

# Curriculum Vitae

## PERSONAL DETAILS

---

<b>FULLNAME</b>	ALEKSANDER CANKO
<b>DATE OF BIRTH</b>	09.09.1993
<b>PLACE OF BIRTH</b>	ATHENS, GREECE
<b>NATIONALITY</b>	ALBANIAN, GREEK
<b>E – MAIL</b>	<a href="mailto:alexcanko1993@gmail.com">alexcanko1993@gmail.com</a>
<b>TELEPHONE</b>	+306978060431



## ACADEMIC STUDIES

---

- 09.2011 – 10.2015** B.Sc. in Chemistry, Department of Chemistry, University of Patras (grade: 7.21/10).
- 10.2015 – 10.2017** M.Sc. in Chemical Biology, Interdepartmental Postgraduate Program between the Departments of Chemistry, Pharmacy and Medicine, University of Patras (grade: 8.81/10).
- 03.2018 – Today** Ph.D. candidate in Organic Chemistry, Department of Food Science and Human Nutrition, Agricultural University of Athens.

## RESEARCH EXPERIENCE

---

- 06.2014 – 08.2014** Paid Internship as a research chemist at “RaD Pharma-Chemicals” pharmaceutical company synthesizing impurities of registered drugs
- 10.2014 – 07.2015** B.Sc. Research project on the “Synthesis of Inhibitors of DENV-NS3 Protease for the Treatment of Dengue Virus” in the research group of Assistant Prof. Gerasimos Rassias in collaboration with Singapore Duke-NUS Medical University.
- 10.2015 – 10.2017** M.Sc. Research project on “Synthesis of Novel Derivatives of Rivastigmine for the Treatment of Cognitive Disorders” in the research group of Assistant Prof. Gerasimos Rassias.
- 04.2021 – 0.6.2021** Two-month contract for the research project to "NCSR Demokritos" on "Synthesis, Purification and Identification of heterocyclic pyrazolopyridine, pyrazolopyrimidine and Cycloaliphatic Compounds, Aimed at the Synthesis Of Optimized Molecules-Liders With a Therapeutic Target at tumor protein MYC" in the research group of researcher Veroniki Vidali
- 04.2018 – Today** PhD candidate, research project on “Total synthesis of Natural Products, especially in the family of abyssomicins” in the research group of the researcher Veroniki Vidali

## PUBLICATIONS

---

- **An Improved Biomimetic Formal Synthesis of Abyssomicin C and atrop-Abyssomicin C.** Veroniki P. Vidali, **Aleksander Canko**, Angelos D. Peroulis, Evangelos T. Georgas, Emmanuel Bouzas, Julie M. Herniman and Elias A. Couladouros. *European Journal of Organic Chemistry*. (2020), DOI: [doi.org/10.1002/ejoc.202000671](https://doi.org/10.1002/ejoc.202000671)
- **Cell-active carbazole derivatives as inhibitors of the zika virus protease.** Gerasimos Rassias, Vasiliki Zogali, Crystall M.D. Swarbrick, Kitti Wing Ki Chan, Shu Ann Chan, Chin Piaw Gwee, Sai Wang, Entzy Kaplanai, **Aleksander Canko**, Dimitrios Kioussis, Julien Lescar, Dahai Luo, Minos-Timotheos Matsoukas, Subhash G. Vasudevan. *European Journal of Medicinal Chemistry*. (2019). DOI: <https://doi.org/10.1016/j.ejmech.2019.07.007>.
- **Synthesis and Biological Evaluation of Hydroxylated Monocarbonyl Curcumin Derivatives as Potential Inducers of Neprilysin Activity.** Dimitris Matiadis, See-Ting Ng, Eric H.-L. Chen, Georgia Nigianni, Veroniki P. Vidali, **Aleksander Canko**, Rita P.-Y. Chen, and Marina Sagnou. *Biomedicines*. 2021. DOI: <https://doi.org/10.3390/biomedicines9080955>

## SCHOLARSHIPS - AWARDS

---

- Three-year scholarship for PhD Candidates from State Scholarships Foundation (IKY) (14.4.2018- 14.4.2021)

