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Education

September 1999 - June 2003

Bachelor in Chemistry: National and Kapodistrian University of Athens, Greece, Graduated from the Department of Chemistry at the National and Kapodistrian University of Athens with the Grade of 8.02 on a 10-point scale.

October 2003 - January 2007

PhD in Organic Synthesis: University of Bristol, UK, Research Supervisor: Professor Varinder K. Aggarwal, Title: "Applications of Sulfur Ylides in Asymmetric Synthesis".

Professional Experience

January 2007 - September 2008

Postdoctoral Researcher: National and Kapodistrian University of Athens, Greece, Research Associate in the Department of Chemistry (Prof. George Kokotos).

October 2008 - October 2009

Postdoctoral Researcher: Princeton University, USA, Research Associate in the Department of Chemistry (Prof. David W. C. MacMillan).

November 2009 - November 2010

Military Service: Naval Base of Crete, Chania, Greece, Served my military service in Greek Navy providing Gas Free Certificates, allowing repairs in Battleships.

November 2010 - December 2013

Lecturer in Organic Chemistry (elected but not hired), **Postdoctoral Researcher:** National and Kapodistrian University of Athens, Greece, Laboratory of Organic Chemistry, Department of Chemistry. Working on the development of new methodologies mainly in organocatalysis within the Post-doctoral Research Grant, “*PEPCAT-Novel Organocatalysts Based on Peptides and Amino Acids and their Application in Asymmetric Organic Transformations*”.

January 2014 - March 2016

Lecturer in Organic Chemistry: National and Kapodistrian University of Athens, Greece, Laboratory of Organic Chemistry, Department of Chemistry.

March 2016 – August 2020

Assistant Professor in Organic Chemistry: National and Kapodistrian University of Athens, Greece, Laboratory of Organic Chemistry, Department of Chemistry.

August 2020 – till today

Associate Professor in Organic Chemistry: National and Kapodistrian University of Athens, Greece, Laboratory of Organic Chemistry, Department of Chemistry. Working on the development of new methodologies mainly in Organocatalysis and Photocatalysis and their applications in the synthesis of bioactive compounds.

Positions in National and International Committees

January 2017 - till present

Greek Representative in the Organic and Biomolecular Division of IUPAC.

January 2017 – July 2018

Member of the General Assembly of the Greek Institute of Research and Innovation.

December 2018 – January 2022

Greek Representative in the EuCheMS, Division of Organic Chemistry.

January 2020 - till present

Member of the Center of Excellence of the National and Kapodistrian University of Athens “Drug Design and Discovery”. The Centers of Excellence of the National and Kapodistrian University of Athens aim at coordinating the efforts of the university’s Research Teams, in research areas of outmost societal importance, towards attracting competitive funding and assisting/consulting the Greek state.

January 2020 – till present

Member of the Center of Excellence of the National and Kapodistrian University of Athens “Renewable Energy”. The Centers of Excellence of the National and Kapodistrian University of Athens aim at coordinating the efforts of the university’s Research Teams, in research areas of outmost societal importance, towards attracting competitive funding and assisting/consulting the Greek state.

January 2020 – till present

Member of the Center of Excellence of the National and Kapodistrian University of Athens “Natural Products”. The Centers of Excellence of the National and Kapodistrian University of Athens aim at coordinating the efforts of the university’s Research Teams, in research areas of outmost societal importance, towards attracting competitive funding and assisting/consulting the Greek state.

September 2020 – till present

Member of the Steering Committee of the Postgraduate Program “Catalysis and Applications in Industry” of the Chemistry Department of the National and Kapodistrian University of Athens.

December 2020 – till present

Member of Sectoral Scientific Council “Natural Sciences” of the National Council for Research, Technology and Innovation (representing Chemistry).

January 2021 – till present

Member of the International Advisory Board of European Journal of Organic Chemistry.

February 2023 – till present

Member of the International Advisory Board of Chemistry A European Journal.

Scholarships-Awards

- (1) "PAPADAKIS" four-year undergraduate studies scholarship (1999–2003), obtained after written examinations.
- (2) IKY (State Foundation of Scholarships), one-year scholarships for undergraduate students ranked in the top five of their year (2000, 2001, 2002, 2003).
- (3) MARI KAMARA award, awarded to the student that finished first in his year (2002-2003).
- (4) Industrial sponsorship (2003-2006), joint sponsorship from Avecia (MPhil Pharma), Syngenta, Johnson-Matthey and DTI.
- (5) Award for the best oral presentation in Syngenta Collaborative Research Conference 2006, Bracknell, UK, entitled "Applications of Sulfur Ylides in Organic Chemistry".
- (6) IKY (State Foundation of Scholarships), one-year post-doctoral scholarship (year **2011**).
- (7) Prize for Young Chemists (IUPAC), Award to encourage outstanding young researchers at the beginning of their career (year **2011**).
- (8) **ACS Young Academic Investigators Award (ACS)**, 9th Young Academic Investigators, 248th ACS National Meeting, Organic Division, San Francisco, USA, August **2014**. (Europe's representative). Award to encourage outstanding young academic investigators at the beginning of their career (**year 2014**). The intent of the Symposium is to have the program composed of Assistant Professor speakers. Sixteen speakers are invited to give 30-minute presentations on their work. Only 2 European Young Investigators were selected.
- (9) **Young Investigators Workshop (EuCheMS)**, Workshop to encourage outstanding young academic investigators at the beginning of their career (**year 2014**). EuCheMS workshops promote and recognize academic excellence. Each National Chemical Society (European countries, USA, Canada, Japan, and China) nominates one young investigator, for which a total of not more than 30 can be chosen.
- (10) Scientific scholarships from the Latsis Foundation (year **2015**, 12.000 €).
- (11) **JSP (Junior Scientist Programme) Fellowship to attend the Burgenstock Conference 2016**. A very famous conference that you can attend only after invitation. JSP fellowships are to promote the participation of promising European scientists at the beginning of their academic careers (**2016**).
- (12) **Hildegard Zervas Award from the Academy of Athens** (National Academy of Science and Arts) for the promotion of Organic Chemistry (December **2016**).

