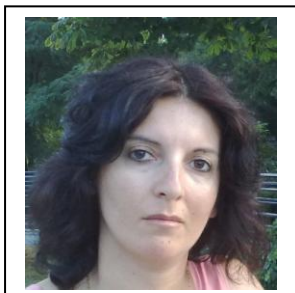


# Stamatia Vassiliou



Associate Professor

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SCOPUS: <https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=6603332768&zone=>

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## EDUCATION

1993 Bachelor/NKUA/ Chemistry

1996 PhD/ NKUA/ Synthesis, characterization, and enzymatic studies of metalloenzymes inhibitors

## RESEARCH FIELDS

1. Medicinal Chemistry (Drug Design and Discovery, Synthesis of Bioactive compounds)
2. Organic/Inorganic Chemistry (Organic Ligands Synthesis for Metal Complexation)
3. Organic Synthetic Chemistry (Synthetic Methodology)

## EDUCATIONAL EXPERIENCE

### UNDERGRADUATE COURSES

- Organic Chemistry/ mandatory/ Department of Biology
- Organic Chemistry III/ mandatory/ Department of Chemistry
- Practical Organic Chemistry II/mandatory/ Department of Chemistry
- Bioorganic Chemistry/ elective/ Department of Chemistry

### GRADUATE COURSES

- Lab of Organic Chemistry/ Department of Chemistry/ Organic Synthesis and Applications in Chemical Industry/ Medicinal Chemistry and Chemistry of Biomolecules

## REVIEWER OF SCIENTIFIC JOURNALS

Journal of Medicinal Chemistry

European Journal of Medicinal Chemistry

Journal of Enzyme Inhibition and Medicinal Chemistry

## PATENTS

Phosphinic pseudo-peptides that may be used as matrix zinc metalloprotease inhibitors. Dive V., Cuniase P., Rio M-C, Basset P., Yiotakis A., Beau F., Vassiliou S. US6630501, 2003 FR2788525, 2000

## ADDITIONAL INFORMATION

- Presentations at conferences: **22**
- Supervision of doctoral theses: **2**
- Supervision of graduate students: **10**
- Supervision of undergraduate students: **20**

- PI in....Research Programs
- Collaboration/Participation in 6 Research Programs
- Reviewer in Research Programs: 1

#### SELECTED PUBLICATIONS (link OF PUBLICATIONS)

1. Georgiou, N., Cheilari, A., Karta, D., Chontzopoulou, E., Plavec, J., Tzeli, D., Vassiliou, S., Mavromoustakos, T. Conformational Properties and Putative Bioactive Targets for Novel Thiosemicarbazone Derivatives. (2022) *Molecules*, 27 (14), art. no. 4548. DOI: 10.3390/molecules27144548
2. Georgiou, N., Katsogiannou, A., Skourtis, D., Iatrou, H., Tzeli, D., Vassiliou, S., Javornik, U., Plavec, J., Mavromoustakos, T. Article Conformational Properties of New Thiosemicarbazone and Thiocarbohydrazone Derivatives and Their Possible Targets. (2022) *Molecules*, 27 (8), art. no. 2537. DOI: 10.3390/molecules27082537
3. Vassiliou, S., Pagoni, A., Węglarz-Tomczak, E., Talma, M., Tabor, W., Grabowiecka, A., Berlicki, Ł., Mucha, A. Phosphinic acid-based enzyme inhibitors. (2022) *Phosphorus, Sulfur and Silicon and the Related Elements*, 197 (5-6), pp. 451-456. DOI: 10.1080/10426507.2021.2011882
4. Pagoni, A., Grabowiecka, A., Tabor, W., Mucha, A., Vassiliou, S., Berlicki, Ł. Covalent Inhibition of Bacterial Urease by Bifunctional Catechol-Based Phosphonates and Phosphinates (2021) *Journal of Medicinal Chemistry*, 64 (1), pp. 404-416 DOI: 10.1021/acs.jmedchem.0c01143
5. Georgiou, N., Gouleni, N., Chontzopoulou, E., Skoufas, G.S., Gkionis, A., Tzeli, D., Vassiliou, S., Mavromoustakos, T. Structure assignment, conformational properties and discovery of potential targets of the Ugi cinnamic adduct NGI25 (2021) *Journal of Biomolecular Structure and Dynamics* DOI: 10.1080/07391102.2021.2017356
6. Georgiou, N., Gkalpinos, V.K., Katsakos, S.D., Vassiliou, S., Tzakos, A.G., Mavromoustakos, T. Rational design and synthesis of  $\alpha$ 1r antagonists (2021) *Molecules*, 26 (10), art. no. 2927 DOI: 10.3390/molecules26102927
7. Pagoni, A., Marinelli, L., Di Stefano, A., Ciulla, M., Turkez, H., Mardinoglu, A., Vassiliou, S., Cacciatore, I. Novel anti-Alzheimer phenol-lipoyl hybrids: Synthesis, physico-chemical characterization, and biological evaluation (2020) *European Journal of Medicinal Chemistry*, 186, art. no. 111880 DOI: 10.1016/j.ejmech.2019.111880
8. Pagoni, A., Daliani, T., Macegoniuk, K., Vassiliou, S., Berlicki, Ł. Catechol-based inhibitors of bacterial urease (2019) *Bioorganic and Medicinal Chemistry Letters*, 29 (9), pp. 1085-1089 DOI: 10.1016/j.bmcl.2019.02.032
9. Ntatsopoulos, V., Macegoniuk, K., Mucha, A., Vassiliou, S., Berlicki, Ł. Structural exploration of cinnamate-based phosphonic acids as inhibitors of bacterial ureases (2018) *European Journal of Medicinal Chemistry*, 159, pp. 307-316 DOI: 10.1016/j.ejmech.2018.09.074
10. Pagoni, A., Vassiliou, S. A novel and efficient synthesis of 3,4-dihydroxyphenylacetic ester and amide derivatives/conjugates and assessment of their antioxidant activity (2018) *Natural Product Research*, 32 (11), pp. 1267-1273 DOI: 10.1080/14786419.2017.1342090