

PERSONAL INFORMATION	
SURNAME	CHALARIS
NAME	MICHAIL
e-mail	mchalaris@chem.ihu.gr
TEL.	+306978118045

CURRENT POSITION(S)	
2021 - today	Assistant Professor, Research Director on Risk, Hazards, Crises, and Safety at Hephaestus Advanced research Laboratory and Deputy Director of the MSc in Quality, Safety, Security, Health, and Environmental Management (2022 – today) Division of Physical Chemistry and Chemical Technology, Chemistry Department, School of Science, International Hellenic University, Greece

PREVIOUS POSITION(S)	
2012 - 2021	Rtd Major General (HFCs) He brings a wide variety of experiences, a high level of energy, and a sincere passion for his instruction and service. His expertise addresses the intersection of first-hand operational experience in all-hazards mitigation, crisis management policy, as well as and functional elements of communications, Hellenic Fire Corps, Greece
2009 - 2012	Executive Secretary Labour Inspectorate (S.E.P.E.), Ministry of Labour and Social Security, Hellenic Republic, Greece
1995 - 2009	Fire Officer In staff & operational positions, Hellenic Fire Corps, Greece

EDUCATION	
2019-2020	School of Law, Criminology and Government, University of Plymouth, UK, <i>a Strategic Evaluation of Energy Security in the Eastern Mediterranean</i> , MA in Applied Strategy and International Security (Act Number ΔΟΑΤΑΠ : H48M617/2021)
2018-2019	Hellenic National Defence College, Greece, <i>Operational Incident Management Models. Decision Making Process and its Implementation. Documentation of Results at Strategic Level.</i> , Ptyxio
2012-2013	School of Further Education & Professional Training, Hellenic Fire Academy, Greece, <i>Theoretical Principles of Organisational Changes in The Hellenic Fire Corps Based on European Standards</i> , Ptyxio
1994 -1999	Chemistry Department, School of Sciences, National and Kapodistrian University of Athens, Greece, <i>Statistical Mechanical Studies Via Molecular Dynamics Simulation Techniques of Liquid Systems Consisted of Protic (Meoh, H2o) and Aprotic (Dmsol, Dmf) Solvents</i> , Ph.D. in Chemistry
1995-1996	Fire Officers Faculty, Hellenic Fire Academy, Greece, BSc
1988-1993	Chemistry Department, School of Sciences, National and Kapodistrian University of Athens, Greece, BSc in Chemistry

PUBLICATIONS	
1.	Occupational Health and Safety, and Environmental management on the age of Fourth Industrial Revolution, <u>M. Chalaris</u> , <i>Technium Business and Management</i> , 2(3), 1–5, 2022, https://doi.org/10.47577/business.v2i3.6941
2.	Analysis of Occupational Accidents in a Lower-Middle-Income Economy, North Macedonia During the Period 2014 -2019, <u>M. Chalaris</u> , O. Popovski, M. Bogdanoski and N. Kletnikov, <i>Journal of Engineering Science and Technology Review</i> , 14 (6), 91 – 101, 2021, 10.25103/jestr.146.10
3.	An extensive Review of Detection and Monitoring Techniques of Biological Warfare Agents - Ανασκόπηση Μεθόδων και Τεχνικών ανίχνευσης και παρακολούθησης παραγόντων Βιολογικού Πολέμου, V. Koukoulas, <u>M. Chalaris</u> , <i>Hugeia@Ergasia</i> Scientific Edition of Hellenic Society of Occupational and Environmental Medicine (ISSN 1792-4731), Volume 12 Issue 3, 2021

4. Comparative study of the Methods Used for the Risk Analysis of Emergency Water Pollution Accidents, M. Chalaris, A. Giannopoulos, G. Koufioti, N. Stasinopoulos, A. Tezari, Ocean Journal of Chemical and Petroleum Engineering, 1(1):1-19. (ISSN: 2771-2311), 2021
5. Analysis of the Legal Framework on Hazardous Substances: A multilevel correlation between International, European and National Perspective, M. Chalaris, N. Stasinopoulos and A. Tezari, Journal of Engineering Science and Technology Review 14 (6) 169- 175, 2021
6. Security of Energy Infrastructure, M. Chalaris, Academia Letters (ISSN 2771-9359), 2021, Article 1116, <https://doi.org/10.20935/AL1116>
7. Battery hazards and safety: A scoping review for lead acid and silver-zinc batteries, S. Schismenos, M. Chalaris, G. Stevens, Safety Science, Vol. 140, 105290, 2021, <https://doi.org/10.1016/j.ssci.2021.105290>
8. Humanitarian Engineering at the Sustainability-Development Nexus: Mapping Vulnerability and Capability Factors for Communities at Risk of Water-Based Disasters, S. Schismenos, G. Stevens, D. Emmanouloudis, N. Georgeou, S. Shrestha, M. Chalaris, Sustainability Science, 2021, <https://doi.org/10.1007/s11625-020-00890-y>
9. Humanitarian engineering and vulnerable communities: hydropower applications in localised flood response and sustainable development, S. Schismenos, G. Stevens, D. Emmanouloudis, N. Georgeou, S. Shrestha, M. Chalaris, International Journal of Sustainable Energy, Vol. 39:10, 941-950, 2020, <https://doi.org/10.1080/14786451.2020.1779274>
10. A Disaster Resilience Approach Applying in a Smart City Concept, N. Stasinopoulos, M. Chalaris, Case Studies Journal ISSN (2305-509X), pp 64 -66, Volume 9, 2020, <https://www.preventionweb.net/publication/disaster-resilience-approach-applying-smart-city-concept>
11. Challenges and Lessons Learned from past major Environmental Disasters due to Technological or Wildland Urban Interface Fire Incidents S. Karma, S. Schismenos, D. Emmanouloudis, M. Chalaris, Full Article 30 p – Contributing Paper to GAR 2019 (ISBN/ISSN/DOI 978-92-1-004180-5), 2019, <https://www.undrr.org/publication/challenges-and-lessons-learned-past-major-environmental-disasters-due-technological-or>
12. Preparedness and Response to Nuclear Crisis Synopsis of Essential International Obligations and Cooperation Mechanisms, M. Chalaris, International Journal of Terrorism & Political Hot Spots, ISSN: 1932-7889, Vol. 12 Issue 1, p41-55. 15p., 2017
13. Chemical Incidents Impact in the Psychological Risks of Firefighters. An Analysis of the Findings for the Stress Factors in the Personnel of Hellenic Fire Corps, C. Patitsa, M. Chalaris, International Journal of Scientific & Engineering Research, ISSN 2229-5518, Volume 7, Issue 10, 2016
14. Nuclear and Radiological Incident Scenarios: Case Study Models at a Nuclear Research Reactor and at a Cobalt-60 Radiator in the Region of Attica-Greece, A. Lazani, M. Chalaris, International Journal of Novel Research in Civil Structural and Earth Sciences, ISSN 2394-7357, Vol. 2, Issue 3, 2015
15. Use of unmanned vehicles in search and rescue operations in forest fires: Advantages and limitations observed in a field trial, S. Karma, E. Zorba, G.C. Pallis, G. Statheropoulos, I. Balta, K. Mikedi, J. Vamvakari, A. Pappa, M. Chalaris, G. Xanthopoulos, M. Statheropoulos, International Journal of Disaster Risk Reduction 13:307–312, 2015, DOI: 10.1016/j.ijdr.2015.07.009 S.
16. Threats posed by CBRN Terrorism and the Role of the SEDM-CBSC Working Group in the Prevention and Response, S. Bokan, M. Chalaris, P. Stavrakakis, P. Sarafis, Journal of Environmental Protection and Ecology, P327- 332 Book 1, 2010
17. A new approach in the procedures of gas freeing and inspecting confined and enclosed spaces in maritime vessels, 3 P. Stavrakakis, M. Chalaris, P. Sarafis, G. Dourmas, Journal of Environmental Protection and Ecology p888-895 Book, 2010
18. South Eastern Europe Simulation Network (SEESIM): An example of regional cooperation in South Eastern Europe in the field of crisis response dealing with devastating emergencies and environmental disasters, natural or man-made, P. Stavrakakis, M. Chalaris, P. Sarafis, Journal of Environmental Protection and Ecology, p1119- 1130 Book 3, 2010
19. International treaties concerning Chemical and Biological agents. Their implementation in Greece, E. Bergele, M. Chalaris, Journal of Environmental Protection and Ecology, p499-505 Book 2, 2010
20. Assessing the threat of terrorist use of chemical, biological, radiological and nuclear weapons in the South East European Countries, M. Chalaris, P. Stavrakakis, P. Sarafis, Journal of Environmental Protection and Ecology, p485-498 Book 2, 2010
21. Sick-Building Syndrome, P. Sarafis, K. Sotiriadou, D. Dallas, P. Stavrakakis, M. Chalaris, Journal of Environmental Protection and Ecology, p515- 522 Book 2, 2010