(13) **Young Investigators Workshop (EuCheMS)**, Workshop to encourage outstanding young academic investigators at the beginning of their career (year **2017**). EuCheMS workshops promote and recognize academic excellence. Each National Chemical Society (European countries, USA, Canada, Japan, and China) nominates one young investigator, for which a total of not more than 30 can be chosen.

(14) Outstanding Reviewer **2017**, Green Chemistry (impact factor 9.13).

(15) **Young Investigators Workshop (EuCheMS)**, Workshop to encourage outstanding young academic investigators at the beginning of their career (year **2018**). EuCheMS workshops promote and recognize academic excellence. Each National Chemical Society (European countries, USA, Canada, Japan, and China) nominates one young investigator, for which a total of not more than 30 can be chosen.

(16) **Hildegard Zervas Award from the Academy of Athens** (National Academy of Science and Arts) for the promotion of Organic Chemistry (E. Voutyritsa, A. Theodorou and Dr. M. G. Kokotou) (December **2018**).

(17) **Georgios Foteinos Award from the Academy of Athens** (National Academy of Science and Arts) for the promotion of Chemistry (A. Schiza, N. Spiliopoulou and A. Shahu) (December **2020**).

(18) Outstanding Reviewer **2020**, Green Chemistry (impact factor 10.18).

(19) **in the top 2% worldwide of Scientists in Organic Chemistry for the year 2020**, (<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3>).

(20) **in the top 2% worldwide of Scientists in Organic Chemistry throughout their careers up to the end of 2020**, (<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3>).

(21) **in the top 2% worldwide of Scientists in Organic Chemistry for the year 2021**, (<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/5>).

(22) **in the top 2% worldwide of Scientists in Organic Chemistry throughout their careers up to the end of 2021**, (<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/5>).

(23) **Chemistry Europe Fellow** (Chemistry Europe) The Fellowship is the highest award given by Chemistry Europe. New Fellows are announced every two years in the run-up to the biannual EuChemS Congress (Class of 2020-2022, **March 2022**). Only 4 has received this honor from Greece and 1st in Organic Chemistry from Greece. Interview at chemistry views: <https://www.chemistryviews.org/how-karaoke-nights->

[serve-chemists-careers/](#) , Interview at Chemical Chronicles (Official Journal of the Green Association of Chemists): https://www.eex.gr/news/anakoinwseis/2802-teuxos-iouliou-augoustou-2022?fbclid=IwAR0u2WxDQe9VmHzM6UIJeU3_Uy_O2O6HykCm7yAqHK2sZyfdvTQQ5eW_4m8

(24) **Chemical Science Reviewer Spotlight – September 2022** (Royal Chemical Society, Chemical Science), Interview at: <https://blogs.rsc.org/sc/2022/09/22/chemical-science-reviewer-spotlight-september-2022/>

(25) **Georgios Foteinos Award from the Academy of Athens** (National Academy of Science and Arts) for the promotion of Chemistry (N. Spiliopoulou and N. F. Nikitas) (December 2022).

Research Grants - Participation in Research Programmes

(1) Post-doctoral Research Grant, “*PEPCAT-Novel Organocatalysts Based on Peptides and Amino Acids and their Application in Asymmetric Organic Transformations*”, Action Post-doc (2012-2015, 150.000 €).

(2) Organocatalysis – ORCA, Cost Action CM0905 funded by the intergovernmental framework for European Cooperation in Science and technology (2011-2014), Management Committee Substitute and co-Organizer of the third ORCA meeting in Athens, 2012. Action Chair: Prof. P. Pihko, University of Jyväskylä, Finland. Funding for the Kokotos’ group (short-term scientific missions, meetings participation, and training schools): 15.000 €.

(3) Scientific Studies 2015, Latsis Foundation “*PhotoOrganocatalysis: Development of new environmentally-friendly methods for the synthesis of compounds for the pharmaceutical and chemical industry*” (2015, 12.000€).

(4) C-H Activation in Organic Synthesis – CHAOS, Cost Action CM15106 funded by the intergovernmental framework for European Cooperation in Science and technology (2016-2020), Management Committee Substitute. Action Chair: Prof. M. Schnurch, Technical University of Vienna, Austria. Funding for the Kokotos’ group (short-term scientific missions, meetings participation, and training schools): 36.000 €.

