



Ilias Karachalios

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👤 **Scholar**: https://scholar.google.com/citations?view_op=list_works&hl=el&hl=el&user=SdBbLM4AAAAJ

Gender: Male **Date of birth**: 05/11/1980 **Nationality**: Greek

WORK EXPERIENCE

[29/09/2024 – Current]

Lecturer

Democritus University of Thrace (DUTH), School of Education Sciences

City: Alexandroupoli | **Country**: Greece

[Democritus University of Thrace](#), School of Education Sciences, Department of Education Sciences in Early Childhood

- [Environmental Education, Sustainability and Sustainable Development](#)
- [Environmental Issues in Education](#)
- [Concepts of Science in Early Childhood](#)
- [Teaching and Learning of Science for Early Childhood](#)

[01/07/2023 – Current]

Senior Researcher

National Technical University of Athens (NTUA), School of Civil Engineering

City: Athens | **Country**: Greece

- Project Management (Coordinator) of HORIZON 2020 [CHOICE](#): Mainstream mitigation pathways for a climate-conscious change in the food chain (01.11.2023 - 31.10.2026)
- Project Management (Partner) of HORIZON-CSA project [CIRSEAU](#): Building a water-smart economy and society (01.09.2024 - 31.08.2027)
- Educational Management (Coordinator) of HORIZON-CSA Excellence Hub [THE WATERWISE HUB](#): An excellence hub on water in the circular economy (01.01.2025 - 31.12.2028)
- Communication Management (Partner) of [NATALIE](#): NATure-bAsed solutions to enhance resiliENCE to climate change for diverse bio-geographical European regions.(01.09.2023 - 31.08.2028)
- Communication Officer of the [Urban Water Management and Hydroinformatics Group \(UWMH\)](#) of the Department of Water Resources and Environmental Engineering of the [School of Civil Engineering](#) of the [National Technical University of Athens](#).
- Management of the Actor Engagement & Co-creation Group of the [ICT4WATER cluster](#)

[09/2019 – Current]

Environmental Trainer / Project Manager

CoCreate

City: Athens | **Country**: Greece

- Project Manager, Trainer Strategic KA2 Erasmus+ Projects of [ComAS](#) - Community Arts for Civic Engagement and Social Change
- Design & Implementation of an Educational Game aimed at enhancing the corporate environmental culture of the VINCI group companies (VINCI Group)
- Design of [educational game - Discovering the Flora, Fauna, and Geology of the Helmos-Vouraikos UNESCO Global Geopark](#) (NECCA)

[08/2008 – Current]

Environmental Project Manager & Consultant

Environmental Consulting

City: Patras | **Country:** Greece

- Project Management of EU funded Projects (Erasmus+, Horizon2020, LIFE+ etc)
- Environmental Impact Assessment Studies Environment Management Plan
- Implementation of Educational Seminars/Events

[02/2008 – 30/06/2024]

Environmental Non formal Education Trainer

Youth and Lifelong Learning Foundation

City: Multiple Cities | **Country:** Greece

- Instructor on Environmental Education Course, Environmental Education and Ecology Course & Environmental Protection Course (Public Institute of Vocational Training)
- Non Formal Education Trainer - Environmental Education (Second Chance High School)

[09/2016 – 12/2023]

Educational research scientist

School of pedagogical and technological education (ASPETE)

City: Patras | **Country:** Greece

- Project Manager, Trainer and Research Associate in implementing 3 Strategic KA2 Erasmus+ Projects (GreenSkills4VET, WAFLE & RESPECT)

[09/2018 – 06/2022]

Secondary school special education teacher

Ministry of Education and Religious Affairs

City: Multiple Cities | **Country:** Greece

- Teaching students with disabilities

[06/2009 – 06/2019]

Environmental Manager

Axonas MB ATEBE

City: Patras | **Country:** Greece

- Monitoring the factory's compliance with legislative regulations relating to the environment
- Coordinating all aspects of pollution control, waste management, recycling
- Auditing, analyzing and reporting environmental parameters
- Air Quality Emissions Monitoring
- Impact assessments to identify, assess and reduce company's environmental risks

[09/2017 – 09/2018]

Project Officer

The Cyprus Institute

City: Nicosia | **Country:** Cyprus

- Oversight of research and innovation projects (various funding sources including EU & Cyprus Research Promotion Foundation (RPF)
- Project administration/coordination
- Participation in the planning and coordination of the Cyl Center/Division
- Identification of research and innovation funding opportunities

[01/2011 – 12/2015]

Project Manager

Municipal Enterprise for Planning and Development of Patras (ADEP S.A.), Environmental Dpt.

