

Nikos Kouris

Work permit: Greek

Date of birth: 30/11/1977

Place of birth: Athens, Greece

Nationality: Greek

CONTACT

 Iroon Politechniou 9,
15780 Zografou, Greece
(Work)

 Kouris.nikolaos@gmail.com

 (+30) 2107722274



europass

WORK EXPERIENCE

04/2005 – CURRENT Zografou, Greece

Senior Researcher National Technical University of Athens

- Extensive experience in performing chemical analyses (atomic absorption spectrophotometry, gravimetric and respirometric methods, titrations etc)
- Actively participates in the educational activities of the Sanitary Engineering Department, projects, including undergraduate, postgraduate, and doctoral theses, are
- Setting up and optimizing pilot-scale environmental systems (aerobic and anaerobic reactors, sludge sanitation, anaerobic sludge systems, jar tests, soil column)
- Implementing and maintaining ISO 17025 standards in the laboratory, ensuring compliance with protocols and accreditation requirements
- Computer and network maintenance
- Relations with suppliers

EDUCATION AND TRAINING

2006 – 2011 Athens, Greece

MEng in Rural and Surveying Engineering School of Rural, Surveying and Geomatics Engineering

Website <https://www.survey.ntua.gr/en/> | Level in EQF EQF level 7

2004 – 2005 Athens, Greece

Master of Science Water Resources Science and Technology School of Civil and Environmental Engineering, National Technical University of Athens

Website <http://postgrad.hydro.ntua.gr/en/>

1995 – 2000 Athens, Greece

Degree of Geology Geology Department of School of Science, National Technical University of Athens

Website <https://en.geol.uoa.gr/> | Level in EQF EQF level 6

LANGUAGE SKILLS

MOTHER TONGUE(S): Greek

Other language(s):

English

Listening B2

Spoken production B2

Reading B2

Spoken interaction B2

Writing B2

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

DIGITAL SKILLS

MSoffice (word, excel, powerpoint, access) | Autocad | GIS | network implementation (browsing, Cloud and NAS technics, social media),

PROJECTS

2023 – CURRENT

CARDIMED

Climate Adaptation and Resilience Demonstrated In the MEDiterranean region - Instigate systemic transformations in Climate Resilience in the MED Region, by unifying and mainstreaming all initiatives addressing climate adaptation and mitigation through NBS and other engineered infrastructure

Link <https://www.cardimed-project.eu/about-us/>

10/2020 – CURRENT

AccelWater

H2020 Innovation Action project. Research on anaerobic co-digestion of industrial organic waste, wastewater treatment and reuse for industrial and agroindustrial purposesere the description

Link <https://www.accelwater.eu/el/>

04/2022 – CURRENT

SureNexus

SureNexus project is responding to PRIMA-NEXUS 2021 call aimed to generate scientific and practical evidence for climate change transition and adaptation following the WEFE-NEXUS approach (i.e., understanding and addressing synergies and trade-offs between water, energy, food and ecosystems for cross-sector management and governance to strengthen human wellbeing, environmental security and climate resilience, thus contributing to the transition to green economy and achievement of SDGs)

Link <https://mel.cgiar.org/projects/1729>

2018 – 2023

HYDROUSA

Demonstration of water loops with innovative regenerative business models for the Mediterranean region - Demonstration of water loops with innovative regenerative business models for the Mediterranean region which main ambition was to develop a new circular business model, which will be mostly suitable for Mediterranean and other water-scarce regions in Europe and worldwide which confront water supply issues providing innovative solutions for decentralized water scarce areas in terms of water/wastewater treatment and management, which will close the water loops and will also boost their agricultural and energy profile

Link <https://www.hydrousa.org/>

2016 – 2020

INTCATCH

Development and application of novel, integrated tools for monitoring and managing catchments

Link <https://intcatch.eu/>

01/01/2019 – 31/12/2019

Εκτίμηση της ποιοτικής κατάστασης της Γερμανικής Τάφρου, των εκβολών του Σπερχειού & της θαλάσσιας περιοχής εκβολής του Σπερχειού & αξιολόγηση των πιέσεων που υφίσταται η Γερμανική Τάφρος & διαμόρφωση, ιεράρχηση προτάσεων βελτίωσης των ποιοτικών χαρακτηριστικών

Write here the description...