(5) Individual Fellowship for PhD research from the State Scholarships Foundation (IKY), Errika Voutyritsa, 36 months, 2016-2019, 32.400€.

(6) Individual Fellowship for PhD research from the Hellenic Foundation for Research and Innovation (HFRI), Ierasia Triandafillidi, 24 months, 2017-2019, 21.600€.

(7) Individual Fellowship for PhD research from the State Scholarships Foundation (IKY), Nikolaos Nikitas, 36 months, 2018-2021, 32.400€.

(8) European Network on Pseudomyxoma Peritonei – PMP, Cost Action CA17101 funded by the intergovernmental framework for European Cooperation in Science and technology (2019-2023), Management Committee Member. Action Chair: Prof. Kjersti Flatmark, Oslo University Hospital, Norway. Funding for the Kokotos' group (short-term scientific missions, meetings participation, and training schools): 5.000 €.

(9) Chemobrionics, Cost Action CA17120 funded by the intergovernmental framework for European Cooperation in Science and technology (2019-2023), Management Committee Member. Action Chair: Prof. Julyan Cartwright, CSIC Granada, Spain. Funding for the Kokotos' group (short-term scientific missions, meetings participation, and training schools): 5.000 €.

(10) Mechanochemistry for Sustainable Industry, Cost Action CA18112 funded by the intergovernmental framework for European Cooperation in Science and technology (2019-2023), Management Committee Member. Action Chair: Prof. Evelina Colacino, University of Montpellier, France. Funding for the Kokotos' group (short-term scientific missions, meetings participation, and training schools): 23.000 €.

(11) Green Chemical Engineering Network towards upscaling sustainable processes, Cost Action CA18224 funded by the intergovernmental framework for European Cooperation in Science and technology (2019-2023), Management Committee Member. Action Chair: Prof. Ana Rita Duarte, University of Lisbon, Portugal. Funding for the Kokotos' group (short-term scientific missions, meetings participation, and training schools): 4.000 €.

(12) Individual Fellowship for PhD research from the Hellenic Foundation for Research and Innovation (HFRI), Nikoleta Spiliopoulou, 36 months, 2019-2022, 32.400€.

(13) Research Programme «Support for Young - Call B'» entitled: «GREEN AND SUSTAINABLE ORGANOCATALYSIS: NOVEL EPOXIDATION METHODS AND APPLICATIONS IN CHEMICAL INDUSTRY», (2019, 37.000 €).

(14) Research Programme «1st Call for H.F.R.I. Research Projects to Support Faculty Members & Researchers and the procurement of high-cost research equipment grant» entitled: «Sunlight-driven Photoorganocatalysis: Novel and Green Organic Transformations and Synthesis of Compounds for the Chemical Industry», EΛΙΔΕΚ (2019-2023, 200.000 €).

(15) Individual Fellowship for postdoctoral research from the State Scholarships Foundation (IKY), Dr. Ierasia Triandafillidi, 24 months, 2020-2022, 24.000€.

(16) Individual Fellowship for postdoctoral research from the State Scholarships Foundation (IKY), Dr. Maroula G. Kokotou, 24 months, 2020-2022, 24.000€.

(17) Individual Fellowship for PhD research from the Hellenic Foundation for Research and Innovation (HFRI), Constantinos Constantinou, 36 months, 2022-2024, 32.400€.

(18) Multiscale Irradiation and Chemistry Driven Processes and Related Technologies (MultiChem), Cost Action CA20129 funded by the intergovernmental framework for European Cooperation in Science and technology (2021-2025), Working Group 1 and 4 Member. Action Chair: Dr. Alexey VERKHOVTSEV, MBN Research Center gGmbH, Germany. Funding for the Kokotos' group (short-term scientific missions, meetings participation, and training schools): 1.000 €.

(19) Plastics monitoRING detectiOn RemedIaTion recoverY (PRIORITY), Cost Action CA20101 funded by the intergovernmental framework for European Cooperation in Science and technology (2021-2025), Working Group 5 Member. Action Chair: Prof. Stefania Federici, National Interuniversity Consortium of Materials Science and Technology, Italy. Funding for the Kokotos' group (short-term scientific missions, meetings participation, and training schools): 1.000 €.

(20) Research Programme «3rd Call for H.F.R.I. to Support Post-doctoral Researchers» Dr. Dimitrios Chronopoulos entitled: «Carbocatalysis: Advancing Organic Synthesis and Asymmetric Catalysis», ΕΛΙΔΕΚ (2023-2025, 118.800 €).

Teaching Experience

(1) Laboratory supervision on 1st level General Chemistry during the academic years 2004 and 2005, University of Bristol.

(2) Teaching “Named Reactions in Organic Chemistry” the students of the Masters’ course “Organic Synthesis and Applications in Chemical Industry”, University of Athens, Greece during the academic year 2007 and 2008, National and Kapodistrian University of Athens.

(3) Supervision of 9 PhD students, National and Kapodistrian University of Athens.

(4) Supervision of 27 Masters’ students, National and Kapodistrian University of Athens.