22. Darkroom Disease, P. Sarafis, D. Dallas, K. Sotiriadou, P. Stavrakakis, M. Chalaris, Journal of Environmental Protection and Ecology, p506-514 Book 2, 2010

23. Temperature effects on the structure and dynamics of liquid Dimethyl Sulfoxide: A Molecular Dynamics study, M. Chalaris, S. Marinakis, D. Dallas, Fluid Phase Equilibria, B47-60, vol. 267(1)

CONFERENCES/WORKSHOPS/etc

1st International Conference on Sustainable Chemical and Environmental Engineering (SUSTENG 2022), Economic Evaluation and Environmental Impact Assessment for Treatment of Cheese Whey Pre-Wastewater Desalting, M. Kofidis, P. Rigas and M. Chalaris, *Computer-aided Process Design*, p 31/823892622, VBH, 2022, Crete, Greece

25th International TEMPERATURE Dependence of the Hydrogen Bonding in Supercritical Methanol, A Computer Simulation Study, D. Dallas, M. Chalaris, J. Samios, *J. Phys. Chem. B*, p 18575-18590, vol. 109(20), 2005, Corfu Hall, Greece

26. Translational and rotational dynamics in supercritical methanol from molecular dynamics simulation, M. Chalaris, J. Samios, Journal of Pure and Applied Chemistry, p 203-213, vol. 76(1), 2004

CONSEQUENCES FOR THE WORLD: What is the terrorist threat in cyber-space? Is this threat likely to grow in the coming decades, 28-29/4/2022, Dnipro, Ukraine

27. Molecular dynamics simulations of dilute aqueous DMSO solutions. A temperature-dependence study of the hydrophobic and hydrophilic behavior around DMSO, R. Mancera, M. Chalaris, K. Refson, J. Samios, Phys. Chem. Chem. Phys., p94-102, vol. 6, 2004

2nd Online International Conference on Applied Science & Engineering, *Interactions between Energy Security and Climate crisis: A focus on Eastern Mediterranean*, 11-12/4/2022, Virtual Conference.

28. The concentration effect on the hydrophobic and hydrophilic behaviour around DMSO in dilute aqueous DMSO solutions. A computer simulation study, R. Mancera, M. Chalaris, J. Samios, Journal of Molecular Liquids, p147-153, vol. 319, 2020

29. Molecular Dynamics Simulation of the liquid mixtures N, N –dimethylformamide – water using International Conference on Planning Challenge of Disaster Management and Resilient Communities, *The Suppression Strategies for Wildland Fires, The Utility of Aloha Simulation in Accordance with the Role of Computer-Aided Studies of the Liquid Mixture Carbon dioxide-methyl chloride Choosing different Selective Analytical Models, Thermodynamic and Transport Properties*, M. Chalaris, J. Samios, *Journal of Molecular Liquids*, p 399-409, vol. 98-99, 2002

30. Molecular Dynamics Simulation of the liquid mixtures N, N –dimethylformamide – water using International Conference on Planning Challenge of Disaster Management and Resilient Communities, *The Suppression Strategies for Wildland Fires, The Utility of Aloha Simulation in Accordance with the Role of Computer-Aided Studies of the Liquid Mixture Carbon dioxide-methyl chloride Choosing different Selective Analytical Models, Thermodynamic and Transport Properties*, M. Chalaris, J. Samios, *Journal of Molecular Liquids*, p 399-409, vol. 98-99, 2002

31. Systematic molecular dynamics studies of liquid DMF using optimized rigid force fields. Investigation of the thermodynamic, structural, transport and dynamic properties, M. Chalaris, J. Samios, *Journal of Chemical Physics*, p 8581- 8594, vol. 112 (19), 2000

32. Hydrogen Bonding in Supercritical Methanol. A Molecular Dynamics Investigation, M. Chalaris, J. Samios, *Journal of Physical Chemistry B*, p 1161-1166, vol. 103(7), 1999

33. A Molecular dynamics simulation study of Li⁺-Cl⁻ ion pair dissolved in DMF(-d7), M. Chalaris, J. Samios, *Journal of Molecular Liquids*, p 201 -215 vol. 78/3, 1998

34. Structural and dynamical properties of H₂O dissolved in CO₂ molecular dynamic study, G. Chatzis, M. Chalaris, J. Samios, *Chemical Physics*, p241-255, vol. 228, 1998

7th International Conference on Integrative Disaster Risk Reduction Management with the theme, “Heal the World, make it a Better, Safer Place”, *Lessons Learnt from recent mega-disasters in Europe*, 10 – 11/4/2021 Online Conference on via Zoom and Facebook Live - Eastern Samar State University - Borongan Campus Brgy. Maypangdan, Borongan City, Eastern Samar, Philippines