City: Patras | **Country:** Greece

- Implementation of International Projects (IEE, MED, Life+, Interreg etc)
- Development and operation of structures: Environmental Information Center of Panachaiko Mountain, Patras Energy Front office for RES and Energy Sustainability, Office for promoting energy Recovery from Biomass Use & Patras Water House.
- Development & Operation of Educational Programs on Energy, Ecology, Biomass and Water Saving.
- Development & Implementation of Sustainable Energy Action Plan of Patras Municipality (SEAP)
- Project of Recycling used oil to produce Biodiesel (Project for Schools)

[06/2010 – 12/2012]

Renewable Energy Consultant

Green Progress

City: Athens | **Country:** Greece

- Application, Design, Installation and Operation of PV systems.

[09/2007 – 04/2008]

Environmental Engineer & Consultant

SIRMET

City: Patras | **Country:** Greece

- Environmental Impact Assessments
- Study and planning on energy production from waste treatment
- Wastewater constructions
- Certification (ISO, HACCP)
- Wastewater analysis (BOD, COD,SS etc).

EDUCATION AND TRAINING

[12/2015 – 12/2023]

PhD - Doctor of Philosophy in Environmental Education

Hellenic Open University | www.eap.gr

City: Patras | **Country:** Greece |

[09/2019 – 06/2021]

MEd – Master's degree in special education

University of Nicosia | <https://www.unic.ac.cy/>

City: Nicosia | **Country:** Cyprus |

[10/2019]

MEng – Integrated master's degree in environmental engineering

University of Patras | www.uop.gr

City: Patras | **Country:** Greece |

[09/2004 – 09/2005]

MSc - Master's degree in Applied Sciences, Environmental Conservation Management

University of South Wales (ex Glamorgan) | <https://www.southwales.ac.uk/>

City: Cardiff | **Country:** United Kingdom |

[10/1999 – 09/2004]

BSc - Bachelor of Environmental Sciences, Department of Environmental and Natural Resources Management

University of Ioannina, School of Natural Sources Management & Business | <https://uoi.gr/>

City: Agrinio | **Country:** Greece |

[03/2017]

Non-Formal Trainer Certification - Hellenic Qualifications Framework (NQF)

National Organization for the certification of qualification & vocational guidance (EB 31905)

[10/2014 – 07/2015]

Postgraduate Qualification in Pedagogical Training

School of pedagogical and technological education (ASPETE)

LANGUAGE SKILLS

Mother tongue(s): Greek

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

French

LISTENING A2 READING A2 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

Graphic Design and Video Editing | Microsoft Office | Programming (BASIC, Pascal) | Basic knowledge of Geographic Information Systems (G.I.S.): ArcGIS

NETWORKS AND MEMBERSHIPS

[16/12/2023 – Current]

Hellenic Teachers' Association for Environmental Education | Athens

Link: <https://peekpe.gr/>

DRIVING LICENCE

Motorbikes: AM

Cars: B

RECOMMENDATIONS

Name: Ioannis Kalavrouziotis PhD Supervisor

President & Professor, Hellenic Open University, School of Science and Technology

Phone number: (+30) 6944726906 | **Email:** ikalabro@eap.gr

Link: <https://www.ioanniskalavrouziotis.gr/>

Name: Leonidas Gomatos Director in ASPETE

Professor, Department of Education, ASPETE

Phone number: (+30) 6978889306 | **Email:** gomatos@otenet.gr

Link: <https://edu.aspete.gr/gomatos-leonidas/>

Name: Konstantinos Papachristopoulos Founder of CoCreate and colleague at ADEP

Founder of CoCreate and Visiting Professor, University of Crete, Department of Psychology

Phone number: (+30) 6944352029 | **Email:** papachristopouloskostas@gmail.com

Link: <https://www.psychology.uoc.gr/prosopiko/symvasioychoi-didaskontes/konstantinos-papachristopoylos/>

