

Curriculum Vitae

Anna Tsantili-Kakoulidou

Place of birth: Athens, Greece

Date of Birth : 4-2-1948

Nationality: Greek

Professional Address: University of Athens

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EDUCATION :

- Degree in Pharmacy, University of Athens (1970)
- Ph.D. in Pharmaceutical Chemistry, University of Athens (1976)
- Post Doc in Quantitative Structure-Activity Relationships (QSAR) ,
Department of Pharmacology Free University , Amsterdam (1983)

PRESENT POSITION HELD: Professor in the Department of Pharmacy, Division of Pharmaceutical Chemistry

SABBATICAL LEAVE:

September 1982- June 1983: Visiting Scientist in the Department of Pharmacology, Free University of Amsterdam, the Netherlands

April-June 1985, June 1987, May-June 1989, July 1994 : Visiting Scientist in the Department of Pharmacy, University of Lausanne, Switzerland

June 1990: Visiting Scientist in the Department of Biochemistry, University of Leeds, Great Britain

RESEARCH INTERESTS

- Quantitative Structure -Activity /Property Relationships (QSAR/QSPR)
- Multivariate Data Analysis
- Investigation of Lipophilicity and other physicochemical/molecular properties relevant to biological activity
- Biomimetic Chromatography
- Metabonomics
- Research on PPARs

TEACHING ACTIVITY

- 2000-2010: Supervisor of 10 MsC students.
- 1999-2010: Supervisor of 3 PhD students.
- 2005-today: Courses in Inorganic Pharmaceutical Chemistry to the 2nd semester of Pharmacy Curriculum
- 2005-today: Courses in Pharmacy Law to the 9th semester of Pharmacy Curriculum
- 1999-today: Courses of “Statistics and Chemometrics” to graduate students of the Pharmacy and Chemistry Department Graduate School.
- 1999-today: Elective Courses in ‘Separation Techniques in Pharmaceutical Analysis’ to 5th semester of Pharmacy Curriculum
- 1995-today: Courses of “Advanced Medicinal Chemistry” to graduate students of the Pharmacy Department Graduate School.
- 1995-today: Courses of “Advanced Pharmaceutical Analysis” to graduate students of the Pharmacy Department Graduate School.
- 1986-today: Elective Courses in ‘Drug Design’ to the 5th semester of Pharmacy Curriculum
- 1972- today: Teaching in the Pharmaceutical Chemistry practical sessions of the 3rd year Pharmacy students

FOREIGN LANGUAGES

English, German, French, Italian

MONOGRAPHS

1. Anna Tsantili-Kakoulidou, Athens, 1976 Synthesis and investigation of the local anesthetic activity of novel 5-amine-salicylic acid derivatives (PhD Thesis)
2. Anna Tsantili- Kakoulidou, Athens, 1993, Basic Principles in Drug Design for the elective courses in ‘Drug Design’.
3. Anna Tsantili- Kakoulidou, Athens, 1999, Multivariate Statistical Methods for the Courses of “Statistics and Chemometrics’.

4. Anna Tsantili- Kakoulidou, Athens, 1999, Effect of Physicochemical properties in biological activity -Quantitative Structure-Activity Relationships, In "Courses in Advanced Medicinal Chemistry I.
5. Costas Demetzos, Helen Skaltsa and Anna Tsantili- Kakoulidou, Athens 2008, Pharmacy Law and Ethics for the courses in 'Pharmacy Law'.
6. Andreas Vavagiannis, Michael Kazanis and Anna Tsantili- Kakoulidou, Athens, 2008, Practical guide for the Laboratory of Pharmaceutical Chemistry (Synthesis of Drugs)

JOURNAL REVIEWER

- QSAR & Combinatorial Science
- Journal of Chromatography A
- Journal of Chromatography B
- Journal of Pharmaceutical and Biomedical Analysis
- Journal of Molecular Graphics and Modelling
- Journal of Pharmacy and Pharmacology
- Current Medicinal Chemistry
- Biomedical Chromatography
- In Silico Biology (ISB)
- Journal Medicinal Chemistry
- European Journal of Medicinal Chemistry
- Molecules
- Journal of Separation Sciences

OTHER ACTIVITIES

- **President of the Hellenic Society of Medicinal Chemistry** (2002- present), Council member in the years 1999-2002 and 1985-1989).
- **Council Member of European Federation of Medicinal Chemistry, EFMC** (2006-present), **Member of the Education and Training Committee of EFMC** (2007-2010)
- **Vice President** of the Division of Pharmacology of the Association of Greek Chemists (1995 – 2001).

