

CURRICULUM VITAE

PERSONAL DETAILS

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Date of Birth: 03/03/1958
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**Professor at the National and Kapodistrian University
of Athens - Department of Pharmacy - Section of
Pharmaceutical Chemistry**

EDUCATION

1984-1988 **Ph D in Synthetic Organic Chemistry.** University of London, U.K.
1979-1983 **BS major in Chemistry.** The University of North Carolina at Charlotte, U.S.A.
1976-1978 Advanced Technology Centre, Athens, Greece - Two "O" levels: Physics, English. Two "A" levels: Chemistry, Mathematics.
1970-1976 14th High School, Athens, Greece, High School Leaving Certificate.

SCHOLARSHIPS

1985-1986 Franz Sondheimer Bursary
Schilizzi Foundation Award
1986-1987 Franz Sondheimer Bursary
1994 NHRF/Royal Society Award
1995 NHRF/Royal Society Award

PROFESSIONAL AFFILIATIONS

Fellow of the Royal Society of Chemistry
Member, American Chemical Society.
Member, Association of Greek Chemists.
Secretary General, Chemists Division of Organic and Medicinal Chemistry of the Association of Greek Chemists.
Permanent member, Convocation of the University of London.

PUBLICATIONS

1] Peter J. Garratt and Andrew Tsotinis

"Alternative Syntheses and Diels-Alder Reactions of 2,3-Bis(trimethylsilyl)buta-1,3-Diene".
Tetrahedron Lett., **1986**, 27, 2761.

2] Peter J. Garratt and Andrew Tsotinis

"(Z,Z)-2,3-Bis(trimethylsilyl)-1,4-dibromo- and 2,3-Bis(trimethylsilyl)-1,1,4,4-tetrabromobuta-1,3-Dienes. Synthesis and Diels-Alder Reactions".
Tetrahedron Lett., **1988**, 29, 1833.

3] Andrew Tsotinis

"Synthetic studies on strained annelated cyclopropanes", Ph D Thesis, University of London (Supervisor: Prof. P. J. Garratt), **1988**, 338 pp.

4] Peter J. Garratt and Andrew Tsotinis

"Preparation and reactions of trimethylsilylcyclopropenes. Synthesis of in-out tricyclic[n.3.2.0^{2,4}] compounds, potential precursors to cyclopropaparacyclophanes".
J. Org. Chem., **1990**, 55, 84-88.

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- 8] Theodora Siatra-Papastaikoudi, **Andrew Tsotinis** Ioanna Chinou and Christos Roussakis "Synthesis and Anticancer Activity of Novel Phenyl-Ring Substituted 4-Morpholino-1-Phenylthio-2-Butanones [Mannich Bases]". *Il Farmako*, **1994**, 49(3), 221-223.
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- 10] T. Calogeropoulou, M. Koufaki, **A. Tsotinis**, J. Balzarini, E. De Clercq and A. Makriyannis "Synthesis and anti-HIV evaluation of alkyl and alkoxyethyl phosphodiester AZT derivatives". *Antiviral Chemistry and Chemotherapy*, **1995**, 6, 43-49.
- 11] P. J. Garratt, S. Travard, S. Vonhoff, **A. Tsotinis**, D. Sugden "Mapping the Melatonin Receptor. 4. Comparison of the Binding Affinities of a Series of substituted Phenylalkylamides". *J. Med. Chem.*, **1996**, 39, 1797-1805.
- 12] A. Varvaresou, **A. Tsotinis**, A. Papadaki-Valiraki and Th. Siatra-Papastaikoudi "New Azathioxanthenes: Synthesis and Cytotoxicity". *Bioorg. Med. Chem. Lett.* **1996**, 6, No.7, 861-864.
- 13] A. Varvaresou, **A. Tsotinis**, Th. Siatra-Papastaikoudi, A. Papadaki-Valiraki, D. E. Thurston, T. C. Jenkins and L. R. Kelland "Novel Imidazohioxanthenes: Synthesis, DNA Binding and Cytotoxicity". *Bioorg. Med. Chem. Lett.* **1996**, 6, No.7, 865-870.
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- 20] A. Tsotinis**, A. Varvaresou, T. Calogeropoulou, Th. Siatra-Papastaikoudi and A. Tyligada "Synthesis and Antimicrobial Evaluation of Indole containing Derivatives of 1,3,4-Thiadiazole, 1,2,4-Triazole and their open-chain counterparts".
Arzneim.-Forsch./Drug Res. **1997**, 47 (I), 307-310.
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"Synthesis, Lipophilicity and Biological Evaluation of Indole containing Derivatives of 1,3,4-Thiadiazole and 1,2,4-Triazole".
Il Farmako, **1998**, 53, 320-326.
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"1-(2-Alkoxy-5-carboxyphenyl)- α,β -unsaturated ketones, their preparation and application in therapeutics".
PCT International Patent, **1999**, WO 99/54278.
- 23] Rüdiger Faust**, Peter J. Garratt, Rob Jones, Li-Kuan Yeh, **Andrew Tsotinis**, Maria Panoussopoulou, Theodora Calogeropoulou, Muy-Teck Teh, David Sugden.
"Mapping the Melatonin Receptor. 6. Melatonin Agonists and Antagonists Derived from 6*H*-Isoindolo[2,1- α]indoles, 5,6-Dihydroindolo[2,1- α]isoquinolines and 6,7-Dihydro-5*H*-benzo[*c*]azepino[2,1- α]indoles".
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Chem. Lett., **2001**, 3, 192-193.
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Il Farmako, **2001**, 56, 725-729..
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"A New Ring-Forming Methodology for the Synthesis of Bioactive Pyrroloquinoline Derivatives".
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"GABA_A modulating neurosteroids".
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Eur. J. Pharm. Sci., **2002**, 17, 139-143.
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Chem. Commun., **2003**, 382-383.

