

Curriculum vitae

Dr. Sofia A. Mitkidou

Professor, Department of Chemistry, Democritus University of Thrace
(DUTH)

PERSONAL DATA

Contact: Department of Chemistry,
School of Sciences
Agios Loukas, 65404, Kavala
Democritus University of Thrace (DUTH)
tel. 2510462167, mob. +306937115747
e-mail: mitkidou@chem.duth.gr

Place and date of birth: Drama, May 16, 1963
Marital status: Married, one (1) child

Dr. Sofia Mitkidou is a Professor of Organic Chemistry in the Department of Chemistry at Democritus University of Thrace. She has previously held professorships in the Department of Chemistry at the International Hellenic University and in the Department of Petroleum Engineering at the Technological Educational Institute of Eastern Macedonia and Thrace. She graduated from the Department of Chemistry at Aristotle University of Thessaloniki in 1987 and completed her doctoral thesis in 1991 in the Organic Chemistry laboratory of the same department. Dr. Mitkidou's teaching portfolio includes courses in Organic Chemistry and Petroleum Chemistry, covering subjects such as Organic Chemistry, Organic Spectroscopy, the Chemistry and Technology of Petroleum Products, and Petroleum Geochemistry. Her doctoral research focused on the synthesis of organic heterocyclic compounds and the investigation of cycloaddition reactions. She has also served as a lecturer at the Hellenic Open University, Department of Natural Sciences. She has also taught in Postgraduate Programs (MSc in Oil and Gas Technology, Water Resources Management in the Mediterranean, Cosmetic Chemistry). Her research interests include Synthetic Organic Chemistry, identification of organic compounds, analysis and identification of essential oils of medicinal plants, analysis of organic residues in ancient ceramic vessels, organic geochemistry, and identification of petroleum pollutants in the environment. She served as a coordinator or principal investigator on more than 10 research projects. She is the co-author of more than 50 academic papers, with over 380 citations (Scopus h-index=11). Dr. Mitkidou has held several significant positions, including Vice President of the Technological Educational Institute (TEI) of Eastern Macedonia and Thrace, President of the Special Account for Research Funds, and President of the General Department of Sciences at the same institution. Additionally, she has served as Associate Dean of the School of Health and Welfare Professions, a member of the Coordinating Committee for the MSc in "Oil and Gas Technology," and an associate member of the General Assembly of the Hellenic Foundation for Research and Innovation (HFRI), representing the TEI of Eastern Macedonia and Thrace.

EDUCATION

- **(1987-1991) PhD.** Aristotle University of Thessaloniki, Department of Chemistry, Department of Organic Chemistry and Biochemistry. PhD thesis title: "Synthesis of o-quinodimethane derivatives and study of their reactions with dienophiles and 1,3-dipoles" (grade: excellent, Scholarship from the State Scholarship Foundation), 12/1991.
- **(1982-1987) BSc in Chemistry:** Aristotle University of Thessaloniki (AUTH), Faculty of Sciences, Department of Chemistry.

WORK EXPERIENCE - ACADEMIC POSITIONS

- **2019-today.** Faculty Member, Senior Professor of the Department of Chemistry of the Democritus University of Thrace (Government Gazette 1956/28-4-2024) and Department of Chemistry of the IHU. (Government Gazette 1203/7-4-2020)
- **1998-2019.** Faculty Member (Professor 06/2007-2019, Associate Professor 04/2002 - 06/2007, Assistant Professor 09/1998 – 04/2002). General Department, School of Technological Applications, TEI of Eastern Macedonia and Thrace and from 08/08-2013 at the Department of Petroleum Technology and Natural Gas Engineering, STEF, TEI of Eastern Macedonia and Thrace
- **2004-2006.** Member of the Department of Natural Sciences in the subject of Organic Chemistry, Hellenic Open University (HOU)
- **1993-1998.** Laboratory of Clinical Biochemistry, Department of Biochemistry/General Hospital of Kavala. Civil servant, organization and operation of the Biochemical and Immunological Laboratory.
- **1990-1998.** Scientific Associate, General Department and Department of Petroleum Technology, TEI of Kavala.

