

NAME Ioannis K. Kostakis
DATE OF BIRTH 4-6-1974
PLACE OF BIRTH Choika-Souliou, Thesprotia, Greece
NATIONALITY Greek
MARITAL STATUS Unmarried
MILITARY SERVICE May 2003-May 2004.
PROFESSIONAL ADDRESS University of Athens, Department of Pharmacy, Division of Pharmaceutical Chemistry, Panepistimiopoli-Zografou 15771, Athens, Greece
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EDUCATION

- Post-Doc in Pharmaceutical Chemistry. Groupe de Chimie Pharmaceutique, Université de Rouen, UFR Medecine-Pharmacie, France. 2007.
- Post-Doc in Pharmaceutical Chemistry. Athens University, Greece. 2005-2007.
- PhD in Pharmaceutical Chemistry. Athens University, Greece, 2005. My thesis entitled "design, synthesis and cytotoxic activity evaluation study of some novel aminosubstituted xanthenones and fused structural analogues" dealt with the synthesis, identification and antiproliferative evaluation of some substituted xanthenones.
- MsC in Pharmaceutical Chemistry. Athens University, Greece, 2000. Thesis entitled "Design, synthesis and cytotoxic activity of some new aminosubstituted pyrano[3,2-f](1)benzopyrano[4,3,2-c,d]indazoles and (1)benzothiopyrano[4,3,2-c,d]pyrano[3,2-f]indazoles".
- B.S in Pharmacy. Department of Pharmacy, Athens University, Greece, 1998.
- High School Certificate. Loutraki High School, Greece, 1992.

PROFESSIONAL EXPERIENCE

- On April 2007 I was elected Lecturer of the University of Athens, Department of Pharmacy, Division of Pharmaceutical Chemistry.
- From Jan. 2004 to Jun. 2004 I served as a pharmacist in the Athens Military Hospital.

TEACHING EXPERIENCE

- From 2008 I teach the courses of "Heterocyclic Chemistry" and "Synthetic Medicinal Chemistry" to the graduate students of the Pharmacy Department Graduate School.
- From 2008 I teach the "Heterocyclic Chemistry" courses, to B.S students.
- From 2008 I teach the "Pharmaceutical Chemistry practical sessions" to the B.S 3rd year students.
- From Feb. 2001 to Jul. 2001 I worked as an instructor in Vocational Training Institute (SBIE) in the fields of pharmacology, cosmetics and anaesthesiology
- From 1999 I am involved with the teaching of B.S 3rd year students in the Pharmaceutical Chemistry practical sessions.

FOREIGN LANGUAGES

English

MONOGRAPHS

1. "Design, synthesis and cytotoxic activity evaluation study of some novel aminosubstituted xanthenones and fused structural analogues". PhD thesis, Athens, 2005.

2. "Design, synthesis and cytotoxic activity of some new aminosubstituted pyrano[3,2-*f*](1)benzopyrano[4,3,2-*c,d*]indazoles and (1)benzothiopyrano[4,3,2-*c,d*]pyrano[3,2-*f*]indazole" MsC thesis, Athens, 2000.

