

**Serkos A. Haroutounian**  
**Professor of Chemistry, Agricultural University of Athens**

Received his B.Sc. degree in Chemistry from the University of Patras and pursued doctoral studies at the Agricultural University of Athens (AUA) and the University of Illinois (UI), under the guidance of Professors M. P. Georgiadis and J. C. Bailar Jr. During 1986–7 he moved at the UI to carry out postdoctoral research with Prof. J.A. Katzenellenbogen, where he specialized on the biomedical applications of organic synthesis. After serving the Greek Navy, he was elected as lecturer at the Chemistry Laboratory of the Department of Sciences of the AUA (1989). During 1992–1993 he returned at the UI as visiting professor. On 2002 he was promoted to professor of Chemistry and after a decade (2013) he moved at the Department of Nutritional Physiology and Feeding (Faculty of Animal Sciences and Aquaculture of the AUA). Since 2002 he also been appointed at the Hellenic Open University (Natural Sciences Studies) as Coordinator- Professor of Organic Chemistry



**Contact Info**

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**Research Interests:** *Applications of Organic-Analytical Chemistry for the development of novel bioactive preparations for utilization as food additives, functional foods, biocides and medicines for humans-animals*

Specifically, his research is focusing on:

- a) NATURAL PRODUCTS - ENVIRONMENT** (*i.* isolation-valorisation of bioactive molecules and extracts from plants of Greek flora, *ii.* Management & valorization of agricultural wastes-byproducts, *iii.* evaluation-mitigation of the climate change consequences)
- b) FOODS** (*i.* development-production of novel food additives-supplements, *ii.* exploitation-certification of Greek traditional agricultural products, *iii.* development of novel functional foods), and
- c) BIOMEDICAL APPLICATIONS OF ORGANIC CHEMISTRY** for the development of novel molecules with anti-estrogenic and anti-angiogenic activities.

**Awards-Honors:** His research group accomplished the first asymmetric total synthesis of natural product (+)-prosophylline (*Tetrahedron Letters* **1999**, 40, 6869).

He is member of the Academy of Natural Sciences of Armenia (from **2007**)

His LIFE+ project **DIONYSOS** (management of wineries wastes) was awarded by the Eur. Commission as one of the five best environmental projects of EU for the year **2008**

[http://ec.europa.eu/environment/life/project/Projects/index.cfm?fuseaction=home.createPage&s\\_ref=LIFE03%20ENV/GR/000223](http://ec.europa.eu/environment/life/project/Projects/index.cfm?fuseaction=home.createPage&s_ref=LIFE03%20ENV/GR/000223)

His research on the vinification wastes management was honored in the terms of international scientific competition "Energy Globe Awards, 2010".

His research group has published the first critical interpretation of Dioscorides code (1st century AC) at the *Journal of Ethnopharmacology* (**2015**, 175, 549-566).

**Scientific Activities:** He is the author of **130** scientific publications, consisting of 119 papers in international scientific journals (101 original research, 8 reviews and 9 conference papers), 8 books chapters, 2 patents and one thesis

His research has more than 1.700 (hetero-)citations in the literature

He has 91 presentations and numerous invited lectures in national and international scientific conferences, symposia and workshops

He has supervised the implementation of eleven doctoral and seventeen master theses. Currently, his research team consists of two postdocs, five Ph.D. students and two B.Sc. scientists

He is reviewer of more than 35 international scientific journals and editorial board member of the *Journal of Chemistry*, *American Journal of Agricultural Science and Technology* and *International Journal of Clinical Nutrition and Dietetics*.

**Teaching:** Undergraduate courses of Chemistry (Inorganic, Organic) at AUA (Dept. of Animal Sciences and Aquaculture) and Organic Chemistry at the Natural Sciences School of the Hellenic Open University. Graduate courses on Natural Products and Spectroscopy at AUA departments.