TEACHING

- **Undergraduate courses at the Department of Chemistry**
Organic Chemistry I, Organic Chemistry Laboratory I, Organic Chemistry II, Organic Chemistry III, Organic Chemistry Laboratory II (2019-present)
- **Undergraduate courses at the Department of Petroleum Engineering at the Technological Educational Institute of Eastern Macedonia and Thrace**
Organic Chemistry, Chemistry and Technology of Petroleum Products, Organic Spectroscopy, General and Inorganic Chemistry, Organometallic Chemistry, Special Topics in Organic Chemistry
- **Postgraduate courses**
 - MSc "Petroleum and Natural Gas Technology", Department of Petroleum and Natural Gas Technology Engineering and Department of Chemistry, IHU, Course: Organic Geochemistry of Petroleum, 2012-present
 - MSc "Cosmetic Chemistry", Department of Chemistry, IHU, Course: Chemistry of Natural Products, 2022
 - MSc "Man and Water", TEI of Eastern Macedonia and Thrace, UNESCO, Course: Water quality and pollution. Assessment and control criteria, 2018-2019
 - MSc "Didactics, Pedagogy and Information and Communication Technologies", TEI of Eastern Macedonia and Thrace, Course: Teaching of Natural Sciences/ Teaching of Technology/ Development of Educational Applications in Sciences, 2016-2018
 - MSc "Water Resources Management in the Mediterranean", Department of Forestry and Natural Environment Management, TEI of Eastern Macedonia and Thrace, Course: Water quality in conditions of water scarcity, 2012-2016
- **Supervision of Bachelor's and Diploma Theses:** Supervising Professor in several theses at the Department of Petroleum Engineering at the Technological Educational Institute of Eastern Macedonia and Thrace (1998-2020) and at the Department of Chemistry from 2022-today, in the MSc "Oil and Gas Technology" and in the MSc "Water Resources Management in the Mediterranean".

ADMINISTRATIVE ACTIVITIES

- Vice President of the T.E.I. of Kavala and President of the Special Account (2002-2005)
- President of the European Programmes Committee (1998-2002)
- President of the General Department of Sciences (2007-2009) of the Technological Educational Institute of Eastern Macedonia and Thrace
- Ass. Dean of the School of Health and Welfare Professions (2018-present)
- Member of the Coordinating Committee of the MSc "Oil and Gas Technology", Member of the Interdepartmental Committee of the MSc "Teaching, Pedagogy and Information and Communication Technologies"
- Ass. Member of the General Assembly of the Hellenic Foundation for Research and Innovation (HFRI) as a representative of the TEI of Eastern Macedonia and Thrace.
- Member of the Research Committee
- Participation in the Organizing Committee and the Evaluation Committee of the 2nd Panhellenic Preliminary Competition of Professional Chemistry

RESEARCH ACTIVITIES

Fields of research activities:

- Synthetic Organic Chemistry - Identification of organic compounds
- Archaeometry - Analysis of organic remains in ancient ceramic utensils
- Synthesis and analysis of biofuels
- Organic Geochemistry, determination of petroleum biomarkers
- Analysis and identification of essential oils of medicinal plants