- **Vice President** of the Committee for the Greek Pharmacopoeia **of the National Drug Organization** (2000-2004), member of the Committee: 1987-2000.
- **Editor** of the Greek scientific journal "Pharmakeftiki" 2007-present, **Co-Editor** 1988-2007

Organization of Symposia

- **18th European Symposium on Quantitative Structure-Activity Relationships** -EuroQSAR2010, Rhodes, Greece , **Symposium Chair**
- XXth International Symposium on Medicinal Chemistry (Vienna, 2008), **Member of the Scientific Advisory Committee**
- logP2009, Zurich February 2009, **Member of the Scientific Advisory Committee**
- 3rd International Symposium on Medicinal and Pharmaceutical Chemistry IMMPC-3 (Antalya, 2007), **Member of the Scientific Advisory Committee**
- XIXth International Symposium on Medicinal Chemistry (Istambul, 2006), **Member of the Scientific Advisory Committee**
- 2003 Annual Conference of the European Association of Faculties of Pharmacy (Athens 2003), **Member of the Organizing Committee**
- **Coordinator of the Scientific Committee** of the 12th, 13th and 14th Hellenic Symposium on Medicinal Chemistry (2006, 2008, 2010)
- **Member of the organizing committee** of the 3rd, 7th 8th 9th 10th and 11th Hellenic Symposium on Medicinal Chemistry (1986, 1996, 1998, 2000, 2002, 2004)
- **Member of the organizing committee** of the 9th Hellenic Pharmaceutical Congress (1998)

PUBLICATION LIST

1. **A. Tsantili-Kakoulidou**, G.Tsatsas, Synthese et activite anesthesique locale de derives de l'acide amino-5 salicylique' *Prakt.Akad.Ath.* 55: 211-233 (1980)
2. **A. Kakoulidou**, R.F.Rekker, ' A critical appraisal of logP fragmental Procedures and connectivity indexing for reversed phase Thin-Layer

- Chromatographic and High -Performance Liquid Chromatographic data obtained for a series of Benzophenones.' *J.Chromatogr.*, 295: 341-353 (1984)
3. **A. Tsantili-Kakoulidou**, N.El Tayar, H.van de Waterbeemd, B.Testa, 'Structural Effects in the Lipophilicity of Di-and Poly-substituted Benzenes as measured by reversed phase High Performance Liquid Chromatography, *J.Chromatogr.* 389: 33-45 (1987)
 4. N. El Tayar, **A.Tsantili-Kakoulidou**, T.Roethlisberger, B.Testa, G.Gal, 'Different Partitioning Behaviour of Sulfonyl-containing compounds in reversed-Phase High-Performance Liquid Chromatography and Octanol-Water Systems' *J.Chromatogr.*, 439: 237-244 (1988)
 5. **A.Tsantili-Kakoulidou**, 'Lipophilicity-Partition Coefficients', *Pharmakeftiki*, 1: 45-47 (1988)
 6. **A.Tsantili-Kakoulidou***, A.Antoniadou-Vyza, 'Hydrophobicity Studies on Diadamantyl Derivatives. Comparison between calculated Partition Coefficients and experimental Lipophilicity Indices determined by reversed phase High-Performance Liquid Chromatography and Thin Layer Chromatography. ' *J.Chromatogr.* 445: 317-326 (1988)
 7. **A.Tsantili-Kakoulidou***, A.Antoniadou-Vyza 'Determination of the Partition Coefficients of Adamantyl Derivatives by reversed phase TLC and HPLC.' '*QSAR:Quantitative Structure-Activity Relationships in Drug Design*', pp.71-74, Alan R. Liss, Inc. (1989)
 8. G.N.Wernly-Chung, J.M.Mayer, **A.Tsantili-Kakoulidou**, B.Testa, 'Structure-reactivity relationships in the chemical hydrolysis of prodrug esters of nicotinic acid' *Int.J.Pharm.* 63: 129-134 (1990)
 9. **A.Tsantili-Kakoulidou**, "Quantitative Structure -Pharmacokinetic Relationships in Drug Design, *Pharmakeftiki* 3: 6-18 (1990)
 10. M. Kazanis, **A.Tsantili-Kakoulidou**, "Antihypertensive Agents :Chemical Structure, Structure -Activity Relationships " , *Pharmakeftiki*, 3, 175-189 (1990)
 11. Bechalany, **A.Tsantili-Kakoulidou**, N.El Tayar, B.Testa, 'Measurement of lipophilicity indices by reversed-phase high-performance liquid chromatography: comparison of two stationary phases and various eluents' *J.Chromatogr.* 541: 221-229 (1991)