**Scientific Projects:** He has successfully completed the implementation (as Principal Investigator) of 18 research projects funded by EC and Greek government. This activity has resulted in the acquisition of a noticeable research infrastructure and instrumentation which operates as the following AUA facilities:

a. *Laboratory scale:* UPLC/MS-MS, MPLC, HPLC, GC/MS, Microarray reader, UV-vis microplate scanner, UV-vis, Microwave Digestion-Extraction System (MARS), PCR, Hoods, Freeze dryer, Ultrasound extractors, Centrifuges, Rotary evaporators etc

b. *Pilot scale:* Ultrasound extractor (capacity 25 Kg), Large scale rotary evaporator (capacity 25 L), Composting unit (two closed vessels and four open air windrows, each 10m<sup>3</sup> capacity), Essential oil production units simple (150 Kg capacity) and microwaves operated (5 Kg capacity)

Currently, he is the scientist-in-charge of two financed by the EC research projects that are being implemented into AUA premises, concerning the:

A. **ENVIRONMENT** (LIFE12ENV/GR/000466), entitled **CONOPS** ([www.conops.gr](http://www.conops.gr)): *Development & demonstration of management plans against -the climate change enhanced-invasive mosquitoes in S. Europe* (2013-17), and

B. **CLIMATE CHANGE** (LIFE14CCM/GR/000635), entitled **CLIMATREE** ([www.lifeclimatree.eu](http://www.lifeclimatree.eu)): *A novel approach for accounting & monitoring carbon sequestration of tree crops and their potential as carbon sink areas* (2015-19)

He is reviewer of scientific projects for the EC, Greece, Cyprus, Poland, Italy, Belgium Armenia etc.

**Administrative:** On **2014** he was appointed as member of the Scientific Board of the Agri-nutritional committee of the National Committee of Research & Technology of Greece

He is the Greek delegate at the EU network for the valorization of carotenoids COST-CA15136 (2016-20, **EUROCAROTEN**-*European network to advance carotenoid research and applications in agro-food and health*). He held similar positions -in the past- for the networks COST-CM602 (2007-11, **ANGIOKEM**-*Inhibitors of angiogenesis: design, synthesis and biological exploitation*) και COST-CM1106 (2012-16, **STEMCHEM**-*Chemical approaches to target drug resistance in cancer stem cells*)

For two years (3/2013-4/2015) he was appointed as chairman of the board of directors of the Hellenic Agricultural Organization DIMITRA, the national authority for

- A) inspections-security assurance of the agricultural products of Greece,
- B) supervision of production-imports of meat and dairy products in Greece,
- C) the agricultural research of the country (11 Institutes), and
- D) the agricultural education and training of Greece

He was the Greek delegate at the EC committee for the horizontal actions in 7<sup>th</sup> Research Framework (2005-7) and National expert at the EC committee for the SMEs research of (2008-10)

He has served as board member of the AUA Research Account (2008-13) and the Benaki Phytopathological company (2005-10). He was member of the advisory board of Benaki Phytopathological Institute (2006-14) and subst. member of NAGREF's (National Agricultural Research Foundation) scientific committee.

**Other Activities:** He has collaborated with cooperatives, prefectures and municipalities from Santorini, Tyrnavos, Cephalonia, Elefsina and Serres on issues concerning the agricultural development, green agriculture or addressing diverse environmental problems. These initiatives have provided insights for the singularities recognition of various local agricultural products with particular historical and economical interest, such as the fava and tomato of Santorini, Tspouro of Tyrnavos and Vatikiotio onion. For these products, the necessary data-documents were produced-gathered for their certification as PDO (Protected Designation of Origin) products

Additionally, he has studied-evaluated the bioactive molecules content of numerous Greek wines and contributed to the development of procedures such as the home composting system of Elefsina municipality

Currently, he collaborates with

*i. Union of Cooperatives of Thira (Santorini)* for the exploitation-promotion of the agricultural production of Santorini island,

*ii. Union of Wine Cooperatives of Greece* for the development-promotion of Greek wines,

*iii. Prefecture of Central Greece* on issues concerning the quality assurance and certification of their agricultural production, the valorization-promotion of their PDO products and the implementation of the new rural development framework-program

He is an elected member of the Central Council of the Armenian community of Greece and member of the Armenian National Committee of Greece. For many years he has served at the Directory Board of the Greek-Armenian schools.

**Development Projects:** He has supervised the implementation of the following projects of the Greek Ministry of Foreign Affairs (HELLENIC AID), all connected with the development of rural sector of Armenia:

*a.* Development of the food safety system of Armenia and organization-installation-operation of a pesticide residues detection laboratory,

*b.* Foundation of a farmers cluster in Northern Armenia (Bagradashen), which was provided with cultivation, crops preservation, transport and marketing means,

*c.* Creation-operation of a laboratory for the control of irrigation and drinking water resources of Armenia, and

*d.* Creation-operation of an animal feed production plant in Ararat province.