Research projects

- (2018-2021). "BLACK SEA BASIN INTERDISCIPLINARY COOPERATION NETWORK FOR SUSTAINABLE JOINT MONITORING OF ENVIRONMENTAL TOXICANTS MIGRATION, IMPROVED EVALUATION OF ECOLOGICAL STATE AND HUMAN HEALTH IMPACT OF HARMFUL SUBSTANCES, AND PUBLIC EXPOSURE PREVENTION - MONITOX" (2018-2020)–member of Central Research Team.
- (2016-2017). "PRODUCTION OF BIOLIQUID SPECIAL MEC FROM RESIDUAL PRODUCTS RICH IN OILS (FRYING OILS, PROCESSED ANIMAL FATS)", Funding: ENERGY EPIRUS LTD. Scientific Project Manager
- (2012 – 2015). Thales Program - "EXPLOITATION OF RESOURCES DURING THE NEOLITHIC PERIOD IN NORTHERN GREECE: MATERIAL CULTURE AND ENVIRONMENT" Co-ordinator: Kotsakis Konstantinos, School of Archaeology, Aristotle University of Thessaloniki. Scientific Coordinator of Action 3 "Application of modern methods and laboratory techniques of Organic Analytical Chemistry in the study of the organic remains of ancient macromolecules in ceramic vessels of Northern Greece"
- Archaeological Museum of Istria, Pula (Croatia). Chemical analysis of organic residues on Neolithic pottery. Co-coordination with Prof. D. Urem-Kotsou (2011)
- Garitsa, Corfu (cemetery of classical period). Chemical analysis of organic residues on pottery. Co-coordination with Prof. D. Urem-Kotsou (2011)
- (2008-2009). Institutional Coordinator of the research projects "ARCHIMEDES II" and "ARCHIMEDES II-ENVIRONMENT" of EPEAEK II
- (2005-2008). EPEAEK II "ARCHIMEDES - Support of research teams in TEI", in the sub-project "Application of Analytical Methods in the study of Organic Residues in Ancient Ceramic Utensils". Scientific Project Manager
- (2000-2001). Water pollution control program of the Prefecture of Kavala. Funding of the Municipality of the Prefecture of Kavala. Member of the research team.
- (1992-1993). Πρόγραμμα "Identification, preservation, adaptation and cultivation of selected aromatic and medical plants suitable for marginal lands of the Mediterranean region",

Mediterranean Agronomic Institute of Chania, contract no. 8001-CT91-0104, members of the Institute of Subtropical Plants and Olive Trees of Chania, National and Kapodistrian University of Athens, Agricultural University of Athens, University of Thessaloniki, Centre National de la Recherche Scientifique (Montpellier, France), University Pierre et Marie Curie. Member of a research team.

- (1993-1998). Participation in the "Epidemiological Study Group of Kavala", measurement and evaluation of biochemical parameters-risk factors for cardiovascular diseases

PUBLICATIONS [h-index: 11 scopus], total citations (Scopus: 386)

