
Βιογραφικό Σημείωμα



ΠΡΟΣΩΠΙΚΕΣ ΠΛΗΡΟΦΟΡΙΕΣ	
Όνοματεπώνυμο	Μπάτσικα Χαρίκλεια
Ημερομηνία γέννησης	30 Σεπτεμβρίου 1995
Τόπος γέννησης	Βόλος, Ελλάδα
Διεύθυνση κατοικίας	Μαυροκορδάτου 64, Βόλος 38221, Ελλάδα
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ΕΚΠΑΙΔΕΥΣΗ

09.2020-03.2025	Διδακτορικό Δίπλωμα Ειδίκευσης , Εργαστήριο Οργανικής Χημείας, Τμήμα Χημείας, Εθνικό και Καποδιστριακό Πανεπιστήμιο Αθηνών.
10.2018-07.2020	Μεταπτυχιακό Δίπλωμα Ειδίκευσης «Οργανική Σύνθεση και Εφαρμογή στην Χημική Βιομηχανία» , Εργαστήριο Οργανικής Χημείας, Τμήμα Χημείας, Εθνικό και Καποδιστριακό Πανεπιστήμιο Αθηνών.
10.2013-02.2018	Πτυχίο Χημείας , Τμήμα Χημείας, Πανεπιστήμιο Ιωαννίνων.

ΕΡΓΑΣΙΑΚΗ ΕΜΠΕΙΡΙΑ

02.2024-07.2024	Laboratory Technician , Department of Chemistry, Biochemistry and Pharmaceutical Sciences, University of Bern
11.2024-12.2024	Laboratory Technician , Department of Chemistry, Biochemistry and Pharmaceutical Sciences, University of Bern

ΔΙΔΑΚΤΙΚΗ ΕΜΠΕΙΡΙΑ

- 10.2019-06.2020** Undergraduate organic chemistry laboratories co-supervising
- 02.2022-06.2022** Undergraduate organic chemistry laboratories co-supervising

ΔΗΜΟΣΙΕΥΣΕΙΣ

1. "Visible Light-Mediated Decarboxylative Giese Addition Utilizing Thioxanthone or Thioxanthone-TfOH Complex as the Photocatalyst, C. S. Batsika, N. A. Stini, C. G. Kokotos, *Chem. Eur. J.* **2025**, *31*, e202404483. DOI: [0.1002/chem.202404483](https://doi.org/10.1002/chem.202404483)
2. "Construction of a Library of Fatty Acid Esters of Hydroxy Fatty Acids", O. G. Mountanea, C. S. Batsika, C. Mantzourani, C. G. Kokotos, G. Kokotos, *Molecules*, **2025**, *30*, 286. DOI: <https://doi.org/10.3390/molecules30020286>
3. "Photochemical synthesis of lactones, cyclopropanes and ATRA products: Revealing the role of sodium ascorbate", Marie Rrapi, Charikleia S. Batsika, Nikolaos F. Nikitas, Nicholas D. C. Tappin, Ierasia Triandafillidi, Philippe Renaud, Christoforos G. Kokotos, *Chem. Eur. J.*, **2024**, *30*, e202400253. DOI: <https://doi.org/10.1002/chem.202400253>
4. "Visible-light-promoted reaction of *N*-hydroxyphthalimide esters with vinyl boronic pinacol ester", Petros Gkizis, Ierasia Triandafillidi, Naya A. Stini, Charikleia S. Batsika, Christoforos G. Kokotos*, *EurJOC*, **2023**, *26*, e202300152, DOI: [10.1002/ejoc.202300152](https://doi.org/10.1002/ejoc.202300152). DOI: <https://doi.org/10.1002/ejoc.202300152>
5. "Light-promoted oxidation of aldehydes to carboxylic acids under aerobic and photocatalyst-free conditions", Charikleia S. Batsika, Charalampos Koutsilieris, Giorgos S. Koutoulogenis, Maroula G. Kokotou, Christoforos G. Kokotos*, George Kokotos*, *Green Chemistry*, **2022**, *24*, 6224-6231, DOI: <https://doi.org/10.1039/D2GC02074B>
6. "Free fatty acid profiling of Greek yogurt by liquid chromatography-high resolution mass spectrometry (LC-HRMS) analysis", Christiana Mantzourani, Charikleia S. Batsika, Maroula G. Kokotou, George Kokotos*, *Food Res. Int.*, **2022**, *160*, 111751, DOI: <https://doi.org/10.1016/j.foodres.2022.111751>
7. "Lipidomics Analysis of Free Fatty Acids in Human Plasma of Healthy and Diabetic Subjects by Liquid Chromatography-High Resolution Mass Spectrometry (LC-HRMS)", Maroula G. Kokotou, Christiana Mantzourani, Charikleia S. Batsika, Olga G. Mountanea, Ioanna Eleftheriadou, Ourania Kosta, Nikolaos Tentolouris, George Kokotos*, *Biomedicines*, **2022**, *10*, 1189. DOI: <https://doi.org/10.3390/biomedicines10051189>
8. "A Unified Mechanism for the PhCOCOOH-mediated Photochemical Reactions: Revisiting its Action and Comparison to Known Photoinitiators", Nikoleta Spiliopoulou, Petros L. Gkizis, Ierasia Triandafillidi, Nikolaos F. Nikitas, Charikleia S. Batsika, Aikaterini Bisticha, Christoforos G. Kokotos*, *Chem. Eur. J.*, **2022**, *28*, e202200023. DOI: <https://doi.org/10.1002/chem.202200023>
9. "Saturated oxo fatty acids (SOFAs): A previously unrecognized class of endogenous bioactive lipids exhibiting a cell growth inhibitory activity", Charikleia S. Batsika, Christiana Mantzourani, Dimitrios Gkikas, Maroula G. Kokotou, Olga G. Mountanea, Christoforos G. Kokotos, Panagiotis K. Politis, George Kokotos*, *J. Med. Chem.*, **2021**, *64*, 5654-5666. DOI: <https://doi.org/10.1021/acs.jmedchem.0c02058>
10. "Free saturated oxo fatty acids (SOFAs) and ricinoleic acid in milk determined by a liquid chromatography-high-resolution mass spectrometry (LC-HRMS) method", Maroula G. Kokotou, Charikleia S. Batsika, Christiana Mantzourani, George Kokotos*, *Metabolites*, **2021**, *11*, 46. DOI: <https://doi.org/10.3390/metabo11010046>
11. "The design and discovery of phospholipase A2 inhibitors for the treatment of inflammatory diseases", Charikleia S. Batsika, Anna-Dimitra D. Gerogiannopoulou, Christiana Mantzourani, Sofia