## Scientific Publications

### Research Papers

1. Water Soluble *cis* - Platinum (II) Complexes  
S.A. Haroutounian, M.P. Georgiadis, J.C. Bailar Jr.  
*Inorganica Chimica Acta* **1986**, 124, 137-139
2. The use of the Strecker reaction for the synthesis of sympathomimetic amine analogues and their *cis*-Pt (II) complexes  
S.A. Haroutounian, M.P. Georgiadis, A.K. Delitheos, J.C. Bailar Jr.  
*European Journal of Medicinal Chemistry* **1987**, 22, 325-329
3. Synthesis and Biological Studies of Steroidal *cis* - Platinum (II) Complexes  
M.P. Georgiadis, S.A. Haroutounian, K.P. Chondros  
*Inorganica Chimica Acta* **1987**, 138, 249-252
4. Hydroxystilbazoles and Hydroxyazaphenanthrenes: Photocyclization and Fluorescence Studies  
S.A. Haroutounian and J.A. Katzenellenbogen  
*Photochemistry and Photobiology* **1988**, 47, 503-516
5. Products from Furans V. Synthesis of Oxygen Containing Isosteres of Sympathomimetic Amines via 6-Hydroxy-2H-pyran-3(6H)-ones and their *cis* - Platinum (II) Complexes  
M.P. Georgiadis, S.A. Haroutounian, J.C. Bailar Jr.  
*Journal of Heterocyclic Chemistry* **1988**, 25, 995-1002
6. A facile and high yield synthesis of  $\alpha$ -benzylamino nitriles by a modified Strecker reaction  
M.P. Georgiadis and S.A. Haroutounian  
*Synthesis* **1989**, 616-618
7. Stereochemistry of the Bucherer-Bergs Reaction and a Modified Strecker Reaction on Tetrahydro-2H-pyran-3-ones  
S.A. Haroutounian, M.P. Georgiadis, M.G. Polissiou  
*Journal of Heterocyclic Chemistry* **1989**, 26, 1283-1287
8. Magnesium and Calcium content of drinking water, fruit juices, salt and saffron of Greece  
P. Tarantilis, S.A. Haroutounian, M.G. Polissiou  
*Trace Elements in Medicine* **1990**, 7, 59-60

9. A Convenient Synthesis of 5-Substituted 2-Pyrrolidinones via 2H-pyran-3(6H)-ones  
M.P. Georgiadis, S.A. Haroutounian, C.D. Apostolopoulos  
*Synthesis* **1991**, 379–381
10. Products from Furans XV: Synthesis of Novel Tyramine Derivatives via 6-Hydroxy-2H-Pyran-3(6H)-ones  
M.P. Georgiadis, C.D. Apostolopoulos, S.A. Haroutounian  
*Journal of Heterocyclic Chemistry* **1991**, 28, 599–604
11. Products from Furans XVI: Novel Synthetic Routes to Sympathomimetic Amine Analogues via 6-Hydroxy-2H-Pyran-3(6H)-ones  
M.P. Georgiadis, S.A. Haroutounian, E.A. Couladouros, C.D. Apostolopoulos, K.P. Chondros  
*Journal of Heterocyclic Chemistry* **1991**, 28, 697–703
12. A Convenient Synthesis of Oxaspiro[5.5]undecane Derivatives  
M.P. Georgiadis, A. Tsekouras, S.I. Kotretsou, S.A. Haroutounian, M.G. Polissiou  
*Synthesis* **1991**, 929–932
13. Aromatic Fluorination by Silver-Ion Promoted Decomposition of Aryl DiazoSulfides: Efficient Utilization of Substoichiometric Levels of Fluoride Ion  
S.A. Haroutounian, J.P. Dizio, J.A. Katzenellenbogen  
*Journal of Organic Chemistry* **1991**, 56, 4993–4996
14. (RS)-2-(p-Benzyloxyphenyl)-2-methyl-3,4,5,6-tetrahydro-2H-pyran-3-one  
Z. Ciunik, M.P. Georgiadis, S.A. Haroutounian  
*Acta Crystallographica* **1991**, C47, 2146–2148
15. Products from Furans XXI: Synthesis of Novel Oxygen Containing Heterocyclic Isosteres of Tyrosine and Tyramine  
M.P. Georgiadis and S.A. Haroutounian  
*Journal of Heterocyclic Chemistry* **1992**, 29, 391–399
16. Selenium Dioxide Mediated Cleavage of 1,3-Dithiolanes: A Convenient Method of Dedithioacetalization  
S.A. Haroutounian  
*Synthesis* **1995**, 39–40
17. 4-Hydroxystyryldiazines: Their Synthesis and Fluorescence Properties  
S.A. Haroutounian and J.A. Katzenellenbogen  
*Tetrahedron* **1995**, 51, 1585–1598
18. Electron Impact Ionization Mass Spectra of 6-Carbamate-2H-pyran-3(6H)-one and 5H-pyran-[3,2-d]-oxazol-2,6-dione Derivatives  
E.A. Couladouros and S.A. Haroutounian  
*Journal of Heterocyclic Chemistry* **1995**, 32, 579–584
19. Derivatives of 4-Styrylpyridine: Synthesis, Estrogen Receptor Binding Affinity and Photochemical Properties