2th International Conference Intermodal Transports: Innovations in Planning, Management, Business Development & Decision Making, *Managing intermodal transportation of hazardous materials accident using free software applications*, 14-15/10/2021, Alexandroupolis, Greece

5th International Conference "Water resources and wetlands", *Integrated Ecosystem Ecology (Chlorophyll-A) of Eydap's Reservoirs Profiles by Using Robotic Boats*, 8-12/9/2021, Tulcea, Romania

The 8th Technium International Conference - “International Conference on Sustainable Future, Technology Development and Social Sciences”, *Scoping Review of the legal and regulatory framework for dangerous substances at International, European and National level*, 27-28/03/2021, Online Conference

2nd Scientific International Conference on CBRNe SICC Series 2020, *How real is the threat of terrorist use of weapons of mass destruction?\", \"Eu Preparedness and Research of Security for Cbrne Threats\", 10-12/12/2020, Online Conference*

SafeGreece 2020 – 7th International Conference on Civil Protection & New Technologies, <i>An Innovative Emergency Medical Regulation Model in Natural and Manmade Disasters, Novel Systems for Detection and Monitoring of Dangerous Substances in Water Environmental Sensitive Areas, I-React: Improving Resilience to Emergencies Through Advanced Cyber Technologies, I-React Rsra: Development of a Rapid Seismic Risk Assessment Tool That Integrates Instrumental, Crowdsourcing, Social Media Data and Empirical Vulnerability Novel Solutions for Command-and-Control Network for Disaster Management, Long-Distance Voice Messaging Systems (Clear Voice) During the Time of Natural and Manmade Disaster According to Health and Safety Regulations</i> , 14- 16/10/2020, Online Conference
1st International Conference for the Fire Protection of Structures (with respect for Human Life) Eugenides Foundation, <i>Wildland – Urban Interface: A Fire Risk analysis and mapping. Preventive Actions. Suggestions and Guidelines</i> , 7-8/02/2020, Athens, Greece
International Scientific Conference “Challenges and Strategies in Public Order and Safety” 8th Edition Police Academy, <i>Assessing the Skilful Use of Diplomacy as a Useful Tool to Increase a State’s Power and Influence, An Analysis of Terrorist Threat in Cyber-Space as an Emerging Threat, Study of Conditions That are Necessary for a Terrorist Organization or Group to Survive, Study and Evaluation of the Ways in Which Terrorist Organizations Seek to Exploit the Media, Terrorist Use of a Chemical, Biological or Radioactive Weapon Capable of Causing Widespread Death and Destruction: How Serious is the Threat?</i> , 5-6/12/2019, Bucharest, Romania
SafeCorfu 2019 – 6th International Conference on Civil Protection & New Technologies, <i>Analysis of Bleve Scenario in The Lpg Tank: A Case Study at the Kamena Vourla Incident, Smart Cities: Their Role in Protection from Natural and Man-Made Disasters, Illegal Immigration as a National Security Problem. The Greek Experience</i> , 6 – 9/11/2019, Corfu City, Greece
Workshop on "Trans - European Network for Coordination, Education and Training for Natural Disasters and Technological Risk mitigation, <i>Mati disaster in Attica, lessons to be learned</i> , 17-18/10/2019, Kavala, Greece
3rd annual ASHRAE Region XIV-Europe Regional Conference (CRC2019), <i>The ventilation of a building with the "eyes" of a firefighter</i> (https://www.ashrae.gr/crc2019-athens.php), 26-29/9/2019, Athens, Greece
Bilateral Workshop on Natural Disaster Management Awareness <i>Civil Protection in Greece. Status, problems, perspectives. The causes and mechanism of the homicidal Fire at Mati, Attica, Greece and its impact to the residents</i> , 10-11/7/2019, Haifa, Israel
Safekozani 2018, 5th International Conference on Civil Protection & New Technology, <i>Correlation of Forest Fires and Differentiated Humidity on Slopes (Windward and Leeward): Case Study of Nova Friburgo, Rj, Brazil, 2017, The Boilover Phenomenon: Requirements for its Development, Calculation of its Manifestation Time and Firefighting Tactics, Disaster Preparedness & Response for Vulnerable Groups of Population: Evacuation Planning of Critical Infrastructures in Case of an Earthquake or a Fire for People with Disabilities , A Database Development in Nova Friburgo Town for Analysis and Complementation of the Mapping Methodology Proposed in the Gides’s Project, Renewable Energy and Drones in Search and Rescue: Automated Network for Air-Sea Actions, Renewable Energy Generated by the Impacts of Natural and Accidental Water-Based Disasters</i> , 2018, Kozani, Greece
Annual European Fire Service Colleges’ Association (EFSCA) 18 Conference. The conference theme was "Different Training Models for Volunteer Firefighters", <i>Training of Volunteer Fire-fighters & Volunteer Teams at the Hellenic Fire Corps</i> , 29-31/5/2018, Carcavelos, Portugal
Horizon 2020 ALIVE Conference SWAN Conference Room (Research Center for Soil & Water Resources and Natural Disaster Prevention, National Yunlin University of Science and Technology), <i>Challenge and Opportunity in H2020</i> , 6-7/2/2018, Taiwan
Horizon 2020 ALIVE Conference SWAN Conference Room (Research Center for Soil & Water Resources and Natural Disaster Prevention, National Yunlin University of Science and Technology), <i>Fire Corps in Anthropogenic Disasters Management: Research Opportunities Between Greece and Taiwan</i> , 6-7/2/2018, Taiwan
Taiwan-Greece Forum on Disaster Management Practices and Technologies Central Police University, <i>Hellenic Fire Corps and Anthropogenic Disasters Management</i> , 9/2/2018, Taiwan