- 1) Paschou, V., E. Emmanouilidou, A. Lazaridou, N.C. Kokkinos, και S. Mitkidou. 'A Comparative Study of Biodiesel Production from Waste Cooking Olive Oil and Sunflower Oil'. *ChemistrySelect* 10, τχ. 4 (2025). Scopus. <https://doi.org/10.1002/slct.202404497>
- 2) Nikolaos Kamidis, Argyrios Sapounidis, Thomas Spanos et al. Trace elements in two endemic fish species (*Barbus strumicae*, Karaman, 1955 and *Squalius orpheus*, Kottelat & Economidis, 2006) of Nestos River (NE Greece): levels, organ bioaccumulation and potential health risk, 18 January (2024), PREPRINT (Version 1) available at Research Square [<https://doi.org/10.21203/rs.3.rs-3581380/v1>]
- 3) Elissavet Emmanouilidou, Anastasia Lazaridou, Sophia Mitkidou, Nikolaos C. Kokkinos. 'A comparative study on biodiesel production from edible and non-edible biomasses', *Journal of Molecular Structure*, Volume 1306,(2024), 137870, ISSN 0022-2860, <https://doi.org/10.1016/j.molstruc.2024.137870>
- 4) Emmanouilidou, E., S. Mitkidou, A. Agapiou, και N.C. Kokkinos. 'Solid waste biomass as a potential feedstock for producing sustainable aviation fuel: A systematic review'. *Renewable Energy* 206 (2023): 897-907. <https://doi.org/10.1016/j.renene.2023.02.113>.
- 5) Dermentzis, K., K. Karakosta, N. Kokkinos, S. Mitkidou, M. Stylianou, A. Agapiou. 'Photovoltaic- driven electrochemical remediation of drilling fluid wastewater with simultaneous hydrogen production'. *Waste Management and Research* 41, τχ. 1 (2023): 155-63. <https://doi.org/10.1177/0734242X221105414>.
- 6) Kokkinos, N., G. Theochari, E. Emmanouilidou, D. Angelova, V. Toteva, A. Lazaridou, και S. Mitkidou. 'Biodiesel production from high free fatty acid byproduct of bioethanol production process', τ. 1123, (2022). <https://doi.org/10.1088/1755-1315/1123/1/012009>.
- 7) Konstantinos Dermentzis, Kokkoni Karakosta, Nikolaos Kokkinos, Sophia Mitkidou, Marinos Stylianou and Agapios Agapiou (2022), *Photovoltaic-driven electrochemical remediation of drilling fluid wastewater with simultaneous hydrogen production*, *Waste Management & Research*, July 2022, doi: 10.1177/0734242X221105414
- 8) S. Mitkidou, N. Kokkinos, E. Emmanouilidou, Y. Yohannah, T. Spanos, C. Chatzichristou and A. Ene (2022), *Investigation of Petroleum Hydrocarbon Fingerprints of Water and Sediment Samples of the Nestos River Estuary in Northern Greece*, *Applied Sciences*, vol. 12, no. 3, p. 1636, doi:10.3390/app12031636
- 9) Sofia Mitkidou, Evangelia Dimitrakoudi, Nikolaos Kokkinos, Olga Bajcev, Slavisa Peric, Dushka Urem-Kotsou. "Chemical analysis of tarry materials found on pottery from Neolithic settlements in Serbia". *The Neolithic in the Middle Morava Valley*, Series of the Institute of Archaeology, Belgrade, No 3 (2020).
- 10) Dushka Urem-Kotsou, Sofia Mitkidou, Evangelia Dimitrakoudi, Nikolaos Kokkinos, Maria Ntinou. Following their tears: production and use of plant exudates in the Neolithic of North Aegean and the Balkans, *Quaternary International*, Quaternary International _2018_ volume 496, pp 68-79. doi.org/10.1016/j.quaint.2018.10.027. (<http://www.sciencedirect.com/science/article/pii/S1040618218306979>).
- 11) E.V. Liakos, S.A. Mitkidou, A.C. Mitropoulos, G.Z. Kyzas, "Nanohybrid chitosans in sorption technology", In: "In Micro and Nano Technologies, Composite nanoadsorbents", Chapter 4, pp. 67-84, Elsevier, ISBN 978-1-63484-078-1, Amsterdam, Netherlands, 2019. doi.org/10.1016/B978-0-12-814132-8.00004-6. (<http://www.sciencedirect.com/science/article/pii/B9780128141328000046>)
- 12) Mitkidou, S., Dimitrakoudi, E., Kokkinos, N., Urem-Kotsou, D., Bajcev, O., & Perić, S. (2019). Chemical analysis of tarry materials found on pottery from Neolithic settlements in Serbia. *The Neolithic in the Middle Morava Valley: Interdisciplinary contributions to research and preservation of archaeological heritage*, 47-60.

13) Kokkinos, N.C., Nikolaou, N., Psaroudakis, N., Mertis, K., Mitkidou, S., Mitropoulos, A.C. Two-step conversion of LLCN olefins to strong anti-knocking alcohol mixtures catalysed by Rh, Ru/TPPTS complexes in aqueous media (2015) *Catalysis Today*, 247, pp. 132-138. DOI: 10.1016/j.cattod.2014.07.058.

14) Dermentzis, K., Valsamidou, E., Chatzichristou, C., Mitkidou, S. Decolorization treatment of copper phthalocyanine textile dye wastewater by electrochemical methods (2013) *Journal of Engineering Science and Technology Review*, 6 (1), pp. 33-37

15) Dimitrakoudi, E.A., Mitkidou, S.A., Urem-Kotsou, D., Kotsakis, K., Stephanidou-Stephanatou, J., Stratis, J.A. Characterization by gas chromatography-mass spectrometry of diterpenoid resinous materials in Roman-age amphorae from northern Greece (2011) *European Journal of Mass Spectrometry*, 17 (6), pp. 581-591. DOI: 10.1255/ejms.1155.