(5) Supervision of 38 undergraduate students for their final year projects, National and Kapodistrian University of Athens.

(6) Supervision of 1 visiting PhD student, National and Kapodistrian University of Athens.

(7) Member of the Examination Committee of 7 International PhD Theses: **1.** Ben-Gurion University, **2020**, **2.** Jyvaskyla University, Finland, **2020**, **3.** Sastra University, India, **2020**, **4.** University of Vienna, Austria, **2021**, **5.** Gotenborg University, Sweden,

2022, 6. University of Vienna, Austria, **2023, 7.** University of University of Cape Town, South Africa, **2023.**

(8) Teaching of “Organic Chemistry” and Laboratory supervision on the 1st year students in the Department of Molecular Biology and Genetics, Democritus University of Thrace, Greece as a Lecturer (ΠΔ 407) (2nd semester, 2009-2010).

(9) Teaching “Advanced Organic Synthesis: Organocatalysis” for the students of the Masters’ course “Organic Synthesis and Applications in Chemical Industry”, National and Kapodistrian University of Athens, Greece (2010 till today).

(10) Laboratory supervision “Organic Chemistry II” for the undergraduate students of the Department of Chemistry, National and Kapodistrian University of Athens, Greece (since 2013).

(11) Teaching “Organic Chemistry” for the first-year students of the Department of Biology of the National and Kapodistrian University of Athens, Greece (2014 till today).

(12) Teaching “Advanced Organic Synthesis” for the fourth-year students of the Department of Chemistry of the National and Kapodistrian University of Athens, Greece (2014 till today).

(13) Teaching “Organic Chemistry II” for the second-year students of the Department of Chemistry of the National and Kapodistrian University of Athens, Greece (2017 till today).

(14) Supervision of 1 visiting undergraduate Erasmus Plus student, National and Kapodistrian University of Athens.

(15) Teaching “Advanced Organic Synthesis and Catalysis” for the students of the Masters’ course “Catalysis and Applications in Chemical Industry”, National and Kapodistrian University of Athens, Greece (2019 till today).

Teaching Notes – Book Chapters

1) “Named Reactions in Organic Chemistry” (Greek), C. G. Kokotos, 2008. Notes (78 pages) for the students of the Masters’ course “Organic Synthesis and Applications in Chemical Industry”, National and Kapodistrian University of Athens, Greece.

2) “Advanced Organic Synthesis: Organocatalysis” (Greek), C. G. Kokotos, 2011. Notes (84 pages) for the students of the Masters’ course “Organic Synthesis and Applications in Chemical Industry”, National and Kapodistrian University of Athens, Greece.

3) “Ureas and Thioureas as Asymmetric Organocatalysts”, D. Limnios, C. G. Kokotos, 2015. Book Chapter 2.19, “Sustainable Catalysis”, 4-volume book, Eds. M. North, RSC press.

- 4) “Organic Chemistry”, Translation in Greek of the “Organic Chemistry”, Clayden, Greeves, Warren”, 2017. Chapters 25-30, Utopia Press.
- 5) “Recent Advances in Reactions Promoted by Amino Acids and Oligopeptides”, I. Triandafillidi, E. Voutyritsa, C. G. Kokotos, 2019. Book Chapter 2, “Organocatalysis: Stereoselective Reactions and Applications in Organic Synthesis”, Eds. M. Benaglia, Walter de Gruyter GmbH.
- 6) “C–C and C–Heteroatom bonds photocatalyzed and photoinitiated by carbonyls”, N. F. Nikitas, C. G. Kokotos, 2022. Book Chapter, “Photochemistry, Volume 49”, Eds. S. Crepsi, S. Protti, RSC press.
- 7) “Sulfur Ylides as C1 Homologating Reagents”, N. Spiliopoulou, N. F. Nikitas, C. G. Kokotos, 2023. Book Chapter 8, “Homologation Reactions: Reagents, Applications and Mechanisms”, Eds. V. Pace, Wiley VHC.

Conference Organisation

- 1) Co-Organizer of 3th ORCA meeting, Athens, **2012**. Organocatalysis–ORCA, Cost Action CM0905.
- 2) Co-Organizer of 1st Athens International Catalysis Symposium in Athens (ACAC), **2016**.
- 3) Local Organizing Committee of EFMC-ASMC-19, International Symposium on Advances in Synthetic and Medicinal Chemistry 19, Athens, **2019**.
- 4) Local Organizing Committee of 2nd Summer School, COST Action CHAOS, Athens, **2019**.
- 5) Vice-Chair του Green Chemistry and Sustainable Development - 6th Panhellenic Symposium with International Participation, Athens, **2019**.
- 6) Member of the International Scientific Committee of 9th IUPAC International Conference on Green Chemistry, Athens, **2020** (postponed till September **2022**).
- 7) Chair of the Athens Summer School on Organic Synthesis (ASSOS2021) and International Young Investigator Symposium, Athens, **2021**.
- 8) Co-Organizer of the 1st Postgraduate Symposium of the Department of Chemistry of the National and Kapodistrian University of Athens, Athens, **2022**.
- 9) Chair of the Athens Summer School on Organic Synthesis (ASSOS2022) and International Young Investigator Symposium, Athens, **2022**.