PROJECTS

[01/01/2025 – 31/12/2028]

WATERWISE HUB (NTUA) HORIZON 2020

HORIZON-CSA Excellence Hub THE WATERWISE HUB: An excellence hub on water in the circular economy

[01/09/2024 – 31/08/2027]

CIRSEAU (NTUA) HORIZON 2020

HORIZON-CSA project [CIRSEAU](#): Building a water-smart economy and society

Link: <https://www.linkedin.com/company/cirseau/>

[09/2023 – 08/2028]

NATALIE (NTUA) HORIZON 2020

NATALIE: Accelerating and mainstreaming transformative NATure-bAsed solutions to enhance resiLIence to climate change for diverse bio-geographical European regions

Link: <https://www.linkedin.com/showcase/natalieproject/>

[11/2023 – 11/2026]

CHOICE (NTUA) HORIZON 2020

HORIZON 2020 - CHOICE Mainstream Mitigation Pathways for a Climate-Conscious Change in the Food Chain

Link: <https://www.climatechoice.eu/>

[04/2024 – 04/2026]

ComAS (CoCreate) ERASMUS+ KA220-YOU

Community Arts for Civic Engagement and Social Change

[03/2024 – 12/2024]

CLiMate youth (EY) KA152-YOU

[09/2023 – 05/2024]

Leave Noone Behind (EY) KA152-YOU

[01/2022 – 12/2023]

WAFLE (ASPETE) ERASMUS+ KA2

Water Footprints Literacy Education

Link: <https://zunal.com/introduction.php?w=782497>

[09/2016 – 09/2018] **Green Skills for VET (ASPETE) ERASMUS+ KA2**

Green Skills for VET – Development of Learning material/concepts for ESD in vocational education: education for sustainable development Erasmus+ KA2 project

Link: <https://www.greenskills4vet.eu/>

[09/2017 – 07/2018] **EMME – CARE (CYI) HORIZON 2020 TEAMING**

Eastern Mediterranean and Middle East – Climate and Atmosphere Research Centre (EMME – CARE) – Horizon 2020 - Teaming Project (Phase 1) funded for phase 2 – 30M

Link: <https://www.youtube.com/watch?v=olU7gwiwnHU>

[06/2012 – 11/2015] **MESP (ADEP) ENPI CBC MED**

MESP - Managing the Environmental Sustainability of Ports for a durable development (ENPI CBC MED)

Link: <https://medcities.org/managing-the-environmental-sustainability-of-ports-for-a-durable-development/>

[03/2011 – 11/2014] **PROFORBIOMED (ADEP) Strategic MED**

Strategic MED Programme - PROFORBIOMED - Promotion of residual forestry biomass in the Mediterranean Basin

Link: <https://clube.gr/en/project/proforbiomed/>

[06/2010 – 12/2012] **ENESCOM (ADEP) Intelligent Energy Europe**

Intelligent Energy Europe Programme - ENESCOM - European Network of Information Centres promoting Energy Sustainability and CO2 reduction among local Communities

Link: <https://www.regions202020.eu/cms/sec/enescom/>

[01/2010 – 06/2013] **ACT (ADEP) LIFE+**

ACT – Adapting to Climate change in Time

Link: <https://climadat.isprambiente.it/project/act-adapting-to-climate-change-in-time/>

HONOURS AND AWARDS

[09/11/2020] **The Entrepreneurial School 2020 Awarding institution:** JA Europe

Link: <https://www.kathimerini.gr/pages/announcements/561152581/treis-ellines-kathigites-epicheirimatikotitas-stin-koryfi-tis-eyropis/>

HOBBIES AND INTERESTS

Photography

Link: <https://www.flickr.com/photos/iliaskarachalios/>

Radio production

Link: <https://www.mixcloud.com/ilias-karachalios/>

COMMUNICATION AND INTERPERSONAL SKILLS

Team working skills

gained through several studying and working experiences where sharing information and team working were required.

Ability to work in a multicultural environment

gained during my study and work abroad experience where I worked in groups to accomplish different tasks. Sociable.