International Symposium Ecohydrology for The Circular Economy and Nature-Based Solutions Towards Mitigation/Adaptation to Climate Change, <i>Innovative Techniques to Detect the Existence of Discontinuities in River Embankments Due to Mammalian Action</i> , 26-28/9/2017, European Regional Centre for Ecohydrology of the Polish Academy of Sciences 3 Tylna Str., 90-364 Lodz, Poland
International Association for Blended Learning Conference - IABL 2016 Conference, <i>Challenges and Particularities of Implementing a Blended Learning MSc Program: Analysis and Management of Manmade and Natural Disaster</i> , 22-24/04/2016, Kavala, Greece
XVIth Scientific Conference with International Participation - SIGPROT 2013-2014, Police Academy "Alexandru Ioan Cuza", <i>Basics Principles of Personnel' S Safety in Forest Fires</i> , 15-16/5/2014 Fire Officers Faculty Bucharest, Romania
XVth Scientific Conference with International Participation Sigprot-2012-2013, <i>Chemical incidents impact in the psychosocial risks of firefighters. An analysis of the findings for the stress factors in the personnel of hellenic fire corps</i> , 17/05/2013, Bucharest, Romania
Xvth Scientific Conference with International Participation Sigprot-2012-2013, <i>Nuclear and Radiological Incident Scenarios: Case Study Models at a Nuclear Research Reactor and at a Cobalt-60 Radiator in The Region of Attica-Greece</i> , 17/05/2013, Bucharest, Romania
The XVth Scientific Conference with International Participation Sigprot-2012-2013, <i>Enormous fire at "Chyma" bulk chemical terminal: Evaluation of an incident's management and environmental impact assessment</i> , 17/05/2013, Bucharest, Romania
The XVth SCIENTIFIC CONFERENCE WITH INTERNATIONAL PARTICIPATION SIGPROT-2012-2013, <i>Enormous fire at "Chyma" bulk chemical terminal: Evaluation of an incident's management and environmental impact assessment</i> , 17/05/2013, Bucharest, Romania
Conference 2013 EXPOSEC- DEFENSE WORLD: Building Strategic Alliances, <i>Civil Protection and Crisis Management to HazMat & CBRN incidents</i> , 3-4/04/2013, Athens, Greece
International Conference on Tackling Undeclared Work in the EU (The Conference was co-organised and co-sponsored by Eurofound, MLSP and the ITC of the ILO as part of the project 'Support to MLSP of the Republic of Bulgaria for Human Resource Development in the SEE countries'), <i>Labour administration and the informal economy: challenges, experiences and trends</i> , 30/09/2010, Sofia, Bulgaria
Health and safety strategy for firefighters in the european mediterranean area grant agreement vs/2008/0286 accounting n° si2.504381, Health and Safety standards for fire-fighters in Greece, 13-14/05/2009, Madrid, Spain
Adriatic and ionian initiative chairmanship of the hellenic republic june 2008 – may 2009 round table on cooperation against fire, <i>Protection against fire at touristic areas – Information and Protection of Tourists</i> , 05/03/2009, Athens, Greece
4th Annual Hazmat/CBRNE Responders Conference Moreton-in-Marsh, <i>Hellenic Fire Service Response to HazMat & CBRN</i> , 18-19/9/2008, UK
Athens S.E.E.SIM-08 International Conference, <i>Hellenic Incident Command System For Confrontation of C.B.R.N. Threats : The Role of Fire Service</i> , 20-22/5/2008, Athens, Greece
On-Site Analysis – HomeLand Security ...the lab comes to the field 16th International Conference, <i>Mapping First Responders Needs in Chemical Detection and Chemical-Biological Sample Collection on WMD incidents</i> , 27-30/1/2008, Baltimore Maryland, U.S.A.
5th International Conference of the Chemical Societies of the South-East European Countries on Chemical Sciences at the European Crossroads, <i>Statistical mechanical studies via computer simulation techniques (MD-MC) to research molecular fluids</i> , 10-14/9/2006, Ohrida, FYROM
International Conference of Computational Methods in Sciences and Engineering 2005, Vol 4 p85, <i>Statistical mechanical study of dimethyl-sulfoxide/water eutectic mixture by molecular dynamics simulation</i> , 24-26/10/2005, Loutraki, Corinth
International Conference of Computational Methods in Sciences and Engineering 2004, Vol I p110, <i>Hydrogen Bonding in Aqueous Mixtures Containing Aprotic Solvents: A Computer Simulation Study</i> , 19 - 23/11/2004 Athens, Greece
Conference on "International Terrorist Threats of the Olympic Games – The International Counter – Terrorism Academic Community Perspective", <i>Risk assessment for Technological Catastrophes</i> , 24-25/02/2004 Athens, Greece

EMLG/JMLG annual meeting (sponsored by IUPAC), “Novel Approaches to the Structure and Dynamics of Liquids: Experiments, Theories and Simulations”, <i>Book of Abstracts p 157, Hydrogen Bonding in Supercritical Alcohols: A Computer Simulation Study</i> , 07-15/11/2002, Rhodes, Greece
European Research Conference on Molecular Liquids organised by European Science Foundation, <i>Structure and Hydrogen Bond Analysis of DMF in Aqueous Solutions by Computer Simulations</i> , 7-12/09/2001, Obernai, France
Europhysics Conference on Computational Physics 2001, Book of Abstracts (NIC Series vol. 8, ISBN 3-00-008236-0) p B85, <i>Molecular dynamics simulation study of N,N-dimethylformamide-water solutions</i> , 5-8/9/2001, Aachen, Germany
European Congress of Fire Service Officers Athens, <i>Statistical Analysis of the results in fire fighter's accidents</i> , 26-27/04/2001, Greece
Annual Conference on the Physical Chemistry of Liquids: Molecules – Macromolecules – Biomolecules of EMLG. Book of Abstracts p 72, <i>Molecular Dynamics Simulation of Aqueous Binary Mixtures : Dimethylsulfoxide (DMSO) and Acetonitrile (AN)</i> , 08-13/ 09/ 2000, Regensburg, Germany
2nd International Conference of the Chemical Societies of the South-East European Countries, Book of Abstracts p 172, vol II, <i>Molecular Dynamics Simulation of Hydrogen Bonding in Acetonitrile –Water mixtures: A Comparison Between Available Water Potentials</i> , 6-9/ 06/ 2000, Halkidiki, Greece
2nd International Conference of the Chemical Societies of the South-East European Countries, Book of Abstracts p 374, vol I, <i>Molecular Dynamics Simulation Study on Alkali-Metal (Li+, Na+, K+, Rb+, Cs+) Chloride (Cl-) solutions in Dimethylsulfoxide at 298K</i> , 6-9/ 06/ 2000, Halkidiki, Greece
European Research Conference on Molecular Liquids organised by European Science Foundation, <i>Temperature and Pressure Dependence of thermodynamic, structural, dynamic properties and hydrogen bonding in supercritical methanol</i> , 3-8/09/1999, Sain Feliu de Guixols, Spain
International Scientific Conference: «Fires in the Mediterranean forests: Prevention-Suppression-Soil erosion-Reforestation» (Unesco-Foreign Affairs Of Greece-Unep-Mab-G.S Of Forests), <i>Basic principles in forest's fire</i> , 3-6/02/1999, Athens, Greece
1st International Conference of the Chemical Societies of the South-East European Countries, Book of Abstracts p 298, vol I, <i>A Molecular Dynamics Simulation study of pure liquid DMSO and Li+-Cl- ion pair dissolved in DMSO</i> , 1-4/ 06/ 1998, Halkidiki, Greece
Euroconference with title <Dynamics of Complex Molecular Liquids. Computer Simulations and Experiment>, <i>Molecular Dynamics Simulations of Hydrogen Bonding in DMSO-Water mixtures. A comparison between available water potentials</i> , 24-29/5/1998, Vaalsbroak, Netherlands
European Research Conference on “Molecular Liquids”, (European Science Foundation), <i>Molecular Dynamics Simulation study of pure liquid DMF and LiCl dilute in DMF (-d7)</i> , 5-10/9/1997, Aghia Pelagia, Crete, Greece
25th International Conference on Solution Chemistry (IUPAC - sponsored), Book of abstracts pages 26, <i>Thermodynamic, structural and dynamic properties of “DMSO - H2O” mixture at different Temperatures and concentrations. A Molecular Dynamics Simulations</i> ”, 26-31/8/1997, Vichy, France
9ο Συνέδριο Security Project 2022 “Empowering Security Transformation”, <i>Διαχείριση Κινδύνων, Φυσικών και Ανθρωπογενών Κρίσεων σε Εργασιακούς χώρους με υψηλή πυκνότητα πληθυσμού</i> , 18/3/2022, Αθήνα, Ελλάδα
SAFED: «Το έργο SAFED και η σημασία του στον τομέα της πυρασφάλειας στην Ελλάδα», <i>Η εξ αποστάσεως εκπαίδευση ως εργαλείο κατάρτισης για τα μέλη των εθελοντικών ομάδων πολιτικής προστασίας: Μελέτη περίπτωσης η χρήση της πλατφόρμας SAFED από ελληνικές εθελοντικές ομάδες</i> , 22 /03/ 2021, Online Conference
Virtual All Things Security Conference 2021, <i>Ευρωπαϊκή πλατφόρμα (I-REACT) για την ενσωμάτωση δεδομένων διαχείρισης έκτακτης ανάγκης</i> , 27/1/2021, Online Conference
1st International Interdisciplinary Online Conference “The Traffic Society” Considering parameters for tomorrow's mobility, <i>Accident management in dangerous goods transportation chain on roads</i> , 29-31 /05/2020, Online Conference
Safety & Security Conference, <i>Σχέδιο έκτακτης ανάγκης εργασιακών χώρων και εκκένωση αυτών στην περίπτωση ατόμων με αναπηρία</i> , 28/2/2019, Αθήνα, Ελλάδα