10) Open Day for Organic Chemistry, Laboratory of Organic Chemistry NKUA, Athens, November **2022**.

Languages *English language:* (Excellent). Degree: Cambridge Proficiency in English (2001), Advanced Proficiency Certificate in English (1997)

French language: (Very good). Degree: DELF 2nd Degree (1998)

German language: (Poor).

Greek language: (Mother tongue).

Publications in journals

107) “Photochemical upcycling of polystyrene plastics” E. Skolia, O. G. Mountanea and C. G. Kokotos*, *Trends Chem.*, **2023**, doi: 10.1016/j.trechm.2022.10.003. (IF: 22.48)

106) “A General Metal-Free Protocol for the Visible-Light-Driven Protection of Carbonyls” L. Di Terlizzi, E. M. Galathri, S. Protti, C. G. Kokotos and M. Fagnoni*, *ChemSusChem*, **2023**, 16, e202201998. (IF: 9.14)

105) “Photochemical [2+2] Cycloaddition of Alkenes with Maleimides: Highlighting the Differences between N-Alkyl vs N-Aryl Maleimides” E. Skolia and C. G. Kokotos*, *ACS Org Inorg Au*, **2023**, doi: 10.1021/acsorginorgau.2c00053. (IF: -)

104) “Light-accelerated “on-water” hydroacylation of dialkyl azodicarboxylates” N. A. Stini, E. T. Poursaitidis, N. F. Nikitas, M. Kartsinis, N. Spiliopoulou, P. Ananida-Dasenaki and C. G. Kokotos*, *Org. Biomol. Chem.*, **2023**, DOI: 10.1039/D2OB02204D. (IF: 3.89)

103) “Friedel–Crafts arylation of aldehydes with indoles utilizing arylazo sulfones as the photoacid generator” E. M. Galathri, L. Di Terlizzi, M. Fagnoni, S. Protti and C. G. Kokotos*, *Org. Biomol. Chem.*, **2023**, 21, 365-369. (IF: 3.89)

102) “Cyrene: A Bio-based Solvent for the Mizoroki-Heck Reaction of Aryl Iodides” N. A. Stini, P. L. Gkizis and C. G. Kokotos*, *Org. Biomol. Chem.*, **2023**, 21, 351-358. (IF: 3.89)

101) “Photochemical Aerobic Upcycling of Polystyrene Plastics to Commodity Chemicals” N. F. Nikitas and C. G. Kokotos*, *ChemRxiv*, **2022**, doi: 10.26434/chemrxiv-2022-l8p90. (citations: 1)

- 100)** “Cyrene: a Bio-based Novel and Sustainable Solvent for Organic Synthesis” N. A. Stini, P. L. Gkizis and C. G. Kokotos*, *Green Chem.*, **2022**, *24*, 6435-6449. (IF: 11.03) **HOT ARTICLE** (citations: 3)
- 99)** “Light-promoted Oxidation of Aldehydes to Carboxylic Acids under Aerobic and Photocatalyst-free Conditions” C. S. Batsika, C. Koutsilieris, G. S. Koutoulogenis, M. G. Kokotou, C. G. Kokotos* and G. Kokotos*, *Green Chem.*, **2022**, *24*, 6224-6231. (IF: 11.03) (citations: 3)
- 98)** “A Sustainable Photochemical Aerobic Sulfide Oxidation: Access to Sulforaphane and Modafinil” E. Skolia, P. L. Gkizis and C. G. Kokotos*, *Org. Biomol. Chem.*, **2022**, *20*, 5836-5844. (Impact factor: 3.89) (citations: 3)
- 97)** “Organocatalytic Synthesis of Thiiranes from Alkenes” A. Tsoukaki, E. Skolia, I. Triandafillidi* and C. G. Kokotos*, *Eur. J. Org. Chem.*, **2022**, e202200463. (citations: 0) (Impact factor: 3.26) Hot Topic Organocatalysis, Highlighted at ChemistryViews: <https://www.chemistryviews.org/organocatalytic-synthesis-of-thiiranes-from-alkenes/>
- 96)** “Photochemical Aerobic Oxidation of Sulfides to Sulfoxides: The Crucial Role of Wavelength Irradiation” E. Skolia, P. L. Gkizis, N. F. Nikitas and C. G. Kokotos*, *Green Chem.*, **2022**, *24*, 4108-4118. (citations: 0) (Impact factor: 11.03) (citations: 5)
- 95)** “Aerobic Photocatalysis: Oxidation of Sulfides to Sulfoxides” E. Skolia, P. L. Gkizis and C. G. Kokotos*, *ChemPlusChem*, **2022**, *87*, e202200008. (citations: 0) (Impact factor: 2.86) (citations: 7)
- 94)** “A Unified Mechanism for the PhCOCOOH-mediated Photochemical Reactions: Revisiting its Action and Comparison to Known Photoinitiators” N. Spiliopoulou, P. L. Gkizis, I. Triandafillidi, N. F. Nikitas, C. S. Batsika, A. Bisticha and C. G. Kokotos*, *Chem. Eur. J.*, **2022**, *28*, doi: e202200023. (citations: 0) (Impact factor: 5.02) (citations: 4)
- 93)** “Hexafluoroisopropanol-promoted or Brønsted Acid-mediated Photochemical [2+2] Cycloadditions of Alkynes with Maleimides” I. Triandafillidi, N. F. Nikitas, P. L. Gkizis, N. Spiliopoulou and C. G. Kokotos*, *ChemSusChem*, **2022**, *15*, e202102441. (citations: 0) (Impact factor: 9.14) (citations: 6)
- 92)** “Photochemical C–H Acetalization of *O*-Heterocycles utilizing Phenylglyoxylic Acid as the Photoinitiator” G. S. Koutoulogenis, N. Spiliopoulou and C. G. Kokotos*, *PhotoChem. PhotoBiol. Sci.*, **2022**, *21*, 687–694. Invited Contribution for Special Issue for Prof. Albini (citations: 0) (Impact factor: 3.98) (citations: 1)

