

## Grants Awarded to Chemistry Department

<b>Project Director(s)</b>	<b>Title of Project</b>	<b>Funding Source</b>	<b>Amount Funded</b>	<b>Funding Period</b>
Svoronos Gorelick (QC) BH National Lab	The Queens Borough Bridge STEP	NSF	\$1,656,529.00	2007-2010
Svoronos York College, KCC, BCC	Pathways to Chemical Technology Education and Career (PCTEC)	NSF ATE	\$896,350.00	2007-2010
Sarno Chauhan Scal	MRI: Acquisition of a Tabletop Scanning Electron Microscope for Undergraduate Research and Training in Materials Chemistry and Geological Science and STEM Activities in Grades 7-12	NSF-DMR	\$70,844.00	2007-2010
Lall-Ramnarine McEntee (KCC)	Dissecting the Mechanism of Ionic Liquid Antimicrobial Activity: A Structure/Function and Genetic Analysis	CUNY Collaborative	\$30,000.00	2007-2008
Karimi	Reactions of Chlorambucil Analogs With	PSC-CUNY38	\$2,846.67	2007-2008
Lall-Ramnarine	Synthesizing Ionic Liquids for Biological Investigations	PSC-CUNY38	\$3,953.00	2007-2008
Shin	Syntheses Reactions and Mechanistic Study of Vinylogous Amides: C-H Activation of Alkyl Groups in Amines by Hexachloroacetone	PSC-CUNY38	\$2,000.00	2007-2008
Sarno L'Amoreaux (CUNY-CSI)	Synthesis and Characterization of Biosensors Prepared From Conducting Polymer/Enzyme Nanocomposites	CUNY Community	\$30,000.00	2006-2007
Gao	Molecular Interactions and Transformations in the Gas Phase and in Solution	CUNY Community	\$30,000.00	2006-2007
Sarno	The Influence of Dopant Concentration and Monomer Structure on the Morphology of Polyaniline Nanomaterials	PSC-CUNY37	\$2,975.00	2006-2007
Shin	Synthesis of Vinylogous Amide: C-H Activation of Amines by Hexachloroacetone	PSC-CUNY37	\$2,575.00	2006-2007
Gao	pKa of Organic Carbon Acids in Solution	PSC-CUNY37	\$2,775.00	2006-2007
Chauhan	Siloxane Nanoreactors for Functional Metallic Nanoparticles	PSC-CUNY37	\$2,900.00	2006-2007
Gilligan	Hydration of Biologically Significant Species in the Gas Phase	PSC-CUNY 37 Out-of-Cycle	\$3,984.00	2006-2007
Karimi	Synthesis and Investigation of Optically Active Alkoxy-oxazolines and Alkoxy-imidazolin	PSC-CUNY37	\$1,800.00	2006-2007

Shin	Qualitative Quantitative Measurements of Refractive Index Using Laser	PSC-CUNY36 Out-of-cycle	\$4,000.00	2005-2006
Sarno	Influence of pH on Morphology and Oxidation of Polyaniline Nanofibers Prepared by the "Conventional" Synthesis	PSC-CUNY36 Out-of-cycle	\$4,045.00	2005-2006
Gao	A Combined Quantum and Molecular Mechanical QM/MM Study of Acidities of Weak Organic Acids in Water	PSC-CUNY36	\$3,000.00	2005-2006
Karimi	Synthesis and Investigation of Optically Active Alkoxy-oxazolines	PSC-CUNY36	\$1,700.00	2005-2006
Chauhan	Inorganic-Organic Hybrid Composites as	CUNY CC	\$40,000.00	2005-2006
Chauhan	Macromolecular Substitution Approach to Metal Grafted Polysiloxanes	PSC-CUNY 35	\$4,500.00	2004-2005
Gao	A Combined Quantum and Molecular Mechanical QM/MM Study of the Acidities of Weak Organic Acids in Water	PSC-CUNY 35	\$4,400.00	2004-2005
Chauhan	Selective Grafting toward Self-Assembled Hybrid Structures for Electronic, Optical, Magnetic Application	CUNY Collaborative	\$60,000.00	2004-2005
Gao	Computational Study of Organic Host-Guest Chemistry and Carbon Acids in Solutions	CUNY Collaborative	\$30,000.00	2004-2005
Karimi	Preparation and reactions of Chiral oxy-carbanions	The Eppley	\$21,017.00	2004-2005
Karimi	Total Synthesis of Copaene	PSC-CUNY 35	\$1,500.00	2004-2005
Karimi	Lysophospholipids: Synthesis of Stereoisomers and Activity on their Receptors	CUNY Collaborative	\$97,452.00	2003-2005
Chauhan	Macromolecular Substitution Approach to Metal Grafted Polysiloxanes	PSC-CUNY 34	\$3,700.00	2003-2004
Svoronos Karimi	Use of 1H and 13C NMR in the Undergraduate Lab	CUNY	\$2,560.00	2002-2003
Svoronos Karimi	Chemistry and the Arts: Two Years After Instituting the Course	CUNY	\$2,560.00	2002-2003
Karimi	Development and Biological Characterization of Dequalinium Analogues as PKC Inhibitors	PSC-CUNY 33	\$4,500.00	2002-2003
Svoronos	Opportunities Outside Your College: A Seminar Series for Faculty Development in	CUNY	\$3,400.00	2001-2002
Karimi	An Approach Toward a Total Synthesis of Longifolene	PSC-CUNY 32	\$4,325.00	2001-2002
Svoronos Karimi	Incorporating Computer - Based Technology in the Syllabus of Chemistry	CUNY	\$2,840.00	2000-2000
Svoronos Karimi	Using Chemistry in the Restoration of Artifacts	CUNY	\$2,740.00	1999-2000
Karimi	a) Total Synthesis of Sativene b) An Entry into the Ring System of Longifolene	PSC-CUNY30	\$6,136.00	1999-2000
Rutenberg	Excited State Nucleophilic & Acid-Base Chemistry Excited State	PSC-CUNY30	\$5,398.00	1999-2000

	Nucleophilic & Acid-Base Chemistry			
Svoronos	Teaching Organic Chemistry at	CUNY	\$4,000.00	1998-1999
Rutenberg	Excited State Chemistry: Nucleophilic Substitution	CUNY Collaborative	\$30,000.00	1997-1999
Rutenberg	Excited State Chemistry: Nucleophilic Substitution	PSC-CUNY28	\$6,000.00	1997-1998
Wong Cheung	Synthesis and Characterization of Novel Mixed Metal Materials	CUNY Collaborative	\$24,000.00	1994-1996
Snyder	AB Initio Studies of Ozone with Some Positive IonsMulti. Medal...	PSC-CUNY-25	\$4,000.00	1994-1995
Snyder	Chemistry	PSC-CUNY-24	\$1,500.00	1993-1994