11 ^ο Συνέδριο «Αερομεταφορες - Παρον Και Μελλον» International Aviation Conference, <i>Τεχνολογία και Χρήση Μη επανδρωμένων Εναέριων Μέσων για Έρευνα και Διάσωση σε Σενάριο Προσομοίωσης Δασικής Πυρκαγιάς</i> , 9/5/2017, Αθήνα, Ελλάδα
Συνέδριο -Δημερίδα: Υγεια Και Ασφαλεια Στην Εργασια & Πολιτικη Προστασια που συνδιοργανώθηκε από το Σύλλογο Τεχνικών Ασφαλείας Ελλάδος (Σ.Τ.Α.Ε) και την Περιφέρεια Αττικής, <i>Παρουσίαση καινοτόμων εκπαιδευτικών προγραμμάτων τεχνολογικών δυνατοτήτων στον χώρο της Α.Υ.Ε. και της Πολιτικής Προστασίας</i> , 14-15/10/2016, Αθήνα, Ελλάδα
Process Safety Management Conference 2016, <i>Ανθρωπογενή Ατυχήματα στον Βιομηχανικό κλάδο</i> , 04/07/2016, Αθήνα, Ελλάδα
3ο Πανελλήνιο Συνέδριο Πολιτικής Προστασίας «Safe Enros 2016: «Οι νέες τεχνολογίες στην υπηρεσία της Πολιτικής Προστασίας», <i>Καθορισμός Ζωνών Προστασίας Σε Περίπτωση Βιομηχανικού Ατυχήματος Μεγάλης Έκτασης (Β.Α.Μ.Ε.). Μελέτη Περίπτωσης Βιομηχανίας Φωσφορικών Λιπασμάτων (Βφλ) Καβάλας</i> , 22-24/06/2016, Αλεξανδρούπολη, Ελλάδα
3ο Πανελλήνιο Συνέδριο Πολιτικής Προστασίας «Safe Enros 2016: «Οι νέες τεχνολογίες στην υπηρεσία της Πολιτικής Προστασίας», <i>Πυρκαγιές Σε Κέντρα Διαλογής Ανακυκλώσιμων Υλικών (ΚΔΑΥ): Μελέτη Περίπτωσης Για Το Συμβάν ΚΔΑΥ Ασπροπύργου</i> , 22-24/6/2016, Αλεξανδρούπολη, Ελλάδα
4ο Συμπόσιο Επαγγελματικής Υγείας, «Η υγεία των Ελλήνων υπό το φως των νέων επιδημιών», <i>Αποτίμηση του επαγγελματικού κινδύνου στην Ελλάδα μέσα από τα στοιχεία του ΣΕΠΕ</i> , 28/03/2012, Αθήνα, Ελλάδα
Σύγχρονο Εργασιακό Περιβάλλον και Ασφαλιστική Μεταρρύθμιση Boussias Conferences , <i>Εργασιακές Συνθήκες: Οι επιπτώσεις από την εφαρμογή του νέου εργατικού νόμου</i> , 20/06/2011, Αθήνα, Ελλάδα
17th International Congress of Physical Education & Sport, <i>F. Katsavouni , P. Malliou, A. Beneka, A. Gioftsidou, Ch. Papadopoulos, I. Karakis, A. Plageras, M. Chalaris, G. Gkodolias Exercise and Low Back Pain in Firefighter</i> , 22/05/2009, Δημοκρίτειο Πανεπιστήμιο Θράκης
Κοινωνική και Ιατρική συνιστώσα – Τραυματισμοί από πυροβόλα όπλα & από την εκτόνωση εκρηκτικών υλικών, μηχανισμών και όπλων, <i>Εκτόνωση καύσιμης ύλης. Μικτές Βλάβες εξ αυτής</i> , 23-25/05/2008, Καμμένα Βούρλα, Ελλάδα
7ο Πανελλήνιο Συνέδριο Δημόσιας Υγείας και Υπηρεσιών Υγείας , « Περιβάλλον και Δημόσια Υγεία», <i>Ο ρόλος των Ο.Τ.Α. στην προστασία της Δημόσιας υγείας και στη διαχείριση των μαζικών απωλειών μετά την εκδήλωση Χημικού – Βιολογικού Συμβάντος</i> , 17-19/03/2008, Αθήνα, Ελλάδα
3ο Περιβαλλοντικό Συνέδριο Μακεδονίας, <i>Εκτίμηση κινδύνου Χημικών, Βιολογικών, ραδιολογικών και Πυρηνικών (Χ.Β.Ρ.Π.) ουσιών στην Ελλάδα</i> , 14-17/03/2008, Θεσσαλονίκη
3ο Περιβαλλοντικό Συνέδριο Μακεδονίας, <i>Διεθνείς Συμβάσεις για χημικές και βιολογικές ουσίες. Η εφαρμογή τους στην Ελλάδα</i> , 14 -17/03/2008, Θεσσαλονίκη, Ελλάδα
3ο Περιβαλλοντικό Συνέδριο Μακεδονίας, <i>Βιολογικά και Χημικά Συμβάντα: Ο ρόλος των Ο.Τ.Α. στην προστασία της Δημόσιας υγείας και στη διαχείριση των μαζικών απωλειών</i> , 14 -17/03/2008, Θεσσαλονίκη
Ινστιτούτο Επιμόρφωσης /ΕΚΔΔΑ/ Υπουργείο Εσωτερικών «Εκτίμηση και Αντιμετώπιση Φυσικών Κινδύνων», <i>Πυροσβεστικό Σώμα: Δομή και Αρμοδιότητες στην Αντιμετώπιση Φυσικών και Τεχνολογικών Απειλών</i> , 21 – 23 /11/ 2007, Αθήνα, Ελλάδα
20ο Πανελλήνιο Συνέδριο Χημείας, <i>Μελέτη Ιδιοτήτων Κρυοπροστατευτικών μικτών διαλυτών: Στατιστική Μηχανική Μελέτη μέσω Μοριακών Δυναμικών Προσομοιώσεων του υγρού μίγματος (1:2) DMSO – H₂O</i> , 20 -23 /09/2005, Ιωάννινα, Ελλάδα
8ο Συνέδριο Χημείας Κύπρου-Ελλάδας, <i>Το Ελληνικό πρότυπο στην Στρατηγική Αντιμετώπισης Χημικών, Βιολογικών, ραδιολογικών και Πυρηνικών (Χ.Β.Ρ.Π.) Απειλών</i> , 10 -13/12/2004, Θεσσαλονίκη, Ελλάδα
8ο Συνέδριο Χημείας Κύπρου-Ελλάδας, <i>Στατιστική Μηχανική θεώρηση και Μοριακές Προσομοιώσεις MD-MC στην περιγραφή μοριακών συστημάτων</i> , 10 -13/12/2004, Θεσσαλονίκη, Ελλάδα
8ο Συνέδριο Χημείας Κύπρου-Ελλάδας, <i>Στατιστική Μηχανική Μελέτη μέσω Μοριακών Δυναμικών Προσομοιώσεων της μεταφορικής και Περιστροφικής κίνησης των συστατικών του υγρού μίγματος (1:3) DMSO – H₂O</i> , 10 -13/12/2004, Θεσσαλονίκη
6ο Ευρωπαϊκό Συνέδριο: Τρομοκρατία: Στρατηγικές και Τακτικές Αντιμετώπισης Νέων Μορφών Τρομοκρατίας, <i>Στρατηγική αντιμετώπισης κρίσης σε ΧΒΡΠ επεισόδιο (ελληνικό πρότυπο)</i> , 11 -12/3/2004, Αθήνα