- 91)** “Aldehyde-Catalyzed Epoxidation of Unactivated Alkenes with Aqueous Hydrogen Peroxide” I. Triandafillidi, M. G. Kokotou, D. Lotter, C. Sparr* and C. G. Kokotos*, *Chem. Sci.*, **2021**, *12*, 10191-10196. (citations: 8) (Impact factor: 9.97)
- 90)** “Saturated Oxo Fatty Acids (SOFAs): A Previously Unrecognized Class of Endogenous Bioactive Lipids Exhibiting a Cell Growth Inhibitory Activity” C. S. Batsika, C. Mantzourani, D. Gkikas, M. G. Kokotou, O. G Mountanea, C. G. Kokotos P. K. Politis and G. Kokotos*, *J. Med. Chem.*, **2021**, *64*, 5654-5666. (citations: 12) (Impact factor: 8.04)
- 89)** “Photochemical Activation of Aromatic Aldehydes: Synthesis of Amides, Hydroxamic Acids and Esters” N. F. Nikitas, M. K. Apostolopoulou, E. Skolia, A. Tsoukaki and C. G. Kokotos*, *Chem. Eur. J.*, **2021**, *27*, 7915-7922. (citations: 8) (Impact factor: 5.02)
- 88)** “Thioxanthone: A Powerful Photocatalyst for Organic Reactions” N. F. Nikitas, P. L. Gkizis and C. G. Kokotos*, *Org. Biomol. Chem.*, **2021**, *19*, 5237-5253. (citations: 52) (Impact factor: 3.89)
- 87)** “Organocatalytic, Organic Oxidant Promoted, Enamine C–H Oxidation/Cyclopropanation Reaction” Z. Džambaski, A. M. Bondžić, I. Triandafillidi, C. G. Kokotos and B. P. Bondžić*, *Adv. Synth. Catal.*, **2021**, *363*, 4002–4008. (citations: 4) (Impact factor: 5.98)
- 86)** “Photochemical Metal-free Aerobic Oxidation of Thiols to Disulfides” N. Spiliopoulou and C. G. Kokotos*, *Green Chem.*, **2021**, *23*, 546-551. (citations: 34) (Impact factor: 11.03)
- 85)** “Metal-free Photochemical Atom Transfer Radical Addition (ATRA) of BrCCl₃ to Alkenes” N. F. Nikitas, E. Voutyritsa, P. L. Gkizis and C. G. Kokotos*, *Eur. J. Org. Chem.*, **2021**, 96-101. Invited Contribution for Special Issue: YourJOC Talents (citations: 9) (Impact factor: 3.26)
- 84)** “Photochemical Synthesis of Benzimidazoles from Diamines and Aldehydes” E. Skolia, M. K. Apostolopoulou, N. F. Nikitas and C. G. Kokotos*, *Eur. J. Org. Chem.*, **2021**, 422-428. (citations: 6) (Impact factor: 3.26)
- 83)** “Photochemical Reaction of *N,N*-Dimethylanilines with *N*-Substituted Maleimides Utilizing Benzaldehyde as the Photoinitiator” N. F. Nikitas, M. A. Theodoropoulou and C. G. Kokotos*, *Eur. J. Org. Chem.*, **2021**, 1168-1173. Invited Contribution for Special Issue: Hot Topic: Organocatalysis (citations: 3) (Impact factor: 3.26)
- 82)** “Phenylglyoxylic Acid: An Efficient Initiator for the Photochemical Hydrogen

Atom Transfer (HAT) C-H Functionalization of Heterocycles” G. N. Papadopoulos, M. G. Kokotou, N. Spiliopoulou, N. F. Nikitas, E. Voutyritsa, D. I. Tzaras, N. Kaplaneris and C. G. Kokotos*, *ChemSusChem*, **2020**, 13, 5934-5944. (citations: 27) (Impact factor: 9.19)

81) “Photochemical Functionalization of Heterocycles with EBX Reagents; C-H Alkynylation versus Deconstructive Ring Cleavage” E. Voutyritsa, M. Garreau, M. G. Kokotou, I. Triandafillidi, J. Waser* and C. G. Kokotos*, *Chem. Eur. J.*, **2020**, 26, 14453-14460. (citations: 21) (Impact factor: 5.02)

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Patents

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Invited Oral presentations

- 20) “Organic Synthetic Photochemistry: The Awakening of A Sleeping Giant” Gotenborg, Sweden, December **2022**.
- 19) “Photochemistry: Utilizing Light for the Introduction of Novel Organic Transformations” Final CHAOS Meeting, Valetta, Malta, October **2019**.