## LANGUAGES

---

- Greek, mother tongue
- Albanian, mother tongue
- English, IELTS Academic (Grade 6.50)

## COMMUNICATIONAL SKILLS

---

- Team spirit
- Communicative

## TECHNICAL SKILLS

---

- Experience in modern and multi-step organic synthesis
- Efficiently working under pressure
- Able to record, interpret and archiving scientific data
- Competent in organizing and managing laboratory logistics
- Working experience with analytical characterization techniques such as NMR, HPLC and LC-MS
- Working experience with purification techniques such as preparative HPLC, Column Chromatography and recrystallisation
- Ability to work independently and in teams under tight deadlines
- Demonstration and supervision of organic chemistry laboratory techniques to organic chemistry undergraduate students and master degree students, in the Department of Chemistry and NCSR Demokritos .

## CONFERENCES

---

### POSTER PRESENTATION

- Vidali, V. P.; Peroulias, A.; **Canko, A.**; Bouzas, E. A.; Couladouros, E. A. "An Improved Synthetic Route to Abyssomicin C", 30th International Symposium on the Chemistry of Natural Products, 25-29 November 2018, Athens, Greece
- Vidali, V. P.; Peroulias, A.; **Canko, A.**; Bouzas, E.A.; Couladouros, E. A. "An Improved Formal Synthesis of Abyssomicin C", Athens Conference on Advances in Chemistry (ACAC 2018), October 30 – November 2, 2018, National and Kapodistrian, University of Athens (NKUA). Athens, Greece
- Vidali Veroniki P., **Canko Aleksander**, Peroulias Angelos D., Athanassopoulou Georgia D., Georgas Evangelos T., Bouzas Emmanuel, Couladouros Elias A. " Biomimetic synthesis of abyssomicin C and atrop-abyssomicin C. Improvements and perspectives", 18<sup>th</sup> Hellenic symposium on medicinal chemistry; 25-27 February 2021, Athens, Greece
- Vidali Veroniki P., Nigianni Georgia, Athanassopoulou Georgia D., **Canko Aleksander**, Mavroidi Varvara, Matiadis Dimitris, Pelecanou Maria ,Sagnou Marina. "Synthesis of novel pyrazolopyridines with affinity for  $\beta$ -amyloid plaques", 18<sup>th</sup> Hellenic symposium on medicinal chemistry; 25-27 February 2021, Athens, Greece

### ORAL PRESENTATION

- **A. Canko**, V. P. Vidali, A. Peroulias, E.A. Bouzas , E. A. Couladouros., "An Improved Synthetic Route to Abyssomicin C", XLIV " a. corbella " international summer school on organic synthesis , 9-13 June 2019, Universita degli Studi di Milano, Gargnano (BS), Italy

## SOFTWARE SKILLS

---

- Microsoft Office tool ( Word/Excel/Powerpoint)
- Reaxys και Sci-Finder
- ChemDraw
- MestReNova,
- TopSpin

## ADDITIONAL INFORMATION

---

- Driving licence: B (car)
- Interests: Music, Travelling, Cinema, Sports, History & Geography.

## REFERENCES

---

- Researcher in Organic Synthesis: Dr. Vidali Veroniki, NCSR Demokritos  
Telephone: 210 650 3654 / 3789, email: [v.vidali@inn.demokritos.gr](mailto:v.vidali@inn.demokritos.gr)  
Web Page: <https://inn.demokritos.gr/prosopiko/v.vidali/>
- Assistant Professor in Organic Chemistry: Dr. Rassias Gerasimos, University of Patras  
Telephone: +302610997912, email: [rassiasg@upnet.gr](mailto:rassiasg@upnet.gr), web page  
<http://www.chem.upatras.gr/faculty/rassias>
- Professor in Organic Chemistry: Dr. Couladouros Elias, Agricultural University of Athens  
Telephone: 2105294245, email: [ecoula@aua.gr](mailto:ecoula@aua.gr)  
Web Page: [http://fst.aua.gr/en/userpages\\_en/242](http://fst.aua.gr/en/userpages_en/242)