1ο Πανελλήνιο συνέδριο φοιτητών Χημείας, <i>Συνθετική παρουσίαση των αποτελεσμάτων έρευνας για την επαγγελματική ένταξη των νέων Χημικών στην Ελλάδα</i> , 9 -11/ 5/2003, Αθήνα
3ο Πανελλήνιο Συνέδριο Προαγωγής και Αγωγής Υγείας, Παρουσίαση στο στρογγυλό τραπέζι με θέμα «Ατυχήματα-Αυτοπροστασία», <i>Πως μπορεί ο πολίτης να αυτοπροστατευτεί από την πυρκαγιά</i> , 05-07/12/2002, Αθήνα
19ο Πανελλήνιο Συνέδριο Χημείας, <i>Στατιστική Μηχανική μελέτη μέσω μοριακών δυναμικών προσομοιώσεων πρωτοταγών αλκοολών στην υπερκρίσιμη περιοχή</i> , 06-10/11/2002, Ηράκλειο Κρήτης
19ο Πανελλήνιο Συνέδριο Χημείας, <i>Στατιστικά στοιχεία για τις επαγγελματικές δραστηριότητες των Χημικών στην Ελλάδα & Συνθετική παρουσίαση των αποτελεσμάτων έρευνας για την επαγγελματική ένταξη των νέων Χημικών στην Ελλάδα</i> , 06-10 Νοεμβρίου 2002, Ηράκλειο Κρήτης
1ο Συμπόσιο με τίτλο: «Αλλαγές στους Τομείς Επαγγελματικής Απασχόλησης των Χημικών και οι Εξελίξεις στην Επιστήμη της Χημείας», <i>Στατιστικά στοιχεία για τις επαγγελματικές δραστηριότητες των Χημικών στην Ελλάδα</i> , 29-31/3/2002, Αθήνα
7ο Συνέδριο Χημείας Κύπρου-Ελλάδας, <i>Μελέτη των υδατικών διαλυμάτων NaCl και KI μέσω της Μοριακής Δυναμικής Προσομοίωσης</i> , 8-11/11/2001, Λευκωσία, Κύπρο
7ο Συνέδριο Χημείας Κύπρου-Ελλάδας, <i>Στατιστική Μηχανική μελέτη μέσω Μοριακών Δυναμικών Προσομοιώσεων υδατικών διαλυμάτων πολικών-απρωτικών διαλυτών: DMSO, DMF, CH₃CN, (CH₃)₂CO</i> , 8-11/11/2001, Λευκωσία, Κύπρος
18ο Πανελλήνιο Συνέδριο Χημείας, <i>Στατιστική Μηχανική μελέτη των ιδιοτήτων του υγρού μοριακού συστήματος "N,N Διμεθυλοφορμαμιδιο(DMF)-Νερό(H₂O)" με τη μέθοδο της Μοριακής Δυναμικής Προσομοίωσης</i> , 10-13/3/2001, Πειραιάς
6ο Συνέδριο Χημείας Ελλάδας - Κύπρου, <i>Μελέτη της επίδρασης της μεταβολής της συγκέντρωσης στο φαινόμενο της δημιουργίας δεσμών υδρογόνου και των ιδιοτήτων του μίγματος DMSO -H₂O με τη μέθοδο της μοριακής δυναμικής προσομοίωσης</i> , 2-5/9/1999, Ρόδος
1ο Πανελλήνιο Συνέδριο «Η διδακτική της Χημείας στη Δευτεροβάθμια Εκπαίδευση» (Πανεπιστήμιο Αθηνών - Ε.Ε.Χ.), <i>Η αξιοποίηση των Ηλεκτρονικών Υπολογιστών(H/Y) με την εφαρμογή απλών λογισμικών στην επίλυση του προβλήματος της διαλυτότητας ουσιών. Μία Θεωρητική προσέγγιση για τη δευτεροβάθμια Εκπαίδευση</i> , 4-6/12/1998, Αθήνα
2ο Συμπόσιο Ινστιτούτου Φυσικοχημείας, <i>Στατιστική μηχανική μελέτη των ιδιοτήτων του υγρού μοριακού συστήματος DMSO με την ανάπτυξη νέου μοντέλου μοριακών αλληλεπιδράσεων και τη χρήση της μεθόδου της Μοριακής Δυναμικής Προσομοίωσης</i> , 3-5/12/1997, Αθήνα
17ο Πανελλήνιο Συνέδριο Χημείας, <i>Μελέτη διαλυμάτων NaCl και KI στον απρωτικό διαλύτη διμεθυλοσουλφοξείδιο (DMSO) με τη μέθοδο της Μοριακής Δυναμικής Προσομοίωσης</i> , 1-5/12/1996, Πάτρα
5ο Συνέδριο Χημείας Κύπρου-Ελλάδας, <i>Στατιστική Μηχανική μελέτη των ιδιοτήτων του υγρού μίγματος 'DMSO - H₂O' με τη μέθοδο της Μοριακής Δυναμικής Προσομοίωσης</i> , 4-7/9/1996, Λευκωσία