VOLUNTEERING

- [09/2015 – Current] **Founder & Group Leader of European Youngsters** Patras
Link: <http://europeanyoungsters.eu>
- [09/2015 – Current] **Sustainability Manager & Experience Team member (Core Team Member) of TEDxPatras**
Patras
Link: <http://tedxpatras.com/>
- [10/2016 – 11/2020] **Environmental and Sustainable Development Sciences coordinator of Patras Science Festival**
Patras
Link: <http://www.patras-science-festival.gr/en/>
- [02/2019 – 11/2021] **Lifeguard Hellenic at RedCross** Patras
Link: <https://www.samarites.gr/>

PUBLICATIONS

Scientific Publications

Kehayias, G. Antonou, M. Zerva, M. Karachalios, I. (2008) Using plankton nets as light traps: Application with chemical light, *Journal of Plankton Research*, Volume 30, number 9, 1075-1078 DOI: <http://dx.doi.org/10.1093/plankt/fbn060>

Palazón, R.P., Pérez, A.A., Lucas, C., Martínez, A., Cabrero, D.S., Ara, P., Hermoso, J., Cabanes, M.C., Prieto, E., Navarro, I.P., Gaspà, I., Valero, L.V., Miñano, M.C., González, E.J., Marín, J.P., Monzó, F.P., Ciccacese, L., Pellegrino, P., Bianco, P., Silli, V., Lapi, M., Denti, A., Fontanarosa, E., Masiero, M., Vallée, S., Lovero, M., Veyrand, R., Duhén, D.G., Joly, N., Krajnc, N., Triplat, M., Jemec, T., Petek, J., Kostevšek, A., Fallas, Y., Karachalios, I., Duarte, I.M., Pacheco, J., Bárbara, A., Marques, D., Oliveira, S., Nunes, M., Miranda, A., Martins, J., Kouras, D., Tsimplinas, D., Margaritis, N.K., Grammelis, P., Papadelis, A., Antinoro, M.P., Veca, D.L., Rubino, C., Clementi, G., Traina, G., Villanueva, J.V., & Bonet, M.C. (2014). Main Outputs - PROFORBIOMED - Promotion of residual forest biomass in Mediterranean Basin. ISBN: 987-84-606-7227-2

Palazón, R.P., Pérez, A.A., Lucas, C., Martínez, A., Cabrero, D.S., Ara, P., Hermoso, J., Cabanes, M.C., Prieto, E., Navarro, I.P., Gaspà, I., Valero, L.V., Miñano, M.C., González, E.J., Marín, J.P., Monzó, F.P., Ciccacese, L., Pellegrino, P., Bianco, P., Silli, V., Lapi, M., Denti, A.B., Fontanarosa, E., Masiero, M., Vallée, S., Lovero, M., Veyrand, R., Duhén, D.G., Joly, N., Krajnc, N., Triplat, M., Jemec, T., Petek, J., Kostevšek, A., Fallas, Y., Karachalios, I., Duarte, I.M., Pacheco, J., Bárbara, A., Marques, D., Oliveira, S., Nunes, M., Miranda, A., Martins, J., Kouras, D., Tsimplinas, D., Margaritis, N.K., Grammelis, P., Papadelis, A., Antinoro, M.P., Veca, D.L., Rubino, C., Clementi, G., Traina, G., Villanueva, J.V., & Bonet, M.C. (2014). proforbiomed book in Spanish. DOI: <http://dx.doi.org/10.13140/RG.2.1.4264.1442>

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Γομάτος, Λ., Αναστοπούλου, Π., Καραχασάνη, Α., Καραχάλιος, Η., Ρόμπολας, Π. & Αρμακόλας, Σ. (2018). Σχεδιασμός, Υλοποίηση και Αξιολόγηση Επιμόρφωσης για την Εκπαίδευση στην Αειφόρο Ανάπτυξη. *Πρακτικά 11ου Πανελλήνιου Συνεδρίου της Παιδαγωγικής Εταιρείας Ελλάδας «Βασική και συνεχιζόμενη εκπαίδευση των εκπαιδευτικών σε ένα σύνθετο και μεταβαλλόμενο περιβάλλον»*, Πάτρα 23-25 Νοεμβρίου 2018, Τόμος Β. ISBN: 978-618-82469-3-5, σ. 239-249.