12. **A. Tsantili-Kakoulidou***, A. Antoniadou-Vyza, 'Hydrophobicity studies of protonated tertiary amines and quaternary salts, using reversed-phase Thin Layer Chromatography.' *QSAR: Rational Approaches to the Design of Bioactive Compounds*, pp 91-94 C.Silipo and A.Vittoria eds. Elsevier Science Publishers B.V. Amsterdam (1991)
13. **A.Tsantili-Kakoulidou***, L.B.Kier, 'A Quantitative Structure-Activity Relationships study on odor modalities of alkyl-pyrazines', *Pharm.Res.* 9: 1321-1323 (1992)
14. **A.Tsantili-Kakoulidou**, L.B.Kier, N.Joshi, 'The use of electrotopological state indices in QSAR studies', *J.Chim.Phys.* 89: 1729-1733 (1992)
15. P.Tsitsa, A.Antoniadou-Vyza, S.J.Hamodrakas, E.E.Eliopoulos, **A.Tsantili-Kakoulidou**, E.Lada-Hytiroglou, C.Roussakis, I.Chinou, A.Hempel, N.Camerman, F.P.Ottenmeyer, D.A.Van de Berghe, 'Synthesis, crystal structure and Biological Properties of a new series of lipophilic s-triazines, Dihydrofolate Reductase Inhibitors', *Eur.J.Med.Chem.* 28: 149-158 (1993)
16. **A.Tsantili-Kakoulidou***, E.Filippatos, O. Todoulou, A.Papadaki-Valiraki, 'The Use of Reversed Phase High Performance Liquid Chromatography in Lipophilicity Studies of 9H-Xanthene and 9H-Thioxanthene Derivatives containing an aminoalkanamide or a nitrosureido Group. Comparison between Capacity Factors and Calculated Octanol-Water Partition Coefficients' *J.Chromatogr.A* 654: 43-52 (1993)
17. **A.Tsantili-Kakoulidou**, " The dual nature of lipophilicity, Recent views and Anatomy of Partition Coefficients" *Pharmakeftiki* 6: 11-23, (1993)
18. Th. Siatra-Papastaikoudi, A.Papadaki-Valiraki, **A.Tsantili-Kakoulidou**, L. Tzouveleki, A.Mentis, 'Synthesis, Lipophilicity Studies and Antibacterial Properties of Some Novel Quaternary Ammonium Salts'. *Chem.Pharm. Bull.* 42: 392-394 (1994)
19. S.Piperaki, **A.Tsantili-Kakoulidou**, M.Parissi-Poulou, 'Solvent Selectivity in Chiral Chromatography, using a β -cyclodextrin bonded phase' *Chirality*, 7:257-266 (1995)
20. **A.Tsantili-Kakoulidou**, "Assessment of Lipophilicity by means of partition chromatography" *Pharmakeftiki*, 7: 70-82, (1995)

21. E. Antoniadou-Vyza, P. Tsitsa, E. Hytioglou, **A. Tsantili-Kakoulidou** “New adamantan-2-ol and adamantan-1-methanol derivatives, potent antibacterials. Synthesis antibacterial activity and lipophilicity studies.” *Eur. J. Med. Chem.* 31:105-110 (1996)
22. I Panderi, Ch. Angelopoulos, **A. Tsantili-Kakoulidou***, M. Kazanis, A. Vavayiannis “Lipophilicity Studies on β -blocker benzoxazinone derivatives” *Il Farmaco*, 52: 167-172 (1997)
23. F. Csizmadia, **A. Tsantili-Kakoulidou**, I. Panderi, F. Darvas, “Prediction of Distribution Coefficient from Structure: 1. Estimation Method” *J. Pharm. Sci.* 86: 865-871 (1997)
24. **A. Tsantili-Kakoulidou***, I. Panderi, F. Csizmadia, F. Darvas ‘Prediction of Distribution Coefficient from Structure: 2. Validation of PrologD’ *J. Pharm. Sci.* 86: 1173-1179 (1997)
25. **A. Tsantili-Kakoulidou***, S. Piperaki, I. Panderi, F. Csizmadia, F. Darvas “Prediction of Distribution Coefficients from Structure. The influence of ion pair formation as reflected in experimental and calculated values” *Quant. Struct.-Act.-Relat.* 16: 315-316 (1997)
26. S. Papakonstantinou-Garoufalias, P. Marakos, **A. Tsantili-Kakoulidou**, Ai. Chytyroglou-Ladas “Synthesis, Lipophilicity and Antibacterial and Antifungal properties of some 5-aryl-1,2,4-triazol-3-yl-ethylbenzaldoximes and 5-aryl-1,3,4-oxadiazol-2-yl-ethyl benzald oximes” *Die Pharmazie*, 53: 300-302 (1998)
27. S. Papakonstantinou-Garoufalias, E. Filippatos, O. Todoulou, **A. Tsantili-Kakoulidou**, A. Papadaki-Valiraki, E. De Clercq, Ai. Lada-Chytiroglou, “Synthesis, Lipophilicity and Biological Properties of some novel 1H-1,2,4 triazole Derivatives” *Il Farmaco*, 52: 707-710 (1997)
28. Varvaressou, Th. Siatra-Papastaikoudi, A. Tsotinis, **A. Tsantili-Kakoulidou**, A. Vamvakides “Synthesis, Lipophilicity and Biological Evaluation of Indole containing Derivatives of 1,3,4-Thiadiazole and 1,2,4-Triazole”. *Il Farmaco*, 53: 320-326 (1998)
29. F. Herve, G. Caron, J.-C. Duche, P. Gaillard, N.A. Rahman, **A. Tsantili-Kakoulidou**, P.-A. Carrupt, P. D’Athis, J.-P. Tilleman, B. Testa, “Ligand specificity of the genetic variants of human alpha-1-acid glycoprotein.

