



Brief Biography

Manolis Stratakis, Professor, born in Crete, Greece;

- B. Sc. in Chemistry, University of Thessaloniki, Greece 1986. Ph. D. in Organic Chemistry, University of Crete, Greece 1991. Thesis title: "Mechanistic studies and synthetic transformations of catalytic photooxidations" (supervisor: prof. M. Orfanopoulos).
- Postdoctoral research associate, University of California at Berkeley 1991-1993 (advisor: prof. A. Streitwieser).
- Visiting Scholar, University of California at Los Angeles, 1995 (advisor: prof. C. S. Foote).
- Assistant professor, Department of Chemistry, University of Cyprus, Cyprus 1997-1999.
- Assistant professor, Department of Chemistry, University of Crete, Greece 1999-2004.
- Associate professor, Department of Chemistry, University of Crete, Greece 2004-2009.
- Professor, Department of Chemistry, University of Crete, Greece 2009-.

- Author of more than 85 scientific articles, contributor to 5 scientific books

Teaching Experience

- Teaching Core Chemistry Courses in both, graduate and undergraduate level.
- Teaching Elective Courses on Organic Synthesis and Retrosynthesis
- Teaching Organic Chemistry in **DIAS (summer intensive course)**

Research Interests

- I. Applications of heterogeneous catalysis in organic transformations.
- II. Biomimetic natural product synthesis.

List of publications in the last two years

79. Gryparis, C.; Kidonakis, M.; Stratakis, M. *Org. Lett.* **2013**, *15*, 6038-41.
"Supported gold nanoparticle-catalyzed cis-selective disilylation of terminal alkynes

by σ disilanes” [Highlighted in SYNFACTS; Synfacts 2014, 10, 332].

80. Gryparis, C.; Stratakis, M. *Org. Lett.* **2014**, *16*, 1430-33. “Nanogold-catalyzed cis-silaboration of alkynes with abnormal regioselectivity”

81. Vasilikogiannaki, E.; Titilas, I.; Gryparis, C.; Louka, A.; Lykakis, I. N.; Stratakis, M. *Tetrahedron* **2014**, *70*, 6106-13. (Invited for the special issue: Nanotek for organic synthesis and organic synthesis for nanotek). “Efficient hydrosilylation of carbonyl compounds by 1,1,3,3-tetramethyldisiloxane catalyzed by Au/TiO₂”

82. Montagnon, T.; Kalaitzakis, D.; Triantafyllakis, M.; Stratakis, M.; Vassilikogiannakis, G. *Chem. Commun.* **2014**, *50*, 15480-98. “Furans and singlet oxygen – why there is more to come from this powerful partnership”

83. Vasilikogiannaki, E.; Titilas, I.; Vassilikogiannakis, G.; Stratakis, M. *Chem. Commun.* **2015**, *51*, 2384-87. “cis-Semihydrogenation of alkynes with amine borane complexes catalyzed by gold nanoparticles under mild conditions”

84. Louka, A.; Gryparis, C.; Stratakis, M. *Arkivoc* **2015**, iii, 38-51 (special issue dedicated to professor M. Orfanopoulos, invited). “Reduction of quinolines to 1,2,3,4-tetrahydroquinolines with hydrosilane/ethanol catalyzed by TiO₂-supported gold nanoparticles under solvent free conditions”

85. Titilas, I.; Kidonakis, M.; Gryparis, C.; Stratakis, M. *Organometallics* **2015**, *34*, 1597-600. “Tandem Si-Si and Si-H activation of 1,1,2,2-tetramethyldisilane by gold nanoparticles initiates reaction with alkynes: Synthesis of substituted 1,4-disila-2,5-cyclohexadienes”

86. Kidonakis, M.; Stratakis, M. *Org. Lett.* **2015**, *17*, 4538-41. “Ligandless regioselective hydrosilylation of allenes catalyzed by gold nanoparticles”