ΣΥΝΕΔΡΙΑ

Poster σε Συνέδρια

1. *"Polyfluoromethyl-ketones as potent inhibitors against GVIA iPLA₂: synthesis & biological activity"*, Charikleia S. Batsika, Asimina Bourboula, Daiki Hayashi*, Edward A. Dennis, George Kokotos, 23rdPCC. 23rd Panhellenic Chemistry Conference, 25-28 September 2024, National and Kapodistrian University of Athens Central Building, Athens, Greece.
2. *"A "Green" Photo-induced Aerobic Oxidation of Aldehydes"*, Charikleia S. Batsika, Maroula G. Kokotou, Christoforos G. Kokotos* and George Kokotos*, ECC9. 9th EuChemS Chemistry Congress, 7-11 July 2024, The Convention Centre Dublin, Dublin, Ireland.
3. *"Photochemical Iodine Atom Transfer Radical Addition & Cyclization for the Synthesis of Organoboron Derivatives, Cyclopropanes and Cyclopentanes"*, Charikleia S. Batsika, Gaetano Geraci, Fabrice Dénès, Christoforos G. Kokotos*, Philippe Renaud*, Bern-SRC-1. 1st Bern Symposium on Radical Chemistry, 27-28 June 2024, Department of Chemistry, Biochemistry and Pharmaceutical Sciences of the University of Bern., Bern, Switzerland.
4. *"Photochemical Synthesis of Lactones: Revealing the Role of Sodium Ascorbate"*, Charikleia S. Batsika, Marie Rrapi, Ierasia Triandafillidi, Christoforos G. Kokotos*, ACC2023. 1st Aristotle Conference on Chemistry, 12-15 November 2023, Aristotle University's Research Dissemination Center (KEDEA), Thessaloniki, Greece.
5. *"Photochemical routes for the synthesis of 4-oxo-alcohols-1 and 4-oxo-amines-1"*, Charikleia S. Batsika, Eugenia M. Papadopoulou, Danaï Psathopoulou, Christiana Mantzourani, George Kokotos*, 2nd Symposium of Postgraduate Students of the Chemistry Department of the National and Kapodistrian University of Athens, 8-9 June 2023, Athens, Greece.
6. *"Sunlight or UVA-light-induced oxidation of aldehydes to carboxylic acids under aerobic conditions without the use of external photocatalyst"*, Charikleia S. Batsika, Charalampos Koutsilieris, Giorgos S. Koutoulogenis, Maroula G. Kokotou, Christoforos G. Kokotos*, George Kokotos*, 28th Croatian Meeting of Chemists and Chemical Engineers, 28-31 March 2023, Hotel Lone, Rovinj, Croatia.
7. *"Photochemical synthesis of 1,4-diols and lipidic analogs of busulfan and study of their antiproliferative activity"*, Charikleia S. Batsika, Danaï Psathopoulou, Christiana Mantzourani, Dimitrios Gkikas, Ierasia Triandafillidi, Christoforos G. Kokotos*, Panagiotis K. Politis, George Kokotos*, 19th Hellenic Symposium on Medicinal Chemistry, 9-11 March 2023, Patras, Greece.
8. *"Aerobic and Catalyst-free Oxidation of Aldehydes to Acids Promoted by Sunlight or UVA-light"*, Charikleia S. Batsika, Charalampos Koutsilieris, Giorgos S. Koutoulogenis, Maroula G. Kokotou, Christoforos G. Kokotos*, George Kokotos*, 9th IUPAC International Conference on Green Chemistry, 5-9 September 2022, Athens, Greece.
9. *"Thioesters as Type I Photoinitiators: Photophysical, Photochemical and Theoretical Study"*, Aristeia Pavlou, Charikleia Batsika, Michael G. Siskos*, Antonios K. Zarkadis*, Athens Conference on Advances in Chemistry (ACAC), 30 October-2 November 2018, Athens, Greece.