- S.A. Haroutounian, A.W. Scribner, J.A. Katzenellenbogen  
*Steroids* **1995**, *60*, 636–645
20. Electron Impact Mass Spectrometry of (E)-Diaza-and Aza-stilbene Derivatives  
S.A. Haroutounian  
*European Mass Spectrometry* **1995**, *1*, 395–398
21. A Convenient Synthesis of Functionalized 8- and 9- Aza-1-Oxaspiro[5.5]undecanes  
C.D. Apostolopoulos and S.A. Haroutounian  
*Journal of Heterocyclic Chemistry* **1995**, *32*, 1843–1845
22. Reaction of 4'-Benzyloxy-2-(4-pyridinyl)acetophenone with Ethylmagnesiumchloride: Unusual C-Benzylation and *in situ* Reduction via  $\beta$ -Hydrogen Transfer  
S.A. Haroutounian and E.A. Couladouros  
*Liebigs Annalen* **1996**, 1139–1141
23. Electron Impact Mass Spectrometry of Azinyl and Diazinyl Ethanol Derivatives  
C.D. Apostolopoulos, S.D. Koulocheri, E.A. Couladouros, S.A. Haroutounian  
*European Mass Spectrometry* **1996**, *2*, 301–304
24. Efficient Synthesis of Aminonaphthoquinones and Azidobenzohydroquinones: Mechanistic Considerations of the Reaction of Hydrazoic Acid with Quinones. An Overview.  
E.A. Couladouros, Z.F. Plyta, S.A. Haroutounian, V.P. Papageorgiou  
*Journal of Organic Chemistry* **1997**, *62*, 6–10
25. 1-Aryl-2-pyridyl-3,4-dihydronaphthalenes: Photophluorogenic Ligands for the Estrogen receptor  
A.W. Scribner, S.A. Haroutounian, K.E. Carlson, J.A. Katzenellenbogen  
*Journal of Organic Chemistry* **1997**, *62*, 1043–1057
26. 1,4-Reductive Addition of Hydrazoic Acid and  $\gamma$ -Oxo-to  $\alpha,\beta$ -unsaturated  $\delta$ -Lactones and Lactams: A Convenient Route to  $\alpha$ -Amino- $\gamma$ -oxo  $\alpha,\beta$ -unsaturated  $\delta$ -Lactones and Lactams  
S.D. Koulocheri, S.A. Haroutounian, C.D. Apostolopoulos, E.A. Couladouros, R. Chada  
*European Journal of Organic Chemistry* **1999**, 1449–1453
27. Transformation of D-Glucal to (2S)-Hydroxymethyl-dihydropyridones as Intermediates to Piperidine Alkaloids  
S.D. Koulocheri and S.A. Haroutounian  
*Synthesis* **1999**, 1889–1892
28. Asymmetric total synthesis of (-)-prosophylline  
S.D. Koulocheri and S.A. Haroutounian  
*Tetrahedron Letters* **1999**, *40*, 6869–6870