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J. Med. Chem., **2003**, 46, 755-767.
- 35]** **A. Tsotinis**, M. Panoussopoulou, K. Hough, D. Sugden
 "Synthesis and biological evaluation of new β,β' -disubstituted 6,7,8,9-tetrahydropyrido[1,2-*a*]indol-10-yl ethylamido melatonergic ligands".
Eur. J. Pharm. Sci., **2003**, 18, 297-304.
- 36]** **Andrew Tsotinis**, Margarita Vlachou, Konstantinos Kiakos, John A. Hartley, and David E. Thurston.
 "Design and Synthesis of Two Cytotoxic Analogs of the Novel Pyrrolo[1',2':1,2][1,4]diazepin[7,6-*b*]indol-5(6*H*)-one Nucleus".
Chem. Lett., **2003**, 32, 512-513.
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Lett. Drug Des. Discov., **2007**, 4, 87-91.
- 45]** **A. Tsotinis**, A. Eleutheriades, K. A. Hough, K. Davidson, D. Sugden
 "Design, synthesis and melatonergic potency of new *N*-acyl 8,9-dihydro-4-methoxy-7*H*-2-benzo[*de*]quinolinalkanamines".
Bioorg. Chem., **2007**, 35, 189-204.
- 46]** **A. Tsotinis**, M. Vlachou, D. P. Papahatjis, S. P. Nikas and D. Sugden
 "An efficient synthesis of simple β,β' -cyclobisalkylated melatonergic phenylalkylamides".
Lett. Org. Chem., **2007**, 4, 92-95.
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"Design, synthesis and melatoninergetic activity of new unsubstituted and β,β' -difunctionalised 2,3-dihydro-1*H*-pyrrolo[3,2,1-*ij*]quinolin-6-alkanamides". *Eur. J. Med. Chem.*, **2007**, 42, 1004-1013.

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 "Design and Synthesis of New N1 and C3-Substituted 4-Fluoroindolic Melatoninergetics". *Curr. Drug Discov. Technol.*, **2007**, 4, 198-207.

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 "Design, synthesis and trypanocidal activity of new aminoadamantane derivatives". *J. Med. Chem.*, **2008**, 51, 1496-1500.

