OCWD) Water Quality Laboratory in early 2008, Jian joined the Orange County Watershed Program, which manages surface water quality for the County of Orange. Jian's main responsibility is to manage total maximum daily loads (TMDLs) and Clean Water Act 303(d) Listings (i.e. list of impaired waters) for toxic pollutants, including trace metals, trace organics, and selenium. His current focus is on the Nitrogen and Selenium Management Program (NSMP), which consists of all Newport Bay watershed municipalities, major land developers, environmental groups, and regional water board. Due to technical difficulty and high costs of potential treatment projects (more than \$100M), NSMP has been an enormous challenge. Jian is also the division safety officer, low impact development (LID) coordinator for his office park in Orange, and interpreter for Chinese delegations to Orange County. Last December, Jian joined force with hundreds of international scientists in an online Q&A for the international journalists covering COP15, the Copenhagen Climate Change Negotiations. As the newest member in the Board of Directors of SCCAEP, Jian is also the managing editor for SCCAEP's online journal.

Jian has a lovely family of 4 with 2 young boys. Outside of work and kids, Jian enjoys daily workout and plays multiple sports. He coaches basketball for Thousand Oaks Chinese School.