16) Tsoleridis, C.A., Pozarentzi, M., Mitkidou, S., Stephanidou-Stephanatou, J. An experimental and theoretical study on the regioselectivity of successive bromination sites of 7,8-dimethyl-2,4-diphenyl-3H-1,5-benzodiazepine. Efficient microwave assisted solventless synthesis of 4-phenyl-3H-1,5-benzodiazepines (2008) *Arkivoc*, 2008 (15), pp. 193-209

17) Mitkidou, S., Dimitrakoudi, E., Urem-Kotsou, D., Papadopoulou, D., Kotsakis, K., Stratis, J.A., Stephanidou-Stephanatou, I. Organic residue analysis of Neolithic pottery from North Greece (2008) *Microchimica Acta*, 160 (4), pp. 493-498. DOI: 10.1007/s00604-007-0811-2

18) Doitsides, N., Mitkidou, S., Stephanidou-Stephanatou, J., Mentzafos, D., Terzis, A. A novel synthesis of salvadoricine Schiff bases (1995) *Synthetic Communications*, 25 (9), pp. 1411-1418. DOI: 10.1080/00397919508013844.

19) Mertzanos, G.E., Alexandrou, N.E., Tsoleridis, C.A., Mitkidou, S., Stephanidou-Stephanatou, J. Generation and Diels-Alder reactions of N1-substituted pyrazole-4,5-quinodimethanes (1994) *Heterocycles*, 37 (2), pp. 967-978

20) Mitkidou, S., Stephanidou-Stephanatou, J., Stephopoulou, H. Reaction of 3-benzylidene-2,4-pentanedione and 3-methoxymethylene-2,4-pentanedione with arylhydrazines (1993) *Journal of Heterocyclic Chemistry*, 30 (2), pp. 441-444. DOI: 10.1002/jhet.5570300227.

21) Mitkidou, S., Stephanidou-Stephanatou, J., Terzis, A., Mentzafos, D. Spiroheterocycles from reaction of nitrile oxides with heterocyclic o-quinodimethanes (1992) *Tetrahedron*, 48 (29), pp. 6059-6068. DOI: 10.1016/S0040-4020(01)89854-9

22) Mitkidou, S., Stephanidou-Stephanatou, J. The isoxazole analogue of ortho-quinodimethane: generation and cycloaddition reactions (1991) *Tetrahedron Letters*, 32 (35), pp. 4603-4604. DOI: 10.1016/0040-4039(91)80051-7

23) Mitkidou, S., Stephanidou-Stephanatou, J. A study on m-chloroperbenzoic acid and lead tetraacetate oxidation of some 1-aryl-4,5-dihydro-4,4-dimethyl-5-methylene-1H-pyrazoles (1991) *Journal of Heterocyclic Chemistry*, 28 (1), pp. 49-53. DOI: 10.1002/jhet.5570280109

24) Mitkidou, S., Papadopoulos, S., Stephanidou-Stephanatou, J. Identification of some isomeric 3,5-unsymmetrically substituted 1-aryl-pyrazole derivatives by NMR spectroscopy (1991) *Journal of Heterocyclic Chemistry*, 28 (6), pp. 1497-1499. DOI: 10.1002/jhet.5570280605

25) Mitkidou, S., Papadopoulos, S., Stephanidou-Stephanatou, J., Terzis, A., Mentzafos, D. A study on the reactions of some ketenes with 1-aryl-1H-pyrazoles (1990) *Journal of the Chemical Society, Perkin Transactions 1*, (4), pp. 1025-1031

26) Mitkidou, S., Stephanidou-Stephanatou, J. The pyrazole analogue of ortho-quinodimethane: Generation and cycloaddition reactions (1990) *Tetrahedron Letters*, 31 (36), pp. 5197-5200. DOI: 10.1016/S0040-4039(00)97841-9

27) Mitkidou, S., Papadopoulos, S., Stephanidou-Stephanatou, J., Terzis, A., Mentzafos, D. Unusual Reactions between Some 1-Aroyl-4,5-dihydro-4,4-dimethyl-5-methylene-1H-pyrazoles and Ketenes (1990) *Journal of Organic Chemistry*, 55 (15), pp. 4732-4735. DOI: 10.1021/jo00302a046.