18) “Photocatalysis: Shedding Light to Organic Transformations” 5th CHAOS Meeting, Tarragona, Spain, September **2018**.

17) ““Phenylglyoxylic Acid: Shedding More Light in Organic Transformations” University of Oxford, Oxford, UK, August **2018**. Young Investigators Workshop of EuCheMS. (Greek representative). EuCheMS workshops promote and recognize academic excellence. Each National Chemical Society (European countries, USA, Canada, Japan, and China) nominates one young investigator, for which a total of not more than 30 can be chosen.

16) “Organocatalysis and Photocatalysis: Learning Old Reagents New Tricks” University of Bristol, Bristol, UK, Septemeber **2017**.

15) “PhotoOrganocatalysis and Sunlight-Promoted Processes Mediated by Phenylglyoxylic Acid” Young Investigators Workshop of EuCheMS, Gladbach, Germany, July **2017**. (Greek representative). EuCheMS workshops promote and recognize academic excellence. Each National Chemical Society (European countries, USA, Canada, Japan, and China) nominates one young investigator, for which a total of not more than 30 can be chosen.

14) “Green Organocatalytic Oxidations Mediated by Hydrogen Peroxide: New Catalysts, One-pot Transformations and Mechanistic Insights” 20th European Symposium on Organic Chemistry ESOC, Koln, Germany, July **2017**.

13) “Organocatalysis and Photocatalysis: Learning Old Reagents New Tricks” National Research Foundation, Athens, Greece, June **2017**.

12) “Phenylglyoxylic Acid as the Photocatalyst for Green Visible-Light PhotoOrganocatalysis and SunlightPromoted Processes” Athens International Catalysis Symposium, Athens, Greece, November **2016**.

11) “Synthetic Methods to 2-Hydroxy Fatty Acids and Lipolytic Enzyme Inhibitors” 2nd International Conference and Expo on Lipids: Metabolism, Nutrition and Health, Orlando, USA, October **2016**.

10) “Organocatalysis and Photocatalysis: Green Approaches for C-H Activation” COST Action Meeting CHAOS, Vienna, Austria, September **2016**.

9) “Organocatalysis and PhotoOrganocatalysis: Novel Green Organocatalysts and Applications in Medicinal Chemistry” National Research Foundation, Athens, April **2016**.

8) “Organocatalysis and PhotoOrganocatalysis: Green Asymmetric Catalysis, One-pot Transformations and Applications in Medicinal Chemistry” Aristotle University of Thessaloniki, Greece, March **2016**.

- 7) “Amino Acids, their Derivatives and Activated Ketones: Organocatalysts for Asymmetric Transformations and Green Oxidations” 248th ACS Meeting, 9th Young Academic Investigators Award, San Francisco, USA, August **2014**. (Europe’s representative). The intent of the Symposium is to have the program composed of Assistant Professor speakers. Sixteen speakers are invited to give 30-minute presentations on their work. Only 2 European Young Investigators were selected.
- 6) “Organocatalytic Endeavors Leading to One-pot Transformations and Green Oxidations” Young Investigators Workshop of EuCheMS, Larnaca, Cyprus, August **2014**. (Greek representative). EuCheMS workshops promote and recognize academic excellence. Each National Chemical Society (European countries, USA, Canada, Japan, and China) nominates one young investigator, for which a total of not more than 30 can be chosen.
- 5) “Amino Acids, their Derivatives and Peptides as Organocatalysts for Asymmetric Transformations” 13th Chinese International Peptide Symposium, Datong, China, June **2014**.
- 4) “Organocatalysis: A Novel Approach for Asymmetric Catalysis and Green Chemistry” University of Athens, Greece, May **2014**.
- 3) “Amino Acids and their Derivatives as catalysts for Organocatalytic Cascade Transformations” 5th ORCA Meeting, Palermo, Italy, May **2014**.
- 2) “Thioureas Based on Amino Acids and Pyrrolidine/thioxopyrimidinone as Catalysts for Asymmetric Organic Transformations” Rutgers University, New Jersey, USA, February **2013**.
- 1) “Novel Efficient Organocatalysts for Difficult Asymmetric Transformations” 10th Symposium on Chiral Approaches, Tokyo, Japan, February **2012**.

Oral presentations in conferences

- 18) “Organic Synthetic Photochemistry: Embracing the Needs of Green and Sustainable Chemistry” 9th IUPAC International Conference on Green Chemistry (9th ICGC), Athens, Greece, September **2022**.
- 17) “Sunlight-driven Photoorganocatalysis: Novel and Green Organic Transformations and Synthesis of Compounds for the Chemical Industry” Athens Summer School on Organic Synthesis (ASSOS2022), Athens, Greece, July **2022**.