PUBLICATIONS

1. [Synthesis and cytotoxic activity of 2-dialkylaminoethylamino substituted xanthenone and thioxanthenone derivatives](#). I. Kostakis, K. Ghirtis, N. Pouli, P. Marakos, A.-L. Skaltsounis, S. Leonce, D. H. Caignard, G. Atassi. *Farmaco*, (2000), 55, 455-460.
2. [Synthesis, Cytotoxic Activity, NMR Study and Stereochemical Effects of Some New Pyrano\[3,2-*b*\]thioxanthen-6-ones and Pyrano\[2,3-*c*\]thioxanthen-7-ones](#). I.K. Kostakis, N. Pouli, P. Marakos, E. Mikros, A.-L. Skaltsounis, S. Leonce, G. Atassi, P. Renard. *Bioorg. Med. Chem.*, (2001) 9, 2793-2802.
3. Design, synthesis and antiproliferative activity of some new pyrazole fused aminoderivatives of the pyranoxanthenone, pyranothioxanthenone and pyranoacridone ring systems: a new class of cytotoxic agents. I. K. Kostakis, P. Magiatis, N. Pouli, P. Marakos, A.-L. Skaltsounis, H. Pratsinis, S. Leonce, A. Pierre. *J. Med. Chem.*, (2002) 45, 2599-2609.
<http://dx.doi.org/10.1021/jm011117g>
4. [Design and synthesis of some new pyranoxanthenone aminoderivatives with cytotoxic activity](#). G. Kolokythas, I. K. Kostakis, N. Pouli, P. Marakos, A.-L. Skaltsounis, H. Pratsinis. *Bioorg. Med. Chem. Lett.*, (2002) 12, 1443-1446.
5. Synthesis and cytotoxic activity of some new azapyranoxanthenone aminoderivatives. G. Kolokythas, I. K. Kostakis, N. Pouli, P. Marakos, D. Kletsas, H. Pratsinis. *Bioorg. Med. Chem.*, (2003), 11, 4591-4598.
[http://dx.doi.org/10.1016/S0968-0896\(03\)00503-0](http://dx.doi.org/10.1016/S0968-0896(03)00503-0)
6. Design, Synthesis and Antiproliferative Activity of Some Novel Aminosubstituted Xanthenones, Able to Overcome Multidrug Resistance Towards MES-SA/Dx5 Cells. I. K. Kostakis, R. Tenta, N. Pouli, P. Marakos, A.-L. Skaltsounis, H. Pratsinis, D. Kletsas. *Bioorg. Med. Chem.Lett.*, (2005), 15, 5057-5060.
[doi:10.1016/j.bmcl.2005.07.079](https://doi.org/10.1016/j.bmcl.2005.07.079)
7. Design and Synthesis of Novel Amino Substituted Xanthenones and Benzo[*b*]xanthenones: Evaluation of their Antiproliferative Activity and their Ability to Overcome Multidrug Resistance Toward MES-SA/Dx5 Cells. I.K. Kostakis, N. Pouli, P. Marakos, A.-L. Skaltsounis, H. Pratsinis, D. Kletsas *Bioorg. Med. Chem.*, (2006), 14, 2910-2934.
<http://dx.doi.org/10.1016/j.bmc.2005.12.003>
8. 1-Ethyl-1*H*-3-nitrobenzopyrane[4,3,2-*cd*]isoindole: A novel heterocyclic ring system bearing an unusually labile deuterium-exchangeable aromatic proton. C. Hadjipavlou, I. K. Kostakis, N. Pouli, P. Marakos, E. Mikros. *Tetrahedron Lett.* (2006), 47, 3681-3684.
<http://dx.doi.org/10.1016/j.tetlet.2006.03.010>
9. Synthesis and Antiproliferative Activity of Substituted Benzopyranoisoindoles: A New Class of Cytotoxic Compounds. C. Hadjipavlou, I. K. Kostakis, N. Pouli, P. Marakos, H. Pratsinis, D. Kletsas *Bioorg. Med. Chem.Lett.*, (2006), 16, 4822-4825.
<http://dx.doi.org/10.1016/j.bmcl.2006.06.074>

10. [Antiproliferative and proapoptotic activities of pyranoxanthenones, pyranothioxanthenones and their pyrazole-fused derivatives in HL-60 cells.](#) E.M. Perchellet, M.M. Ward, A.-L. Skaltsounis, I.K. Kostakis, N. Pouli, P. Marakos, J.P. Perchellet, *Anticancer Res.* (2006) **26**, 2791-2804.
11. Design and Synthesis of New Pyranoxanthenones Bearing a Nitro Group or an Aminosubstituted Side-Chain on the Pyran Ring. Evaluation of their Growth Inhibitory Activity in Breast Cancer Cells. G. Kolokythas, I. K. Kostakis, N. Pouli, P. Marakos, O. Ch. Kousidou, G. N. Tzanakakis, N. K. Karamanos *Eur. J. Med. Chem.* (2007) **42**, 307-319.
<http://dx.doi.org/10.1016/j.ejmech.2006.10.018>
12. Design, Synthesis and Evaluation of the Antiproliferative Activity of a Series of Novel Fused Xanthenone Aminoderivatives in Human Breast Cancer Cells. V. Giannouli, I. K. Kostakis, N. Pouli, P. Marakos, O. Ch. Kousidou, G. N. Tzanakakis, N. K. Karamanos *J. Med. Chem.* (2007) **50**, 1716-1719.
<http://dx.doi.org/10.1021/jm061410m>
13. Rapid Synthesis of 2,3-disubstituted-quinazolin-4-ones enhanced by microwave-assisted decomposition of formamide. I. K. Kostakis, A. Elomri, E. Seguin, M. Iannelli, T. Besson. *Tet. Lett.*, (2007), **48**, 6609-6613.

[doi:10.1016/j.tetlet.2007.07.114](https://doi.org/10.1016/j.tetlet.2007.07.114)
14. Synthesis and free radical scavenging activity of some new spiropyranocoumarins. V. Panteleon, I. K. Kostakis, P. Marakos, N. Pouli, I. Andreadou. *Bioorg. Med. Chem. Lett.*, (2008), **18**, 5781-5784.

