

Funded Programs

A. Scientist in Charge – Coordinator of Programs & Scientist in Charge in Phases of Programs

a. EC Programs

“Supramolecular chemistry and gene therapeutic potential of amine-substituted cyclodextrin end-functionalized triazine dendrimers based on melamine” (SUPRAGENE), Contr. No. MTKD-CT-2005-029508 (2006 – 2010), Marie Curie Host Fellowships for the Transfer of Knowledge, funded by EU.
Coordinator: Dr. I.D. Kostas

“A European Research Training Site for the Design and Synthesis of Novel Neuroprotective and Hypoglycaemic Agents through a Multi-disciplinary Approach” (EURODESY), Contr. No. MEST-CT-2005-020575 (2006 – 2010), Marie Curie Early Stage Training, funded by EU.
Coordinator: Dr. N.G. Oikonomakos; sub-coordinators: Dr. I.D. Kostas, Dr. D.D. Leonidas.
I.D. Kostas: scientist in charge of the phase “synthesis of glucopyranosyl-modified thiosemicarbazones as inhibitors of GP”.

“Advancement of Research Capability for the Development of New Functional Compounds” (ARCADE), FP7-REGPOT-2009-1 (EC, grant agreement no. 245866), (2010 – 2013)
Coordinator: Dr. B.R. Steele
I.D. Kostas: scientist in charge of the phase “asymmetric catalysis”.

COST action CM0802: European Phosphorus Sciences Network (PhoSciNet)
I.D. Kostas: member in the Management Committee.

b. National & Bilateral Programs

“Polymetallic hemilabile dendritic nanocatalysts. Synthesis, characterization and applications” (2002-2005), a competitive GSRT R&D project of bilateral cooperation Greece (I.D. Kostas) - Canada (Prof. Dr. G.S. Hanan, Université de Montréal, Département de Chimie).

“Commercialization of new systems for the applied homogeneous catalysis” (2003-2005), a competitive GSRT project for the commercial exploitation of research results.
Scientist in charge: I.D. Kostas

“New materials: Novel chiral nitrogen-containing phosphorus ligands for rhodium-catalyzed enantioselective hydroformylation” (2002-2004), a competitive GSRT R&D project of bilateral cooperation Greece (I.D. Kostas) - Germany (Prof. Dr. A. Börner, Leibniz-Institut für Katalyse an der Universität Rostock).

“Contemporary Organic Chemistry and Applications” (1998), training seminar for high school teachers funded by the Mobility Program of the Greek National Youth Foundation.
Coordinator: Dr. I.D. Kostas

“Design and synthesis of new bioactive and functional molecules” (2005 – 2008), Excellence in the Research Institutes supervised by the GSRT.
Coordinator: Dr. N.G. Oikonomakos.

I.D. Kostas: scientist in charge of the phase “homogeneous catalysis by transition-metal complexes with new ligands”.

B. Participation in Programs

a. EC Programs

“Simple and Mixed Metal Alkyls, Alkoxides and Amides in Synthesis and Catalysis, and as Precursors for New Ceramic and Polymeric Materials”, Contr. No. ERB-CHRXCT930821 (1993–1997), Human Capital and Mobility Network Project, funding by EU. The network was coordinated from the National Hellenic Research Foundation and comprised nine groups from Greece, UK, Ireland, Spain, France, Germany, The Netherlands.

b. National & Bilateral Programs

“Synthesis, characterization and study of the catalytic activity of complexes $M(P,P)X_2$, $M(E,P)X_2$ and $M(E,E)X_2$; $M= Ni, Pd, Pt$; $E=O, S, Se$; $X=Cl, Br$ ” (2011 –), HERAKLEITOS II, Greek Ministry of Education, Life Long Learning and Religious Affairs.

“Design and synthesis of bioactive molecules” (2005 – 2008), a competitive GSRT program.

“Catalytically active rhodium, palladium and zinc complexes with sterically demanding hemilabile P,N–ligands” (2005 – 2006), Programme for the Promotion of the Exchange and Scientific Cooperation between Greece and Germany, IKYDA (collaboration with Prof. Dr. Evamarie Hey-Hawkins, University of Leipzig).

“Study of the metabolism of Vitamin A in liver diseases” (2003 – 2006), ARCHIMEDES: research in Technological Educational Institutes.

“Development of the model structure – properties in bis(thiosubstituted) complexes. Synthesis and applications to transition-metal catalysis and photocatalysis” (2004 – 2006), PYTHAGORAS: research in Universities.

“Novel strategies against neurodegeneration” (2002–2005), Excellence in the Research Institutes supervised by the GSRT.

“Novel catalysts for industrially important chemical processes” Greece-Russia (2002-2004), a competitive GSRT R&D project of bilateral cooperation Greece-Russia (collaboration with Prof. Dr. S.V. Amosova, Favorsky Irkutsk Institute of Chemistry, Siberian Branch of Russian Academy of Sciences).

“New high added-value products” (2002-2004), a competitive GSRT project for the commercial exploitation of research results.

“Design and synthesis of hemilabile ligands for homogeneous catalysis” (1999 – 2001), a competitive GSRT R&D project of bilateral cooperation Greece-Russia (collaboration with Prof. Dr. S.V. Amosova, Favorsky Irkutsk Institute of Chemistry, Siberian Branch of Russian Academy of Sciences).