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 "Design and Synthesis of Bioactive 1,2-Annulated Adamantane Derivatives".
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(Book of Abstracts **2022**)
- 48]** 20th Hellenic Symposium on Medicinal Chemistry (HSMC-20), April 3-5, 2025, Ioannina, Greece
- i. Angeliki-Sofia Foscolos, Maria Billia, Markos Orestis Georgiadis, Nuno Santarém, Anabela Cordeiro da Silva, Martin C. Taylor, John M. Kelly, Theodora Calogeropoulou, **Andrew Tsotinis**, Thomas Mavromoustakos and Ioannis P. Papanastasiou,
Synthesis and evaluation of nitroheterocyclic aromatic adamantane amides with anti-trypanosomal activity,
- ii. Konstantina Stavropoulou, Angeliki Kaimaki, Maria Nikolaou, Ana K. Brown, **Andrew Tsotinis**, Martin C. Taylor, John M. Kelly and Ioannis P. Papanastasiou
New 1-(4-phenyl)adamantane and 1-(4-phenoxyphenyl)adamantane incorporating derivatives with activity against Trypanosoma brucei
(Book of Abstracts **2025**)
- 49]** CA21111. One Health drugs against parasitic vector-borne diseases in Europe and beyond, Antwerp conference, June 4-6, 2025, Antwerp, Belgium
- Angeliki-Sofia Foscolos, Konstantina Stavropoulou, Nuno Santarém, Anabela Cordeiro da Silva, Martin C. Taylor, John M. Kelly, Susan Wyllie, Theodora Calogeropoulou, **Andrew Tsotinis** and Ioannis P. Papanastasiou
Synthesis and Evaluation of Nitroheterocyclic Aromatic Adamantanohydrazones with Trypanocidal Activity. Part III
(Book of Abstracts **2025**)
- 50]** EPMC-ASMC 2025, August 31-September 4, 2025, Porto, Portugal
- Angeliki-Sofia Foscolos, Maria Billia, Markos-Orestis Georgiadis, Nuno Santarém, Anabela Cordeiro da Silva, Martin C. Taylor, John M. Kelly, Theodora Calogeropoulou, **Andrew Tsotinis**, Thomas Mavromoustakos and Ioannis P. Papanastasiou
Synthesis and Evaluation of Nitroheterocyclic Aromatic Adamantane Amides with Trypanocidal Activity
(Book of Abstracts **2025**)

WORK EXPERIENCE AND POSTGRADUATE TRAINING

2009-	University of Athens, Faculty of Pharmacy: Professor of Pharmaceutical Chemistry
2003-2009	University of Athens, Faculty of Pharmacy: Associate Professor of Pharmaceutical Chemistry
1996-2003	University of Athens, Department of Pharmacy: Assistant Professor of Pharmaceutical Chemistry.
1993-1996	University of Athens, Department of Pharmacy: Lecturer of Pharmaceutical Chemistry

1992-1993	National Hellenic Research Foundation, Athens, GR., Institute of Organic and Pharmaceutical Chemistry: Research Associate.
1991-1992	VIOCHROM S.A., Aniline Dyestuff Industry, Athens-Greece., Research & Development Dept.
1990-1991	i) Southeastern College, Athens-Greece., Dept. of Natural Sciences and Mathematics. ii) School of Assistants in Medical Professions (Σ.Β.Ι.Ε.), Athens-Greece., Dept. of Chemistry.
1989-1990	University of Athens, Dept. of Pharmacy: Scientific Consultant
1987-1988	University College London, U.K: Honorary Research Assistant
1985-1987	University College London, U.K: Research Assistant

TEACHING

- Undergraduate level: Organic Chemistry I, Pharmaceutical Chemistry I, Drug Synthesis Practicals
- Postgraduate level: Application of the Retrosynthetic Methodology in the Preparation of Bioactive Compounds

SUPERVISION of PhD THESES and MSc DISSERTATIONS

- 24 PhD theses
- 39 MSc dissertations

MSc PROGRAMME DIRECTORATE

2022-2024 Director of the MSc Programme “Drug Design and Development”

PARTICIPATION IN DOMESTIC AND INTERNATIONAL COMPETITIVE RESEARCH PROGRAMMES

- Principal Investigator of 38 Competitive Research Programmes
- Co-responsibility in 19 Competitive Research Programmes

RESEARCH INTERESTS

- Development of new synthetic methods.
- Design and synthesis of organic molecules with pharmacological action [antineoplastic, antiviral, antibacterial, trypanocidal, antitubercular, and Central Nervous System (CNS)].
- Structural modification of bioactive natural products (e.g. melatonin) and their derivatives, aiming at the improvement of their pharmacological activity.