<http://dx.doi.org/10.1016/j.bmcl.2008.09.065>
15. Decomposition of formamide assisted by microwaves, a tool for synthesis of nitrogen-containing heterocycles. I. Noura, I. K. Kostakis, C. Dubouilh, E. Chosson, M. Iannelli, T. Besson. *Tet. Lett.*, (2008), **49**, 7033-7036.

[doi:10.1016/j.tetlet.2008.09.135](https://doi.org/10.1016/j.tetlet.2008.09.135)
16. Design, Synthesis and Cell Growth Inhibitory Activity of a Series of Novel Aminosubstituted Xantheno[1,2-*d*]imidazoles in Breast Cancer Cells. I. K. Kostakis, N. Pouli, P. Marakos, O. Ch. Kousidou, A. Roussidis, G. N. Tzanakakis, N. K. Karamanos. *Bioorg. Med. Chem.*, (2008), **16**, 3445-3455.

<http://dx.doi.org/10.1016/j.bmc.2007.03.003>
17. [Synthesis of some new spiropyranquinolines and evaluation of their free radical scavenging activity.](#) V. Panteleon, I. K. Kostakis, P. Marakos, N. Pouli, I. Andreadou. *Chem. Pharm. Bull.*, (2009), **57**, 446-452.

SYMPOSIA PRESENTATIONS

Design, synthesis and cytotoxic activity of some new pyranoxanthe and pyranothioxanthe derivatives.

C. Ghirtis, I.K.Kostakis, N. Pouli, P. Marakos, A.-L. Skaltsounis, S. Leonce, A. Pierre, G. Atassi.

XVth EFMC International Symposium on Medicinal Chemistry, Edinburg, (1998).

Design, synthesis and cytotoxic activity of some pyranothioxanthe derivatives.

I.K.Kostakis, N. Pouli, P. Marakos, A.-L. Skaltsounis, S. Leonce, A. Pierre, Gh. Atassi.

AIMCS'99. International Medicinal Chemistry Symposium. Beijing, China, (1999).

- Synthesis, conformational analysis and cytotoxic activity of some new pyrano[3,2-b]thioxanthen-6-ones and pyrano[3,2-c]thioxanthen-6-ones.
Kostakis, I.K.; Pouli, N.; Marakos, P.; Mikros, E.; Skaltsounis, A.L.; Leonce, S.; Atassi, Gh.; Renard, P.
XVIth International Symposium on Medicinal Chemistry, Bologna, Italy, (2000).
- Design, Synthesis and Cytotoxic Activity of Some New Pyranothioxanthone Aminoderivatives.
I.K. Kostakis, N. Pouli, P. Marakos, A.-L. Skaltsounis, S. Leonce, A. Pierre, Gh. Atassi.
6th Conference in Advanced Medicinal Chemistry. Thessaloniki, (1999).
- Design Synthesis and Pharmacological Evaluation of Some Novel Aminosubstituted Benzoxanthenes.
I. K. Kostakis, R. Tenta, N. Pouli, P. Marakos, A.-L. Scaltsounis, H. Pratsinis, D. Kletsas
11th Panhellenic Pharmaceutical Conference, Athens, Greece, 2003.
- Design, Synthesis and Cytotoxic Activity Evaluation of Some New Aminosubstituted Azapyranoxanthenes.
G. Kolokythas, I. K. Kostakis, N. Pouli, P. Marakos, H. Pratsinis, D. Kletsas
11th Panhellenic Pharmaceutical Conference, Athens, Greece, 2003.
- Design, Synthesis and Cytotoxic Activity of Some Novel Aminosubstituted Isoindolo-Fused Xanthenes.
C. Hadjipavlou, I. K. Kostakis, N. Pouli, P. Marakos.
12th Panhellenic Pharmaceutical Conference, Athens, Greece, 2005.
- Design and Synthesis of some New Aminosubstituted, Imidazolo-Fused Xanthenes.
V. Giannouli, I. K. Kostakis, P. Marakos, N. Pouli.
12th Panhellenic Pharmaceutical Conference, Athens, Greece, 2005.
- Synthesis and Cytotoxic Activity of Some Novel Aminosubstituted Imidazoloxanthenes.
I. K. Kostakis, P. Marakos, N. Pouli.
12th Panhellenic Pharmaceutical Conference, Athens, Greece, 2005.
- Synthesis and Free Radical Scavenging Activity of Some New Spirocoumarins.
V. Panteleon, I. K. Kostakis, P. Marakos, N. Pouli, I. Andredou.
12th Panhellenic Symposium on Pharmaceutical Chemistry, Patras, Greece, 2006.