29. Stereoselective Michael Addition of Thiophenols, amino Acids and Hydrazoic Acid to (2S)-Hydroxymethyl-dihydropyridone as a Convenient route to Novel Azasugar Derivatives  
S.D. Koulocheri, P. Magiatis, A-L. Skaltsounis, S.A. Haroutounian  
*Tetrahedron* **2000**, *56*, 6135–6141
30. Ultrasound promoted Synthesis of 2,3-bis-(4-Hydroxyphenyl)-indoles as Inherently Fluorescent Ligands for the Estrogen Receptor  
S.D. Koulocheri and S.A. Haroutounian  
*European Journal of Organic Chemistry* **2001**, 1723–1729
31. Volatile Secondary Metabolite Pattern of callus Cultures of *Chamomilla Recutita*  
P. Magiatis, A. Michaelakis, A-L. Skaltsounis, S.A. Haroutounian  
*Natural Products Letters* **2001**, *15*, 125–130
32. Synthesis and Biological Evaluation of Novel Daunorubicin-Estrogen Conjugates  
K.M. Kasiotis, P. Magiatis, H. Pratsinis, A-L. Skaltsounis, V. Abadji, A. Charalambous, P. Moutsatsou, S.A. Haroutounian  
*Steroids* **2001**, *66*, 785–791
33. Determination of principal Phenolic Phytochemicals in varietal Red Greek Wines  
A-V. Sakkiadi, M.N. Stavrakakis, S.A. Haroutounian  
*Food Science and Technology* **2001**, *34*, 410–413
34. Asymmetric Synthesis of  $\gamma$ -Keto- $\delta$ -lactam Derivatives: Application to the Synthesis of a Conformationally Constrained Surrogate of Ala-Ser Dipeptide  
S. D. Koulocheri, P. Magiatis, S.A. Haroutounian  
*Journal of Organic Chemistry* **2001**, *66*, 7915–7918
35. A convenient route to alkaloid lipids: Application to the synthesis of *leptophyllin A* analog  
S.D. Koulocheri, M.N. Pitsinos, S.A. Haroutounian  
*Synthesis* **2002**, 111–115
36. Synthesis and Antioxidant Activity of 3-Substituted Guaiazulene Derivatives  
H. Pratsinis and S.A. Haroutounian  
*Natural Product Letters*, **2002**, *16*, 201–205
37. Asymmetric synthesis of (2*R*, 3*R*)-3-hydroxypipercolic acid- $\delta$ -lactam derivatives  
S.D. Koulocheri and S.A. Haroutounian  
*Tetrahedron*, **2002**, *38*, 6665–6671
38. Chemical composition and *in vitro* antimicrobial activity of the essential oils of three Greek *Achillea* species  
P. Magiatis, A-L. Skaltsounis, I. Chinou, S.A. Haroutounian  
*Z. Naturforschung C*, **2002**, 287–290
39. An Expedient Asymmetric Synthesis of Calystegine B<sub>4</sub> Analogues

S.D. Koulocheri, M.N. Pitsinos, S.A. Haroutounian  
*Synthesis* **2002**, 1707–1710

40. Methanolic Extract of *Verbascum Macrurum* as a source of Natural Preservatives against Oxidative Rancidity  
N. Aligiannis, S. Mitaku, E. Tsitsa-Tsardis, I. Tsaknis, S. Lalas, S.A. Haroutounian  
*Journal of Agricultural and Food Chemistry* **2003**, 51, 7308–7312
  
41. Essential Oils of *Satureja*, *Origanum* and *Thymus* Species: Chemical Composition and Antibacterial Activities Against Five Foodborne Pathogens  
N. Chorianopoulos, E. Kalpoutzakis, N. Aligiannis, S. Mitaku, G-J. Nychas, S.A. Haroutounian  
*Journal of Agricultural and Food Chemistry* **2004**, 52, 8261–8267
  
42. 2-Pyridin-2-yl-1H-indole derivatives: synthesis, estrogen receptor binding affinity and photophysical properties  
K.M. Kasiotis and S.A. Haroutounian  
*Bioorganic Chemistry* **2006**, 34, 1–14
  
43. High affinity 17 $\alpha$ -substituted estradiol derivatives: Synthesis and evaluation of estrogen receptor agonist activity.  
K.M. Kasiotis, Ch. Mendorou, S.A. Haroutounian, M.N. Alexis  
*Steroids* **2006**, 71, 249–255
  
