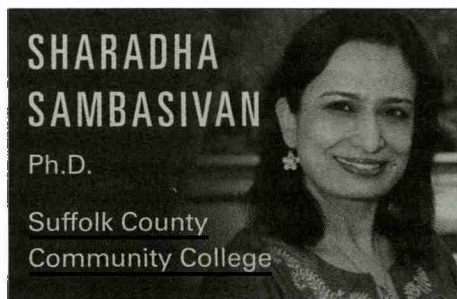


## WHO'SWHO in Professional Women



Sharadha Sambasivan, Ph.D. is associate professor of chemistry at Suffolk County Community College in Selden.

Dr. Sambasivan joined Suffolk Community College as an adjunct professor in 2005 and was quickly promoted to assistant professor of chemistry in 2006. She was named associate professor of chemistry in 2010.

Dr. Sambasivan is also a visiting adjunct faculty at SUNY Stony Brook and a guest scientist at Brookhaven National Laboratory.

"I have been selected to participate in the Department of Energy's (DOE) Visiting Faculty Program at Brookhaven National Laboratory (BNL) for the summer 2014 term, which is a highly competitive program," Dr. Sambasivan said. "This program will extend Suffolk Community College and BNL's research partnership where I will be performing experiments with some of the world's most talented scientists."

"I will be working on a brand new form of carbon called graphene, a two dimensional array of carbon atoms that is very strong, chemically and thermally stable and an excellent conductor of electricity," she said. "Graphene has shown exciting applications for practical devices in optoelectronic devices, battery electrode performance, catalysts applications and solar cell devices."

The study of graphene and its compounds is being studied utilizing state of art materials characterization facility at the national Synchrotron Light Source at U7A

beamline, Dr. Sambasivan noted. "This study offers unique structural and chemical characterization at the surface of graphene compounds, which will translate to building and improving better graphene based electronic devices."

Dr. Sambasivan is involved in projects for many organizations including the National Institutes of Health where she mentors post doctoral fellows at partner institutions such as Stony Brook University; and the American Chemical Society where she collaborates and trains Longwood High School students and science teachers to research projects at Brookhaven National Laboratory.

Dr. Sambasivan has earned many honors and awards over the years, including the ACS Coaches Program Grant in 2012-2014, SENCER Travel Award and post implementation Grant in 2013 and the 2014 Professional Development Award to attend ICCE in Canada this summer.

Sambasivan earned a B.Sc. (Hons.) in chemistry from Stephen's College, Delhi; and M.S. in chemistry from Indian Institute of Technology, Kanpur, India; and a Ph.D in chemical physics from SUNY Stony Brook.

With approximately 27,000 students enrolled at three campuses in Selden, Brentwood and Riverhead, Suffolk County Community College is the largest community college in New York State. The college offers associate in Arts (A.A.), associate in science (A.S.), and associate in applied science (A.A.S.) degrees and professional certificates in 100 programs of study.

Suffolk County Community College offers a broad spectrum of educational opportunities, as well as renowned athletics programs, student clubs, organizations and support services.

**The college's mission is to promote intellectual discovery, physical development, social and ethical awareness, and economic opportunities for all through an education that transforms lives, builds communities, and improves society.**