28) Mitkidou, Sophia & Stephanidou-Stephanatou, Julia & Tsoleridis, Constantinos & E. Alexandrou, Nicholas. (1990). Beckmann rearrangement of (Z)- and (E)-oximes of 2-aryl-4,5,6,7-tetrahydro-6,6-dimethyl-2H-benzo[d][1,2,3]-triazol-4-ones and 4,5,6,7-tetrahydro-6,6-dimethylbenzo[c][1,2,5]oxadiazol-4-ones. *Collection of Czechoslovak Chemical Communications - COLLECT CZECH CHEM COMMUN.* 55. 245-255. 10.1135/cccc19900245

29) Tirologos, A., Simeonidis, D., Karakos, A., Sidiropoulos, C.H., Gartzopoulou- Tirologou, A., Doulgeridis, P., Hellinas, D., Papoula, S., Argiriadou, S., Avlonitis, S., Iakovidis, D., Fidani, C.H., Kampouridis, N., Kefalidou, C.H., Papoulidis, N., Chitridou, D., Karamanis, G., Mitkidou, S., Mouchlia, A., Paraschos, M. Smoking in high school students (1998) Hellenic Journal of Cardiology, 39 (2), pp. 141-152.

30) Tirologos, A., Argiriadou, S., Avlonitis, S., Gatzopoulou-Tirologou, A., Doulgeridis, P., Dimeli, P., Ellinas, D., Iakovidis, D., Kampouridis, N., Karakos, A., Karamanis, G., Kefalidou, C.H., Mitkidou, S., Mouchlia, A., Papoula, S., Paraschos, M., Ristanis, E., Sidiropoulos, C.H., Simeonidis, D., Fidani, C.H., Chitridou, D. Tuition of cardiovascular disease (CVD) risk factors in high school students of Kavala greece area and response test (1997) Hellenic Journal of Cardiology, 38 (2), pp. 112-122.