MEMBERSHIPS & REVIEWING ACTIVITIES

2022	External Member of the adjudication committee for the dissertation defense of Ph.D. Candidate Mr. Ioannis Adamopoulos (F20182523) to examine a doctoral dissertation with the topic "Public health and Occupational Safety study: Inspection of job risks context, burn out syndrome and job satisfaction of public health inspectors in Greece in the frame of the COVID-19 pandemic". Department of computer science and engineering, School of sciences, European University Cyprus
2021	Member of the examination committee for the dissertation defense of Ph.D. Candidate Mr. G. X. Kafoutis, Department of Civil Engineering, School of Engineering, Democritus University of Thrace

2015 -	<p>Editorial Board at: Prevention and Treatment of Natural Disasters (5/2022 -) Journal of Health and Environmental Research (11/2021 -...) Ocean Journal of Chemical and Petroleum Engineering (11/2021 -...) International Journal of Multidisciplinary Academic Research (10/2021 -...) HYGEIA@ERGAZIA SCIENTIFIC EDITION OF HELLENIC SOCIETY OF OCCUPATIONAL AND ENVIRONMENTAL MEDICINE (ISSN 1792-4731) (4/2021 - ...) SCIREA Journal of Safety Science and Technology (2015 - ...) SCIREA Journal of the Environment (2015 - ...) & CBRNE-Terrorism Newsletter (2010 - ...) He is a Reviewer in more than 10 scientific journals (Elsevier, MDPI, Springer, Nova, Taylor & Francis, etc).</p>
2018 -	<p>The Greek market, recognizing his career in the field of Risk Management, Health & Safety, Safety and Security, and the provision of Safety and Protection Services by individuals, has rewarded him by inviting him for many years to the Judging Committees of the Fire & Emergency, Security and Occupational Health & Safety Awards.</p> <ul style="list-style-type: none"> - Member of the Judging Committee of the Health & Safety Awards 2018, 2019, 2020, 2021 & 2022. - Member of the Judging Committee of the Security Excellence Awards 2019. - Chairman of the Judging Committee of the Fire & Emergency Excellence Awards 2020 - Chairman of the Judging Committee of the Security & Fire Awards 2021
2020 -	Member of the Scientific Committee of Analysis & Management of Natural Disasters and Technological Risks Laboratory (Assist Lab), International Hellenic University, Greece
2016 -	Member of the Scientific Committee of UNESCO Chair on Conservation and Ecotourism of Riparian and Deltaic Ecosystems, International Hellenic University, Greece
2005 -	Member of Hellenic Green Chemistry Network
2005-2008	Member in the committee of Physical and Biophysical Chemistry of IUPAC

TEACHING ACTIVITIES

2021 -	<p>Tenure Track Assistant Professor, Undergraduate courses: History of Physical Sciences, 1st semester (fall) Physical Chemistry II (Chemical Kinetics, transport phenomena and Statistical Mechanics) 3rd semester (spring) Physical Chemistry Laboratory, 3rd semester (spring) Occupational Health and Safety in the Chemical Industry, 5th semester (fall) Physical chemistry of surfaces, 7th semester (fall) Department of Chemistry, International Hellenic University, Greece.</p>
2015 -	<p>Adjunct Professor, PostGraduate courses: Technological disaster and environmental emergencies (2015 – until now), (spring semester), Interinstitutional Interdepartmental MSc “Analysis and Management of Manmade and Natural Disasters”, Fire Officers Faculty, Hellenic Fire Academy and International Hellenic University, Greece. Hazard Identification & Risk Management (2018 – until now), (fall semester), M.Sc in Oil and Gas Technology, Department of Chemistry, International Hellenic University, Greece.</p>
1999 – 2021	<p>Adjunct Professor, Undergraduate courses: General Chemistry (2013-2017, 2007-2010 & 2000-2004) Health and Safety in Fire Operations (2017-2021) Fuel Fires (2017-2021) Fire Officers Faculty, Hellenic Fire Academy, Greece</p>
2017 - 2021	Adjunct Professor, yearly undergraduate course CBRN Threats, Military Nursing Academy (SAN), Greece
2005 -	Tutor at the National School of Public Administration and Local Government (ESDDA) (2005 – until now) and a certified trainer by National Organization for the Certification of Qualifications & Vocational Guidance (EOPPEP) (1996 – until now)