- Generation of a 3D-QSAR model for drug binding to the A variant'. *Mol. Pharm.* 54: 129-138 (1998)
30. **A. Tsantili-Kakoulidou***, S.Piperaki, I. Panderi, F.Csizmadia, F. Darvas, "Prediction of Distribution Coefficients from Structure: Comparison of calculated and experimental data for various drugs, *Eur.J Drug Metab. Pharmacokin.* 24: 205-212 (1999)
31. V. Lambroussi, S. Piperaki, **A. Tsantili-Kakoulidou***, "Formation of inclusion complexes between cyclodextrins as mobile phase additives in RPTLC and Fluoxetine, Norfluoxetine and Promethazine." *JPC J. Planar Chromatogr.* 12: 124-128 (1999)
32. **A Tsantili-Kakoulidou ***, A Varvaressou, Th. Siatra-Papastaikoudi, O. Raevsky, A comprehensive investigation of the partitioning and hydrogen bonding behavior of Indole containing derivatives of 1,3,4-thiadiazole and 1,2,4-triazole by means of experimental and calculative approaches' *Quant.Struct.-Act. Relat.* 18: 482-489 (1999)
33. A. Varvaressou, Th. Siatra-Papastaikoudi, **A. Tsantili-Kakoulidou**, E. Tyligada 'Synthesis and Biological Evaluation of Indole containing Derivatives of Thiosemicarbazide and their cyclic 1,2,4-Triazol and 1,3,4 Thiadiazol Analogs' *Arzaimittelforschung* 50: 48-54 (2000)
34. I.Andreadou, **A.Tsantili-Kakoulidou***, Th.Siatra-Papastaikoudi, "Significant Antioxidant Properties of Indole Containing Derivatives of Thiosemicarbazide and their Cyclic 1,2,4-Triazole Analogs" *Res. Comm. Biochem. Cell Mol. Path.*, 4: 269- 276 (2001).
35. M. Gana, I.Panderi, M. Parissi-Poulou, **A. Tsantili-Kakoulidou***, 'Kinetics of the acidic and enzymatic hydrolysis of benazepril hydrochloride studied by high performance liquid chromatography' *J.Pharm. Biomed. Anal.* 27:107-116 (2002)
36. I. Andreadou, A. Tasouli, E. Bofilis, M. Chrysselis, E. A. Rekka, **A. Tsantili-Kakoulidou***, E. Iliodromitis, Th. Siatra and D. Kremastinos "Antioxidant activity of novel indole derivatives and protection of the myocardial damage in rabbits" *Chem.Pharm.Bul.* 50: 165-168 (2002)
37. V. Karalis, **A. Tsantili-Kakoulidou**, P. Macheras, Multivariate Statistics of Disposition Pharmacokinetic Parameters for structurally unrelated drugs used in Therapeutics, *Pharm. Research*, 12: 1827-1834 (2002)