Scientific publications in proceedings of international conferences

1. Nikolaos Kokkinos, Grigoria Theochari, Elissavet Emmanouilidou, Daniela Angelova, Vesislava Toteva, Anastasia Lazaridou and Sophia Mitkidou (2022), *Biodiesel production from high free fatty acid byproduct of bioethanol production process*, 3rd International Conference on Environmental Design (ICED2022), 22-23 October 2022, Athens, Greece.
2. E. Emmanouilidou, S. Mitkidou, A. Agapiou, N. Kokkinos (2022), *Solid waste biomass as a potential feedstock for sustainable aviation fuel production*, 9th International Conference on Sustainable Solid Waste Management, 15-18 June 2022, Municipal Theater of Corfu, Corfu, Greece.
3. K. Dermentzis, K. Karakosta, N. Kokkinos, S. Mitkidou, M. Stylianou, A. Agapiou (2021), *Photovoltaic driven electrochemical remediation of drilling fluid wastewater with simultaneous hydrogen production*, 8th International Conference on Sustainable Solid Waste Management, 23-25 June 2021, Thessaloniki, Greece.
4. Thomas Spanos, Nikolaos Mittas, Christina Chatzichristou, Sophia Mitkidou, Konstantinos Dermentzis, Nikolaos Kokkinos, Vilson Topi, Despina Selina Spanou, Antoaneta Ene, Oleg Bogdevich, Elena Zubcov, Liliana Teodorof, Evaluation of groundwater quality through environmetrics. The case of Nestos and Strymon River regions, Northern Greece, MONITOX International Conference "Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin", Kavala, GREECE, September 8th-11th, 2020.
5. Eustratios Kampantais, Nikolaos Mittas, Sophia Mitkidou, Nikolaos Kokkinos, Despoina Babouki, Dafni Ntakaki, Thomas Spanos, Christina Xatzichristou, Chemometric analysis on arsenic contamination of surface water in Kavala Prefecture, MONITOX International Conference "Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin", Kavala, GREECE, September 8th-11th, 2020.
6. Eleni Nanou, Sophia Mitkidou, Nikolaos Kokkinos, Evaluation of chromatographic techniques for the determination of pesticide residues in various products, MONITOX International Conference "Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin", Kavala, GREECE, September 8th-11th, 2020.
7. Athanasia Tsoulkani, Sophia Mitkidou, Nikolaos Kokkinos (2020), A comprehensive analysis on scale deposition in oil production: The case study of Northern Greece oil field, Society of Petroleum Engineers (SPE), European Regional Student Paper Contest, Annual Student Energy Congress, 2-5 March 2020, Zagreb, Republic of Croatia.
8. Nikolaos Kokkinos, Sophia Mitkidou, Konstantinos Dermentzis, Dimitrios Marmanis, Vasilios Diamantis (2019), One-pot green upgrade of refinery gasoline, 18th Austrian Chemistry Days 2019, Joint Meeting of the German & Austrian Chemical Societies, 24-27 September 2019, Linz, Austria.
9. Sophia Mitkidou, Nikolaos Kokkinos, Konstantinos Trompakas (2019), Forensic Fingerprinting of Biomarkers for Oil Spill Characterization: The Case Study of Kavala, Greece, MONITOX International Symposium "Deltas and Wetlands", 15-17 September, Tulcea, Romania.
10. Nikolaos Kokkinos, Fotini Panagiotou, Sophia Mitkidou (2019), An Environmentally Friendly Process for Refinery Gasoline Upgrading, International Conference on Innovative Applied Energy, 14-15 March 2019, Oxford, UK, ISBN: 978-1-912532-05-6.
11. N. Kokkinos, N. Nikolaou, S. Mitkidou, A. Mitropoulos, E. Vansant, A. Christoforidis: Green catalytic processes converting refinery naphtha cuts to strong anti-knocking ingredients of gasoline. Energy, Science & Technology - International Conference and Exhibition (EST), 20 - 22 May 2015, Karlsruhe Convention Centre, Karlsruhe, Germany.

12. T. Spanos, A. Ene, S. Mitkidou & P. Simeonova: Application of chemometric methods for assessment of groundwater quality in Kavala Prefecture, Northern Greece. International Conference "Frontiers in Environmental and Water Management", 19-21 March 2015, Kavala, Greece.
13. Nikolaos C. Kokkinos, Ch. Papadopoulos, A. Lazaridou, N. Nikolaou, S. Mitkidou, K. Dermentzis, A. Chatzidakis, and A. Mitropoulos: Upgrade of a naphtha cut to a strong anti-knocking mixture: An integrated approach to applied heterogenised homogeneous catalysis in aqueous media. 5th Annual Global Congress of Catalysis 2014, From Creativity to Industrialization, China University of Petroleum, 21-23 September (2014), Qingdao, China.
14. H. Whelton, M. Roffet-Salque, S. Mitkidou, E. Dimitrakoudi, N. Kokkinos, K. Kotsakis, D. Urem-Kotsou, A. Athanassiadou, M. Besios, A. Chrysostomou, P. Halstead, A. Hondroyanni, S. Kotsos, M. Pappa and R. P. Evershed: Investigating diet and Subsistence Patterns in Neolithic Greece using Lipid Residues in Pottery. International Conference on 'Northern Greece and Southeastern Europe during the Neolithic period. An Interaction Zone', Thessaloniki 2014.
15. Sophia Mitkidou, Evangelia Dimitrakoudi, Dushka Urem-Kotsou, Despina Papadopoulou, Kostas Kotsakis, John A. Stratis, Julia Stephanidou-Stephanatou . "Identification of Archaeological Adhesives by GC-MS from the neolithic site of Drenovac (Serbia)", , 5th International Conference on Instrumental Methods of Analysis Modern Trends and Applications (2007).
16. Nikolaos C. Kokkinos, Sophia Mitkidou, Etienne Vansant, Athanassios Ch. Mitropoulos. International Conference on Smart and Green Interfaces (SGI) - COST MP1106, 22-24 April (2014), Marseille, France.
17. Evangelia Dimitrakoudi, Sophia Mitkidou, Despina Papadopoulou, Dushka Urem-Kotsou, Kostas Kotsakis, Ioulia Stephanidou-Stephanatou, John Stratis. Organic residue analysis of Neolithic pottery from North Greece. 5th International Conference Aegean Analytical Days, October 2006 (web.auth.gr/aegean_acd_2006/index.html)
18. Evangelia Dimitrakoudi, Sophia Mitkidou, Despina Papadopoulou, Dushka Urem-Kotsou, Kostas Kotsakis, Ioulia Stephanidou-Stephanatou, John Stratis. Analysis of resins from the Roman Age Greek Pottery by gas chromatography-mass spectrometry. 5th International Conference Aegean Analytical Days, October 2006
19. Tyrologos A. , Mitkidou S., Karamanis G., Simeonidis D., Doulgeredes P. Plasma Fibrinogen and Serum Glucose Levels in Children 12-15 years old. 4th International Conference on Preventive Cardiology, Montreal July 1997.
20. Tyrologos A., Mitkidou S., Doulgeredes P., Tyrologou A. Lipid Levels in Children 12-15 years old. 5th International Symposium on Advances on Lipoproteins and Atherosclerosis, Athens 1997.