44. A newly developed assay to study the minimum inhibitory concentration of *Satureja spinosa* essential oil  
N. Chorianopoulos, E. Evergatis, P. Skandamis, S.A. Haroutounian, G-J. Nychas  
*Journal of Applied Microbiology* **2006**, 100, 778–786
  
45. Synthesis of Novel Conformationally Constrained Pyrazolo[4,3-c]quinoline Derivatives as Potential Ligands for the Estrogen Receptor  
K.M. Kasiotis, N. Fokialakis, S.A. Haroutounian  
*Synthesis* **2006**, 1791–1802
  
46. Characterization of the Essential Oil Volatiles of *Staureja thymbra* and *Satureja parnassica*: Influence of Harvesting Time and Antimicrobial Activity  
N. Chorianopoulos, E. Evergetis, A. Mallouchos, Kalpoutzakis, G-J. Nychas, S.A. Haroutounian  
*Journal of Agricultural and Food Chemistry* **2006**, 54, 3139–3145
  
47. Inhibition of ozone-induced SP-A oxidation by plant polyphenols  
D. Stagos, T.M. Umstead, D.S. Phelps, A-L. Skaltsounis, S.A. Haroutounian, J. Floros, D. Kouretas  
*Free Radical Research* **2007**, 41, 357–366



48. Essential Oils from Forty-Nine Plants of Greek Biodiversity: Correlation between Chemical Composition and Antibacterial Activities against Foodborne Pathogens  
N.G. Chorianopoulos, E.T. Evergetis, N. Aligiannis, S. Mitakou, G-J. Nychas, S.A. Haroutounian  
*Natural Product Communications* **2007**, 2, 419–426
49. Synthesis of (R)-Dihydropyridones as Key Intermediates for the Efficient Access to Piperidine Alkaloids  
E. Tzanetou, K.M. Kasiotis, P. Magiatis, S.A. Haroutounian  
*Molecules* **2007**, 12, 735–744
50. Synthesis of Novel Nitrosubstituted Triaryl Pyrazole Derivatives as Potential Ligands for the Estrogen Receptor  
F. Naoum, K.M. Kasiotis, P. Magiatis, S.A. Haroutounian  
*Molecules* **2007**, 12, 1259–1273
51. A standard addition method to assay the concentration of biologically interesting polyphenols in grape berries by reversed-phase HPLC  
A-V. Sakkiadi, C.A. Georgiou, S.A. Haroutounian  
*Molecules* **2007**, 12, 2259–2269
52. Disinfectant tests against monoculture and mixed-culture biofilms composed of technological, spoilage and pathogenic bacteria: bactericidal effect of essential oil and hydrosol of *Satureja thymbra* and comparison with standard acid-base sanitizers  
N. G. Chorianopoulos, E.D. Giaouris, P. N. Skandamis, S. A. Haroutounian, G-J. Nychas  
*Journal of Applied Microbiology* **2008**, 104, 1586–1596
53. Headspace solid phase micro extraction gas chromatographic determination of fenthion in human serum  
K.M. Kasiotis, H. Souki, A.N. Tsakirakis, H. Carageorgiou, S.A. Theotokatos, S.A. Haroutounian, K. Machera  
*International Journal of Molecular Sciences* **2008**, 9, 906–913
54. PIFA-mediated synthesis of novel pyrazolquinolin-4-ones as potential ligands for the estrogen receptor  
M.S. Christodoulou, K.M. Kasiotis, N. Fokialakis, I. Tellitu, S.A. Haroutounian  
*Tetrahedron Letters* **2008**, 49, 7100–7102
55. Antilisterial Activities of Polyphenol-Rich Extracts of Grapes and Vinification Byproducts  
M. Anastasiadi, N.G. Chorianopoulos, G-J. Nychas, S.A. Haroutounian  
*Journal of Agricultural and Food Chemistry* **2009**, 57, 457–463
56. Chemical composition and larvicidal activity of essential oils from six Apiaceae family taxa against West Nile virus vector *Culex pipiens*  
E. Evergetis, A. Michaelakis, E. Kioulos, G. Koliopoulos, S.A. Haroutounian