38. I. Andreadou A. Papalois, Iliodromitis **A. Tsantili-Kakoulidou**, Th Siatra, Reduction of myocardial infarct size in rabbits by a novel indole derivative with antioxidant and free radical scavenging properties *Eur.J.Pharmacol.* 453: 271-277 (2002)
39. C. Pistos, **A. Tsantili-Kakoulidou**, 'The lipophilic behaviour of ampholytes' *Pharmakeftiki*, 15: 45-54 (2002)
40. C. Pistos, **A. Tsantili-Kakoulidou***, M. Koupparis, The effect of ion pairing reagents in the retention profile of zwitterionic cephalosporins, *J.Liqu. Chromatogr.* 26: 937-952 (2003)
41. V. Evagelou, **A. Tsantili-Kakoulidou***, M. Koupparis, Determination of the dissociation constants of the cephalosporins cefepime and ceftiofime using UV-spectrometry and pH-potentiometry *J.Pharm.Biomed. Anal.* 31: 1119-1128 (2003)
42. Vrakas, **A. Tsantili-Kakoulidou***, D.Hadjipavlou-Litina 'Exploring the consistency of logP estimation for substituted coumarins', *Quant.Struct. - Act. Relat.* 22: 622-629 (2003)
43. V. Karalis., **A. Tsantili-Kakoulidou**, P. Macheras, Quantitative Structure-Pharmacokinetic Relationships for disposition parameters of cephalosporins, *Eur. J. Pharm. Sci.* 20: 115-23 (2003)
44. Andreadou, **A. Tsantili-Kakoulidou**, E. Spyropoulou, Th. Siatra, Reactions of Indole Derivatives with Cardioprotective Activity with Reactive Oxygen Species. Comparison with Melatonin. *Chem.Pharm.Bul.* 51: 1128-31 (2003)
45. Bertoša, B.Kojić-Prodić, R. C. Wade, M. Ramek, S. Piperaki, **A. Tsantili-Kakoulidou** and S. Tomić, 'A new Approach to predict the Biological Activity of Molecules based on Similarity of their Interaction Fields and the logP and logD values: Application to Auxins' *J. Chem. Inf. Comput. Sci.* 43: 1532-1541 (2003) (Μετονομάστηκε σε *J.Chem.Inf.Model.*)
46. I. Andreadou, E. K. Iliodromitis, E. Mikros, E. Bofilis, A. Zoga, M. Constantinou, **A. Tsantili-Kakoulidou**, D. Th. Kremastinos, 'Melatonin does not prevent the protection of ischemic pre-conditioning in vivo despite its antioxidant effect against oxidative stress', *Free Rad Biol. Med.*, 15: 500-510 (2004)

47. Vrakas, D. Hadjipavlou-Litina, **A. Tsantili-Kakoulidou***, Analysis of the Interaction of substituted Coumarins with the DPPH Free Radical by means of Multivariate Statistics, *J. Pharm. Pharmacol.* 56:, 1191-94 (2004)
48. **A. Tsantili-Kakoulidou***, Assessment of lipophilicity by reversed phase Chromatography, *On line Encyclopedia of Chromatography*, 2004
49. D. Vrakas, **A. Tsantili-Kakoulidou**, 'Lipophilicity in Drug Design: The state of the art 40 years after the introduction of the hydrophobic substituent constant', *Pharmakeftiki* 17: 83-88, 2004
50. F. Tsopelas, M. Ochsenkuhn Petropoulou, **A. Tsantili-Kakoulidou**, 'Study of the lipophilicity of selenium species', *Anal. Bioanal. Chem. (ABC)*, 381: 420-426 (2005)
51. D. Vrakas, I. Panderi, D. Hadjipavlou-Litina, **A. Tsantili-Kakoulidou***, Investigation of the relationships between logP and various chromatographic indices for a series of substituted coumarins. Evaluation of their similarity /dissimilarity using multivariate statistics. *Quant. Struct -Act. Relat.* 24: 254-269 (2005)
52. C. Pistos, **A. Tsantili-Kakoulidou***, M. Koupparis Investigation of the retention/pH profile of zwitterionic fluoroquinolones by means of Reversed Phase and Ion-Pair High Performance Liquid Chromatography, *J. Pharm. Biomed. Anal.* 39: 438-43 (2005)
53. M. A. Constantinou, E. Papakonstantinou, M. Spraul, S. Sevastiadou, Ch. Costalos, M. A. Koupparis, K. Shulpis, **A. Tsantili-Kakoulidou****, E. Mikros*, H NMR-based metabonomics for the diagnosis of inborn errors of metabolism in urine, *Anal. Chim. Acta*, 542: 169-177 (2005)
54. D. Vrakas, D. Hadjipavlou-Litina, **A. Tsantili-Kakoulidou***, Retention of substituted coumarins using Immobilized Artificial Membrane (IAM) Chromatography: A comparative study with n-Octanol Partitioning and Reversed-Phase HPLC and TLC, *J. Pharm. Biomed. Anal.* 39: 908-913 (2005)
55. **A. Tsantili-Kakoulidou***, I. Nicolaou, D. Vrakas and V. J. Demopoulos, Modelling of Aldose Reductase Inhibitory Activity of Pyrrol-1-yl-acetic Acid Derivatives by Means of Multivariate Statistics, *Medicinal Chemistry*, 4: 321-326 (2005)
56. I. Andreadou, E.K. Iliodromitis, E. Mikros, M. Constantinou, A. Agalias, P. Magiatis, A.L. Skaltsounis, E. Kamber, **A. Tsantili-Kakoulidou**, D. Kremastinos