- 16) “Organic Synthetic Photochemistry: The Awakening of A Sleeping Giant” Athens Conference on Advances in Catalysis (ACAC2022), Athens, Greece, June **2022**.
- 15) “Οργανοκατάλυση και Συνθετική Φωτοχημεία: Η Πράσινη Χημεία στην Υπηρεσία της Βιώσιμης Ανάπτυξης και της Αντιμετώπισης της Κλιματικής Αλλαγής” 1^ο Συνέδριο για τη Κλιματική Κρίση, ΕΚΠΑ, Athens, Greece, June **2022**.
- 14) “Photocatalysis: Shedding Light to Organic Transformations” 5th EuChemS Conference on Green and Sustainable Chemistry (5th EuGSC), Thessaloniki, Greece, September **2021**.
- 13) “Organocatalysis and Photochemistry: Advancing the Art of Organic Synthesis” Athens Summer School on Organic Synthesis (ASSOS2021) and International Young Investigator Symposium, Athens, Greece, August **2021**.
- 12) “Photocatalysis: Shedding Light to Organic Transformations” Athens Conference on Advances in Chemistry, Athens, Greece, October **2018**.
- 11) “Phenylglyoxylic Acid as the Photocatalyst for Green Visible-Light PhotoOrganocatalysis and Sunlight-Promoted Processes” 5^ο Greek Symposium on Green Chemistry, Patras, Greece, October **2017**.
- 10) “Providing Solutions for Challenging Asymmetric Transformations via New Efficient Organocatalysts” 3rd CHAOS Meeting, Bath, UK, September **2017**.
- 9) “Green PhotoOrganocatalysis and Organic Transformations Catalysed by Sunlight” 22th Greek Symposium of Chemistry, Thessaloniki, Greece, December **2016**.
- 8) “Green Organocatalytic Oxidations and PhotoOrganocatalysis: New Catalysts, One-pot Transformations and Applications in Pharmaceutical Chemistry” 12th Greece-Cyprus Conference on Chemistry, Thessaloniki, Greece, May **2015**.
- 7) “Thioureas Based on Dipeptides and Polymer-Supported Amino Acids and Peptides as Novel Organocatalysts” 12th Chinese International Peptide Symposium, Shenyang, China, July **2012**.
- 6) “Providing Solutions for Challenging Asymmetric Transformations via New Efficient Organocatalysts” 2nd ORCA Meeting, Marseille, France, March **2012**.
- 5) “Bifunctional Thioureas as Organocatalysts for Asymmetric Organic Transformations” 43rd IUPAC World Chemistry Congress, San Juan, Puerto Rico, August **2011**.

4) “Advances in Enantioselective Organocatalysis: Applications of Linchpin Catalysis” 3rd Hellenic Symposium on Organic Chemistry, Athens, Greece, October **2009**.

3) “A novel asymmetric synthesis of NK-1 receptor antagonist CP-122,721 based on the sulfur ylide-mediated epoxidation” 9th Conference on Medicinal Chemistry, Drug Discovery and Design, Patras, March **2008**.

2) “Applications of Sulfur Ylides in Asymmetric Synthesis” 2nd Hellenic Symposium in Organic Synthesis, Athens, April **2007**.

1) “Applications of Sulfur Ylides in Organic Chemistry” Syngenta Collaborative Research Conference 2006, Bracknell, September **2006**.

Referee in Journals and International Proposals

1. Hungarian Research Foundation, 2. Polish Research Foundation, 3. Hellenic Foundation for Research and Innovation, 4. Cyprus Research Foundation, 5. Israel Research Foundation, 6. Slovakian Research Foundation, 7. Serbian Research Foundation, 8. German Research Foundation, 9. Dutch Research Council, 10. Italian Research Foundation, 11. Qatar Research Foundation.

Journals

- 1) Advanced Synthesis and Catalysis
- 2) Accounts of Chemical Research
- 3) ACS Catalysis
- 4) ACS Sustainable Chemistry and Engineering
- 5) Angewandte Chemie International Edition
- 6) Biochemistry
- 7) Chemistry a European Journal
- 8) Chemical Papers
- 9) Chem. Commun.
- 10) ChemCatChem
- 11) Chemical Science
- 12) Chem. Soc. Rev.
- 13) ChemSusChem
- 14) Chem. Rev.
- 15) ChemPlusChem
- 16) ChemPhotoChem
- 17) E-Journal of Chemistry
- 18) European Journal of Organic Chemistry
- 19) Green Chemistry

- 20) Journal of the American Chemical Society**
- 21) Journal of Chemistry**
- 22) Journal of Heterocyclic Chemistry**
- 23) Journal of Organic Chemistry**
- 24) Journal of Molecular Catalysis B: Enzymatic**
- 25) Letters in Organic Chemistry**
- 26) Molecules**
- 27) Monatshefte für Chemie**
- 28) Org. Biomol. Chem.**
- 29) Org. Chem. Front.**
- 30) Org. Lett.**
- 31) Research on Chemical Intermediates**
- 32) RSC Advances**
- 33) Synlett**
- 34) Synthetic Communications**
- 35) Synthesis**
- 36) Tetrahedron**
- 37) Tetrahedron Letters**
- 38) Trends in Chemistry**