57. Differential Estrogen Receptor Modulators: Assessment of Estrogen Receptor Subtype-Binding Selectivity and Transcription-regulating Properties of New Cycloalkyl Pyrazoles  
X. Alexi, K.M. Kasiotis, N. Fokialakis, G. Lambrinidis, A.K. Meligova, E. Mikros, S.A. Haroutounian, M.N. Alexis  
*Journal of Steroid Biochemistry – Chemical Biology* **2009**, *117*(4-5), 159–167
58. <sup>1</sup>H NMR- Based Metabonomics for the Classification of Greek Wines According to Variety, Region and Vintage. Comparison with HPLC Data.  
M. Anastasiadi, A. Zira, P. Magiatis, S.A. Haroutounian, A-L. Skaltsounis, E. Mikros  
*Journal of Agricultural and Food Chemistry* **2009**, *57*, 11067–11074
59. Determination of Biologically Interesting Polyphenols in Grapes, Wines and Vinification Byproducts of Greek Origin: Assessment of their *in vitro* Antioxidant Activity  
M. Anastasiadi, H. Pratsinis, D. Kletsas, A-L. Skaltsounis, S.A. Haroutounian  
*Food Research International* **2010**, *43*, 805–813
60. Novel Pyrazole Derivatives: Synthesis and Evaluation of Anti-angiogenic Activity  
M. S. Christodoulou, S. Liekens, K.M. Kasiotis, S.A. Haroutounian  
*Bioorganic Medicinal Chemistry* **2010**, *18*, 4338–4350
61. Pesticides residues in milks and feedstuff of farm animals drawn from Greece  
E. Tsiplakou, C. J. Anagnostopoulos, K. Liapis, S.A Haroutounian, G. Zervas  
*Chemosphere* **2010**, *80*, 504–512
62. Validation of the QuEChERS method for the determination of 25 priority pesticide residues in cereal based baby foods by gas chromatography with electron capture and nitrogen phosphorous  
C. J. Anagnostopoulos, P. Aplada Sarli, G.E. Miliadis, S.A Haroutounian  
*Hellenic Plant Protection Journal* **2010**, *3*, 71–80
63. Effect of *Satureja thymbra* essential oil on growth-no growth interfaces of *Listeria monocytogenes* Scott A and *Salmonella* Enteritidis PT4, at various temperatures, pH, and water activities  
I. S. Boziaris, N.G. Chorianopoulos, S. A. Haroutounian, G.-J. Nychas  
*Journal of Food Protection* **2011**, *74*, 45–54
64. Development and validation of a tertiary simulation model for predicting the growth of the food microorganisms under dynamic and static temperature conditions  
A. Psomas, G-J. Nychas, S.A. Haroutounian, P. Skandamis  
*Computers and Electronics in Agriculture* **2011**, *76*, 119–129
65. Effects of grape extracts on the *in vitro* activity of enzymes involved in oxidative stress regulation  
C. Spanou, A.S. Veskoukis, D. Stagos, K. Liadaki, M. Anastasiadi, M. Tsouka, E. Tzanakouli, S.A. Haroutounian, D. Kouretas

66. Effects of Greek legume plant extracts on xanthine oxidase, catalase and superoxide dismutase activities  
C.I. Spanou, A.S. Veskoukis, D. Stagos, K. Liadaki, N. Aligiannis, A. Angelis, A-L. Skaltsounis, M. Anastasiadi, S.A. Haroutounian, D. Kouretas  
*Journal of Physiology and Biochemistry* **2012**, *68*, 37–45
67. An Efficient Synthetic Route to 1,6-Dihydropyridones  
E.N. Tzanetou, K.M. Kasiotis, S.A. Haroutounian  
*American Journal of Organic Chemistry* **2012**, *2*, 35–38
68. Essential oils of endemic in Greece six *Juniperus* taxa: Chemical composition and larvicidal activity against the West Nile virus vector *Culex pipiens*  
F. Vourlioti-Arapi, A. Michaelakis, E. Evergetis, G. Koliopoulos, S. A. Haroutounian  
*Parasitology Research*, **2012**, *110*, 1829–1839
69. LabBase: development and validation of an innovative food microbial growth responses database  
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### Thesis

Synthesis of Sympathomimetic Amine Analogues and their Complexation with Platinum (II)  
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