- D.T The olive constituent oleuropein exhibits anti-ischemic, antioxidative, and hypolipidemic effects in anesthetized rabbits *J. Nutr.* 136: 2213-2219 (2006)
57. S.-A. Koufopoulou, C. Pistos, C. Giaginis, **A. Tsantili-Kakoulidou***, Application of the ion pair concept to the n-octanol-water partitioning of the zwitterionic cephalosporins, cefepime and ceftiofime, *Int. J. Pharm.* 316:, 52-57 (2006)
58. C. Giaginis, D. Dellis, **A. Tsantili-Kakoulidou***, Effect of the mobile phase aqueous component on RP-TLC retention and its inference on lipophilicity determination for a series of structurally diverse drugs. *JPC-J. Planar Chromatogr.* 19: 151-156 (2006)
59. C. Giaginis, S. Theocharis, **A. Tsantili-Kakoulidou***, 'Contribution to the standardization of the chromatographic conditions for the lipophilicity assessment of neutral and basic drugs' *Anal. Chim. Acta* 573: 311-318, (2006)
60. D. Vrakas, C. Giaginis, **A. Tsantili-Kakoulidou*** 'Different retention behavior of Structurally Diverse Basic and Neutral Drugs in Immobilized Artificial Membrane (IAM) and Reversed-Phase HPLC. Comparison with octanol- water partitioning. *J. Chromatogr.A* 1116: 158-164 (2006)
61. M.A. Constantinou, M. Vertzoni, Ch. Reppas, **A. Tsantili-Kakoulidou***, E. Mikros*, ¹H NMR monitoring of the canine metabolic profile after oral administration of xenobiotics using multivariate statistics, *Mol. Pharmaceutis.* 4: 258-68 (2007)
62. M. A. Constantinou, **A. Tsantili-Kakoulidou***, I. Andreadou, E. K. Iliodromitis, D. T. Kremastinos, E. Mikros*, Application of NMR-based metabonomics in the investigation of myocardial ischemia-reperfusion, ischemic preconditioning and antioxidant intervention in rabbits. *Eur.J. Pharm. Sci.* 30: 303-314 (2007)
63. C. Giaginis, **A. Tsantili-Kakoulidou** and S.Theocharis, Peroxisome Proliferator-Activated Receptor- γ (PPAR- γ) ligands as bone turnover modulators, *Expert Opin. Investig. Drugs* 16: 195-207 (2007)
64. F. Tsopelas, **A. Tsantili-Kakoulidou**, M. Th. Ochsenkühn-Petropoulou, Investigation of the chromatographic behaviour of some selenium species – Comparison with their octanol-water partitioning. *Talanta*, 73:127-133 (2007)
65. D. Dellis, C. Giaginis, **A. Tsantili-Kakoulidou*** Physicochemical profile of Nimesulide. Exploring the interplay of lipophilicity, solubility and ionization. *J.Pharm. Biomed. Anal.* 44: 57-62 (2007)