SUPERVISION OF GRADUATE STUDENTS & POSTDOCTORAL FELLOWS <i>(if applicable)</i>	
2022 -	PostDoc Theses (1): In progress: N. Iliopoulos, “Climate crisis, analysis of fire-meteorological data and development of an algorithm for predicting the impact of the consequence of forest fire burning products. Implementation at strategic, tactical, and operational level of the policies of the European Civil Protection Mechanism”, PostDoc thesis, Department of Chemistry, International Hellenic University, Greece.
2021 -	PhD Theses (5): In progress (10/2021-): S. Papagianni, “Industrial recovery of critical metals from secondary sources”, PhD thesis, Department of Chemistry, International Hellenic University, Greece. In progress: A. Kokolakis(10/2021-), “Study of liquid systems behaviour and properties with use of molecular simulations”, PhD thesis, Department of Chemistry, International Hellenic University, Greece. In progress: N. Stasinopoulos (11/2021-), “Computational methods in crisis and accident management during the transport of hazardous chemical substances in the Mediterranean region” PhD thesis, Department of Chemistry, International Hellenic University, Greece. In progress: A. Koufou(4/2022-), “«Study of chemical warfare substances through Molecular Simulations and optimization using Machine Learning techniques”, PhD thesis, Department of Chemistry, International Hellenic University, Greece. In progress: G. Varras(4/2022-), “Production and storage of green hydrogen in Greek islands”, PhD thesis, Department of Chemistry, International Hellenic University, Greece.
2016 -	Master Students/ PostGraduate Theses (21) Already they completed fourteen (14) M.Sc theses at Interinstitutional Interdepartmental MSc “Analysis and Management of Manmade and Natural Disasters”, Fire Officers Faculty, Hellenic Fire Academy and International Hellenic University, Greece. and one (1) at M.Sc in Oil and Gas Technology, Department of Chemistry, International Hellenic University, Greece. In progress: five (5) M.Sc theses at Interinstitutional Interdepartmental MSc “Analysis and Management of Manmade and Natural Disasters” Fire Officers Faculty, Hellenic Fire Academy and International Hellenic University, Greece. One (1) M.Sc thesis at M.Sc in Oil and Gas Technology, Department of Chemistry, International Hellenic University, Greece.

FELLOWSHIPS and AWARDS	
1997 - 1998	Fellowship to carry out a research project, Institute of Electronic Structure and Laser of the Foundation for Research and Technology-Hellas (IESL-FORTH)
2000 - 2010	He has been awarded three (3) Moral and financial rewards (2001, 2005 & 2010) because he demonstrated exceptional activity working under adverse conditions, exceeding the limits of his well-intentioned duty and because he worked with zeal, willingness, determination, putting his physical integrity at immediate risk and exceeding the limits of his well-intentioned duty, thus becoming the focus of admiration of the bystanders and the media, and elevating the prestige of the Hellenic Fire Corps.

RESEARCH GRANTS			
Project Title	Funding source	Period	Role of the PI
Building Ecosystem Integration Labs at HEI to foster Smart Specialization and Innovation on Sustainable Raw Materials - HEI4S3-RM	EU	7/2022 – 6/2024	Deputy Scientific Coordinator on behalf of International Hellenic University and WP leader at the project
Smart Education and Training Program for central and local government servants: Embrace Vulnerability as our Greatest Strength and Innovative tools for Risk Management. - SETOFF	EU	2/2022 – 1/2025	Project Coordinator
Modern Tools for wildfires and Floods' Risk punctual forecast and monitoring and innovative techniques for citizens' safeguard awareness and preparedness - PREVENT – T	Co Funded EU and National resources of the participating countries Greece-North Macedonia	2/2022 – 6/2023	Deputy Project Coordinator and WP leader at the project
Accelerated training of teachers in the implementation of distance education (holistic approach) – T4E	Co-funded by Greece and the European Union (European Social Fund).	2021	Member of the scientific team of the Department of Chemistry, International Hellenic University
Training and Knowledge Sharing Platform for First Responders and Educational Tools for students' and citizens' awareness and preparedness against Natural and Manmade Disasters and Risks - RESISTANT	EU	1/2021 - 9/2022	Leader and Scientific advisor of one of the partners of the project
Search and Rescue: Emerging technologies for the Early location of Entrapped victims under Collapsed Structures and Advanced Wearables for risk assessment and First Responders Safety in SAR operations - SnR	EU	7/2020 – 6/2023	WP leader at the project

SCIENTIFIC ACHIEVEMENTS

He is the author of the monograph/book entitled “A Strategic Evaluation of Energy Security in the Eastern Mediterranean” which was published by Nova Science Publishers, Inc., 2021, ISBN: 978-1-53619-273-5 (Scopus indexed). He was invited lecturer on the following undergraduate courses at the School of Chemical Engineering of NTUA: Modern Techniques of Chemical Analysis, 3rd semester (spring) (2021-2022, 2020-2021), Safety of Industrial Installations, 9th semester (fall), (2018 -2019, 2017-2018) and on the the following Postgraduate courses: Risk Analysis and Port Security, Spring Semester, at MSc in Port Organization, Operation, Development and Management, University of West Attica (2021-2022, 2020-2021, 2019-2020), Design, Implementation, Evaluation in Occupational Safety, Sprig Semester, at MSc in Health and Safety at Work, Democritus University of Thrace (2020-2021).

Moreover, he has more than 35 Announcements (Invited) in International Conferences and 73 invited presentations at advanced research workshops, and more than 1000 hours on several advanced training courses (2000 - ...).

Prof. Chalaris is a program committee member of several international conferences. He has participated at 9 international conferences as member of organizing Committee and at 14 conferences as member of

scientific committee. Furthermore, he was advisory board of the organizing committee of the 35th International Chemistry Olympiad held in Athens 04-15 July 2003. He has organized/coordinated as chairman the following conferences:

α) International Conference on Planning, Challenges of Disaster Management and Resilience which take part by distance using the zoom platform and YouTube and with physical presence in Athens, HYBRID, February 11-13, 2022, b) International Conference Enceladus 2019 on: "Earthquake: Prevention, Disaster Management & Infrastructure Resilience ", 8-10/3/2019, Athens Greece, c) AQUA 2005: International Conference on New Water Culture, 21-23/10/2005, Athens Greece, d) 1st Symposium: "Changes in the professional fields of employment of Chemists and developments in the science of Chemistry" (Athens, 29-30-31 March 2002). He has organized/coordinated several advanced training courses and advanced research workshops.

Editor in Chief of the book entitled Novel Approaches in Risk, Crisis, and Disaster Management (Nova Science Publishers, Inc. ISBN: 978-1-53613-239-7, 2018). He has been President of Association of Greek Chemists (AGC) (2004-2005) and he has been member of the Governing Board of AGC (1997-2009). He was (i) member of Working Group Education and Training (2013 -2018) and (ii) of Hazmat Commission (2018 – 2019) of CTIF, (iii) Chairman of the National Committee for Examination of Proposals for the participation of the Hellenic Fire Corps in research programs (2014-2018), (iv) member of National council of policy and control of foods. under the ministry of development (2006-2010), (v) member of national council of health and safety at work. under the ministry of labor and social affairs (1999-2010). Moreover, participate as full parties in a Consortium for Research, Education, Advanced Technologies & Environment (CREATE) which is an International Consortium for Research and Innovation. He works closely with the Humanitarian and Development Research Initiative (HADRI) at Western Sydney University (Australia).

Also, Head or Member in more than 6 Committees of the Department of Chemistry and School of Science at International Hellenic University. He has taken part in interviews and discussions on TV regarding issues relevant to his expertise. He is a regular author of relevant articles for the daily press and journals.