Scientific publications in proceedings of Greek conferences

1. Monitoring and Optimizing Synthesis Reactions of Chalcones via GC-MS Analysis. Dimitra Giannou, Katerina Katsivelou, Valeria Katsoti, Charalambia Krokou, Stella Liotsaki, Maria Christofidi, Nikolaos Kokkinos, Sophia Mitkidou, 23rd Panhellenic Chemistry Conference, Athens, September 2024
2. Comparative Study of Biodiesel Production from Waste Cooking Olive Oil and Sunflower Oil. Vasiliki Paschou, Elissavet Emmanouilidou, Anastasia Lazaridou, Nikolaos Kokkinos, Sophia Mitkidou, 23rd Panhellenic Chemistry Conference, Athens, September 2024
3. Biodiesel Production and Analysis from Used Household Frying Olive Oil. V. Paschou, E. Emmanouilidou, A. Lazaridou, N. C. Kokkinos, S. Mitkidou, ACC 2023, Θεσσαλονίκη
4. Production, characterization and properties determination of biodiesel from waste cooking oils. E. Emmanouilidou, A. Lazaridou, S. Mitkidou, N. C. Kokkinos, ACC 2023, Θεσσαλονίκη
5. Study of oxidation and reduction reactions of 1-Aroyl-5-methylene-3,4,4-trimethyl-4,5-dihydro-1H-pyrazoles., Sofia Mitkidou* and I. Stefanidou-Stephanatou. 12th Panhellenic Congress of Chemistry, Thessaloniki 1988, Volume II, p. 256.

6. Beckmann transposition of co- and anti-oxime tetrahydrobenzo[c][1,2,5]oxadiazoles and tetrahydrobenzo[d][1,2,3]triazoles., Sophia Mitkidou, I. Stefanidou-Stefanatou*, K.Tsoleridis and N.E. Alexandrou. *12th Panhellenic Congress of Chemistry, Thessaloniki 1988, Volume II*, p. 261.
7. Study of reactions of pyrano[3,4-b]indole-3-ones with stable nitriloxides. Sophia Mitkidou* and I. Stefanidou-Stefanatou. *13th Panhellenic Congress of Chemistry, Athens 1991, Volume II*, p. 266.
8. Study of reactions of o-quinodimethane derivatives with mesitonitrioxide. Sophia Mitkidou and I. Stefanidou-Stefanatou. *13th Panhellenic Congress of Chemistry, Athens 1991, Volume II*, p. 335.
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