66. C. Giaginis, **A. Tsantili-Kakoulidou** and S. Theocharis, Peroxisome Proliferator-Activated Receptors (PPARs) in the control of bone metabolism, *Fund. Clin. Pharm.* 21:231-244 (2007)
67. C. Giaginis, S. Theocharis and **A. Tsantili-Kakoulidou***, A consideration of PPAR- γ ligands in respect to lipophilicity: Current trends and perspectives. *Expert Opin. Investig. Drugs* 16: 413-417 (2007)
68. C. Giaginis, S. Theocharis and **A. Tsantili-Kakoulidou***, Investigation of the lipophilic behaviour of some Thiazolidinediones. Relationships with PPAR γ activity. *J. Chromatogr. B*, 857:,181-187 (2007)
69. C. Giaginis, S. Theocharis and **A. Tsantili-Kakoulidou***, Octanol/water partitioning simulation by reversed phase HPLC for structurally diverse acidic drugs: Effect of octanol as mobile phase additive, *J. Chromatogr. A*, 1166: 116-125 (2007)
70. D. Vrakas, **A. Tsantili-Kakoulidou***, 'Immobilized Artificial Membrane Chromatography (IAM). An Alternative approach for the estimation of (Phospho)lipophilicity and the simulation of biological processes' *Pharmakeftiki*, 20: 83-97, 2007
71. C. Giaginis, **A. Tsantili-Kakoulidou***, The current state of the art in HPLC methodology for lipophilicity assessment of basic drugs. A review, *J. Liq. Chromatogr.* 31: 79-96 (2008)
72. C. Giaginis, **A. Tsantili-Kakoulidou***, Alternative measures of lipophilicity. From octanol-water partitioning to IAM retention, *J. Pharm. Sci.* 97: 2984-3004 (2008)
73. D. Vrakas, C. Giaginis, **A. Tsantili-Kakoulidou*** Electrostatic interactions and ionization effect in IAM retention. A comparative study with octanol- water partitioning, *J. Chromatogr. A* 1187: 67-78 (2008)
74. C. Giaginis, **A. Tsantili-Kakoulidou**, S. Theocharis, Peroxisome Proliferator-Activated Receptor- γ Ligands: Potential Pharmacological Agents for Targeting the Angiogenesis Signaling Cascade in Cancer, *PPAR Research ID* 431763 (2008)
75. S. Gikas, F. Tsopelas, C. Giaginis, J. Dimitrakopoulos, Th. Livadara, H. Archontaki, **A. Tsantili-Kakoulidou*** Chromatographic behavior of zwitterionic Enalapril. Exploring the conditions for lipophilicity assessment. *J. Pharm. Biomed. Anal.* 48: 739-743 (2008)

76. C. Giaginis, S. Theocharis and **A. Tsantili-Kakoulidou***, Application of multivariate data analysis for modeling receptor binding and gene transactivation of tyrosine-based PPAR- γ ligands, *Chem. Biol. Drug Des.* 72:257-64 (2008)
79. C. Giaginis, A. Zira, S. Theocharis, **A. Tsantili-Kakoulidou***, Simple physicochemical properties as effective filters for risk estimation of drug transport across the human placental barrier, *Rev. Clin. Pharmacol. Pharmacokin., Intern. Edition* 22:146-148 (2008)
80. C. Giaginis, A. Zira, S. Theocharis, **A. Tsantili-Kakoulidou*** Property distribution in the chemical space of PPAR- γ agonists: Evaluation of drug-like characteristics, *Rev. Clin. Pharmacol. Pharmacokin. Intern. Edition* 22: 366-368 (2008)
81. E. Bavavea, S.-I., Bibli., **A. Tsantili-Kakoulidou**, 'Nanomaterials: Fullerenes and carbon nanotubes. Structure, physical and chemical properties-biological and therapeutic applications' *Pharmakeftiki* 21: 10-21 (2008)
82. **A. Tsantili-Kakoulidou**, 'QSAR: A valuable tool in drug design or a computer game? A dialectic view' *Pharmakeftiki*, 21: 45-56 (2008)
83. A. Fragkaki, Y. Angelis, M. Koupparis, **A. Tsantili-Kakoulidou**, G. Kokotos, C. Georgakopoulos, The structural characteristics of anabolic androgenic steroids contributing to binding to the androgen receptor and to their anabolic and androgenic activities. Applied modifications in the steroidal structure, *Steroids*, 74:172-197 (2009)
82. M. Chrysanthakopoulos, A. Koletsou, I. Nicolaou, V. J. Demopoulos, **A. Tsantili-Kakoulidou*** Lipophilicity study of pyrrolyl-acetic acid derivatives, inhibitors of aldose reductase. Partitioning experiments versus predictions in relationships with biological activity, *QSAR and Comb. Sci.*, 28, 551-560 (2009)
83. Andreadou, M. Papaefthimiou, A. Zira, M. Constantinou, F. Sigala, A.-L. Skaltsounis, **A. Tsantili-Kakoulidou**, E. K. Iliodromitis, D. Th. Kremastinos, E. Mikros, Metabonomic identification of novel biomarkers in doxorubicin cardiotoxicity and protective effect of the natural antioxidant oleuropein. *NMR in Biomedicine*. 22, 585-592 (2009)