Ομιλίες σε Συνέδρια

1. *"Photochemical iodine atom transfer radical addition & cyclization for the synthesis of lactones, organoboron derivatives, cyclopropanes and cyclopentanes"*, Charikleia S. Batsika, Marie Rrapi,

Gaetano Geraci, Philippe Renaud*, Christoforos Kokotos*, 23rdPCC. 23rd Panhellenic Chemistry Conference, 25-28 September 2024, National and Kapodistrian University of Athens Central Building, Athens, Greece.

2. *“Green, aerobic, photochemical oxidation of aldehydes to the corresponding carboxylic acids without the use of any photocatalyst”*, Charikleia S. Batsika, Charalampos Koutsilieris, Giorgos S. Koutoulogenis, Maroula G. Kokotou, Christoforos G. Kokotos*, George Kokotos*, 2nd Conference on Climate Crisis, 10-11 April 2023, Athens, Greece.
3. *“Novel photochemical synthetic routes to saturated oxo fatty acids and study of their antiproliferative activity”*, Charikleia S. Batsika, Christiana Mantzourani, Dimitrios Gkikas, Ierasia Triandafillidi, Christoforos G. Kokotos, Panagiotis K. Politis, George Kokotos*, 19th Hellenic Symposium on Medicinal Chemistry, 9-11 March 2023, Conference and Cultural Center of the University of Patras.
4. *“Aerobic and Photocatalyst-free Oxidation of Aldehydes to Carboxylic Acids Promoted by Light”* Charikleia S. Batsika, Charalampos Koutsilieris, Giorgos S. Koutoulogenis, Maroula G. Kokotou, Christoforos G. Kokotos*, George Kokotos*, 2nd Athens Summer School on Organic Synthesis 2022, 7-9 July 2022, Athens, Greece.

Παρακολούθηση Συνεδρίων/Σεμιναρίων/Training Schools

1. 23rdPCC. 23rd Panhellenic Chemistry Conference, 25-28 September 2024, National and Kapodistrian University of Athens Central Building, Athens, Greece.
2. ECC9. 9th EuChemS Chemistry Congress, 7-11 July 2024, The Convention Centre Dublin, Dublin, Ireland.
3. Bern-SRC-1. 1st Bern Symposium on Radical Chemistry, 27-28 June 2024, Department of Chemistry, Biochemistry and Pharmaceutical Sciences of the University of Bern., Bern, Switzerland.
4. ACC2023. 1st Aristotle Conference on Chemistry 12-15 November 2023, Aristotle University's Research Dissemination Center (KEDEA), Thessaloniki, Greece.
5. 2nd Conference on Climate Crisis, 10-11 April 2023, Athens, Greece.
6. 28th Croatian Meeting of Chemists and Chemical Engineers, 28-31 March 2023, Hotel Lone, Rovinj, Croatia.
7. 19th Hellenic Symposium on Medicinal Chemistry, 9-11 March 2023, Patras, Greece.
8. GRETEC-“Green Techno School” 6.2.-10.2.2023, Graz University of Technology, Austria. This course is based upon work from COST Action, Green Chemical Engineering Network towards upscaling sustainable processes-CA18224-GREENERING, supported by COST (European Cooperation in Science and Technology).
9. Pharmaceutical Chemistry-Research Horizons and Dynamics in Greece, Association of Greek Chemists, 19 March 2022, Patras, Greece, Online.
10. 2nd Athens Summer School on Organic Synthesis ASSOS2022, 7-9 July 2022, Athens, Greece.
11. Athens Summer School on Organic Synthesis ASSOS2021 and International Young Investigator Workshop, 25-27 August 2021, Athens, Greece, Online.
12. Athens Conference on Advances in Chemistry (ACAC), 30 October - 2 November 2018, Athens, Greece.
13. 5th Conference of the Department of Chemistry, 29-30 September 2017, University of Ioannina, Conference Hall “Georgios Milonas”, Ioannina, Greece.

ΓΛΩΣΣΕΣ

Ελληνικά: Μητρική Γλώσσα

Αγγλικά: Certificate of Competency in English (ECCE), University of Michigan

Γαλλικά: Sorbonne C1, Université Paris-Sorbonne (Paris IV)