Armakolas, S., Robolas, P., Karachalios, I., Karachasani, A., Anastopoulou, P., & Gوماتos, L. (2019). Constructing and implementing an OER regarding sustainability issues in vocational education. *Educational Journal of the University of Patras UNESCO Chair*.

Karachalios, I., Plakitsi, K., Hatzinikita, V., Kalavrouziotis, I. (2021). Knowledge and Attitudes of high school students in Greece towards waste management. *6th distance education e-learning International Summer School and Workshop on "Wastewater and Biosolids Management" (WWSS21)*. Patras 26-31 July 2021. ISBN: 978-960-611-012-2, p 48-51. DOI: <http://dx.doi.org/10.13140/RG.2.2.24748.64641>

Αρμακόλας, Σ., Αναστοπούλου, Π., Ρόμπολας, Π., Καραχάλιος, Η., Καραχασάνη, Α., & Γομάτος, Λ., (2021). Αειφορική διαχείριση φαρμάκων: Δημιουργία και αξιολόγηση μιας Ανοιχτής Εκπαιδευτικής Πηγής-ΑΕΠ. *‘Εκπαίδευση & Επιστήμες’ / Σχολή Θετικών Επιστημών Πανεπιστημίου Θεσσαλίας*. Τεύχος 3 (2021) ISSN: 2585-2310.

Karachalios, I., Plakitsi, K., Hatzinikita, V., Kalavrouziotis, I., Gوماتos, L., & Sakellariou, P. (2023). SECONDARY EDUCATION TEACHERS' VIEWS ON ISSUES RELATED TO WASTEWATER AND SOLID WASTE MANAGEMENT. *European Journal of Education Studies*, 10(9). DOI: <http://dx.doi.org/10.46827/ejes.v10i9.4963>

Karachalios, I., Kalavrouziotis, I., Plakitsi, K., Hatzinikita, V., Gوماتos, L., & Sakellariou, P. (2023). Knowledge & attitudes of Secondary education teachers and students regarding waste management in Greece. *8th distance education e-learning International Summer School on "Wastewater and Biosolids Management" (WWSS23)*. Patras 24-28 July 2023. ISBN: 978-960-611-019-1, p 14-15. DOI: <http://dx.doi.org/10.13140/RG.2.2.28733.23521>

Καραχάλιος, Η. (2023). *Απόψεις εκπαιδευτικών δευτεροβάθμιας εκπαίδευσης για θέματα διαχείρισης υγρών και στερεών αποβλήτων*. Διδακτορική διατριβή, Ελληνικό Ανοικτό Πανεπιστήμιο (ΕΑΠ). Σχολή Θετικών Επιστημών και Τεχνολογίας, DOI: <https://doi.org/10.12681/eadd/55928>

Karachalios, I. (2024) Utilizing Educational Gaming to Foster Sustainability Awareness in Corporate Settings, *International Journal of Science and Research (IJSR)*, Volume 13 Issue 3, March 2024, pp. 740-744, <https://www.ijsr.net/getabstract.php?paperid=SR24308032254>, DOI: <https://doi.org/10.21275/SR24308032254>

Karachalios, I. (2024). *Compilation of Digital Tools on Food Green House Gas Mitigation (CHOICE Project)* (1.0.0) [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.12742264>.

Links: https://scholar.google.com/citations?view_op=list_works&hl=el&hl=el&user=SdBbLM4AAAAJ | <https://www.researchgate.net/profile/Ilias-Karachalios/research>

OTHERS PROJECTS

[11/2023]

Discovering the Flora, Fauna, and Geology of the Helmos-Vouraikos UNESCO Global Geopark (CoCreate) Educational Game

Educational tool, designed to introduce participants to the diverse range of flora, fauna and rocks found within the geopark. The game aims to educate players on the importance of conservation and sustainability while promoting an appreciation for the natural world. It is played through cards game format or a scavenger hunt where players learn interesting facts and information about the various species found in the geopark.

Links: <https://sites.google.com/view/fdxv3and1> | <https://www.salto-youth.net/tools/toolbox/tool/geoquest-uncovering-nature-s-secrets-discovering-the-flora-fauna-and-geology-of-the-helmos-vouraikos-unesco-global-geopark.4615/>