84. C. Koukoulitsa, **A. Tsantili-Kakoulidou**, Th. Mavromoustakos, I. Chinou, PLS Analysis for antibacterial Activity of natural coumarins using Volsurf descriptors, *QSAR and Comb. Sci.*, 28, 785-789 (2009)
85. C. Giaginis, **A. Tsantili-Kakoulidou*** Analysis of RP-TLC retention indices of structurally diverse basic and neutral drugs as surrogates of octanol-water distribution coefficients. Effect of buffer constituents and pH. *J. Planar Chromatogr.* 22, 217-224 (2009)
86. Fragkaki, Y. Angelis, **A. Tsantili-Kakoulidou**, M. Koupparis, C. Georgakopoulos Schemes of metabolic pattern of anabolic androgenic steroids in human urine, *J. Steroid Biochem. Mol. Biol.* 115, 44-61 (2009)
87. Giaginis, C., Theocharis, S., **A Tsantili-Kakoulidou,.*** A QSAR Study on Indole-based PPAR- γ Agonists with respect to Receptor Binding and Transactivation Data. *QSAR and Comb. Sci.*, 28, 802-805 (2009)
88. Giaginis, S. Theocharis A. Tsantili-Kakoulidou* Structural basis for the design of PPAR- γ ligands. A survey on Quantitative Structure- Activity Relationships, *Mini Rev. Med. Chem.* 9, 1075-1083 (2009)
89. A.G. Fragkaki, Y.S. Angelisa, A. Tsantili-Kakoulidou, M. Koupparis, C. Georgakopoulos, 'Statistical Analysis of Electron Ionization Mass Spectra of Enolized-Trimethylsilylated Anabolic Androgenic Steroids for the Estimation of Fragmentation Patterns of Designer Steroids', *Intern. J. Mass Spectrom.* 285, 58-69 (2009)
90. C. Giaginis, **A. Tsantili-Kakoulidou**, S. Theocharis, Quantitative structure-activity relationship (QSAR) methodology in forensic toxicology: Modeling postmortem redistribution of structurally diverse drugs using multivariate statistics, *Forensic Sci. Int.*, 190, 9-15 (2009)
91. C. Giaginis, A. Zira A, S. Theocharis, **A. Tsantili-Kakoulidou.**, Application of quantitative structure-activity relationships for modeling drug and chemical transport across the human placenta barrier: a multivariate data analysis approach. *J. Appl. Toxicol.* 29, 724-733 (2009)
92. A.G. Fragkaki, **A. Tsantili-Kakoulidou**, Y.S. Angelis, M. Koupparis, C. Georgakopoulos, 'Gas chromatographic quantitative structure-retention relationships of trimethylsilylated anabolic androgenic steroids by multiple linear regression and partial least squares', *J. Chromatogr. A.* 1216 8404-8420 (2009)

93. M. Chrysanthakopoulos, A. Koletsou, I. Nicolaou, V. J. Demopoulos, **A. Tsantili-Kakoulidou***, HPLC-based lipophilicity of pyrrolyl-acetic acid ARIs: Relationships with biological activity *J. Chromatogr. B* 878, 61-67 (2010)
94. F. Tsopelas, M. Ochsenkühn-Petropoulou, **A. Tsantili- Kakoulidou**, Void volume markers in biomimetic and reversed-phase liquid chromatography, *J. Chromatogr. A* 1217, 2847-2854 (2010)
95. Vonaparti, Lyris, Y.S. Angelis, I. Panderi, M. Koupparis, **A. Tsantili-Kakoulidou**, R.J.B. Peters, M.W.F. Nielen, C Georgakopoulos, Preventive doping control screening analysis of prohibited substances in human urine using rapid-resolution liquid chromatography/high-resolution time-of-flight mass spectrometry, *Rap. Comm. Mass Spectr.* 24, 1595-1609, 2010
96. F. Tsopelas, M. Ochsenkühn-Petropoulou, **A. Tsantili- Kakoulidou**, Biomimetic chromatographic analysis of selenium species. Application for the estimation of their pharmacokinetic properties, *Anal. Bioanal. Chem.* 397 :2171-2180 (2010)
97. F. Tsopelas E. Spyropoulou, I. Andreadou **A. Tsantili- Kakoulidou** Electrochemical study of some non steroidal anti-inflammatory drugs: Solvent effect and antioxidant activity, *J. Solid State Electrochemistry* in press
98. M. Chrysanthakopoulos, C Giaginis, **A. Tsantili-Kakoulidou**, Retention of structurally diverse drugs in human serum albumin chromatography and its potential to simulate plasma protein binding *J. Chromatogr. A* 1217. 5761-5768 (2010)
99. F. Tsopelas, **A. Tsantili- Kakoulidou**, M. Ochsenkühn-Petropoulou, Environmental distribution, biological role and toxicity of selenium species, *Pharmakeftiki*, 23, 16-32, 2010
100. C. Giaginis C, **A. Tsantili-Kakoulidou**, The performance of 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid as mobile phase additive in HPLC-based lipophilicity assessment. *Biomed Chromatogr.* 2010 Aug 25. [Epub ahead of print]

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