2014 – CURRENT

Εκτέλεση αναλύσεων και αξιολόγηση αποτελεσμάτων νερού Δήμου Μεγαλόπολης

Πραγματοποιούνται χημικές αναλύσεις και αξιολογείται η ποιότητα του πόσιμου νερού του Δήμου με βάση την ισχύουσα νομοθεσία

09/2024 – 10/2024

Παρακολούθηση των ποιοτικών χαρακτηριστικών των ιζημάτων στο σύνολο της λιμενικής περιοχής αρμοδιότητας ΟΛΠ Α.Ε.

Write here the description...

2012 – 2015

Hydropolis

Urban development and water infrastructure: Towards innovative decentralized urban water management - investigated the bidirectional relationship between urban growth and urban water infrastructure, emphasizing the impact of urban development forms on alternative water management technologies. The program focused on decentralized water management solutions, such as greywater recycling, rainwater harvesting, and sustainable urban drainage systems. Their combined application was analyzed in relation to urban growth and existing water infrastructure

Link <http://www.hydropolis.gr/>

2012 – 2016

CHARM

Chromium in Asopos groundwater system: Remediation technologies and Measures -

- Evaluation of the effect of soil and groundwater properties and their contribution to high Cr (VI) natural background level (NBL)
- Evaluation of the effect of high NBL (natural background level) of chromium and hexavalent chromium to the determination of the respective TVs.
- Development of a rational methodology for the determination of threshold values (TV) for total and hexavalent chromium, considering the guidelines of Annex II of the GWD that could be adopted and applied in other parts of Greece and the EU. This methodology can be applied to other pollutants especially to heavy metals.
- Identification of activities related to pollution with chromium and estimation of the generated loads and their transport until entering the aquatic environment.
- Demonstration of different technologies for remediation of groundwater bodies experiencing high concentrations of chromium and hexavalent chromium.
- Establishment of a programme of measures (PoM) for river basin of Asopos, which will involve the implementation of the most efficient technologies for chromium removal, supplementary administrative and legal instruments, for which active participation of stakeholders is anticipated.
- Achievement of a social agreement on water resources management and protection.
- Demonstration of the importance of public participation and stakeholders involvement in the effective implementation of environmental protection policies and actions. The project aims to demonstrate the importance of high level cooperation between ministries, environmental agencies, stakeholders representing different sectors (i.e. agricultural, urban and industry), the scientific community as well as NGO and the European Commission in order to effectively apply any program of measures for the remediation of Cr polluted sites.
- The exploitation of European best practices and know-how on water resources management with emphasis to the implementation of the Groundwater Directive

Link <https://www.charm-life.gr>

2010 – 2011

Παροχή υπηρεσιών συμβούλου για την παρακολούθηση της λειτουργίας των εγκαταστάσεων επεξεργασίας λυμάτων Ιωαννίνων και της ΒΙ.ΠΕ. και την αντιμετώπιση των πλημμυρικών παροχών

10/2015 – 12/2015

Σχεδιασμός συστήματος επεξεργασίας στραγγιδίων και συστήματος υδρόλυσης της πρωτοβάθμιας ιλύος του ΚΕΛ Ψυττάλειας

05/2014 – 06/2014

Διερεύνηση προβλημάτων νηματοειδούς διόγκωσης και αφρισμού της ΕΕΛ Κοζάνης και διαμόρφωση προτάσεων αντιμετώπισής τους

01/2019 – 03/2019

Διερεύνηση της επιτόπου αποκατάστασης του υπόγειου υδροφόρου στην περιοχή της βιομηχανίας ΕΛΒΑΛ Α.Ε.

03/2011 – 08/2011

Διερεύνηση της δυνατότητας μείωσης του κόστους λειτουργίας του ΚΕΛ Ψυττάλειας

01/2010 – 05/2010

Παροχή υπηρεσιών συμβούλου σε θέματα επεξεργασίας και επαναχρησιμοποίησης λυμάτων

01/2009 – 09/2009

Εκτίμηση φέρουσας ικανότητας βιολογικού καθαρισμού Δήμου Ροδίων

09/2007 – 03/2008

Τεχνικο-οικονομική αξιολόγηση της χρήσης φυγοκεντρητών για την αφυδάτωση ιλύος από εγκαταστάσεις επεξεργασίας λυμάτων

09/2007 – 10/2007

Water Agenda: Πιλοτική εφαρμογή της Οδηγίας 2000/60 (Αειφορική διαχείριση υδατικών πόρων) στην υδρογεωλογική λεκάνη του Ανθεμούντα με βάση τις κατευθύνσεις της Agenda 21

10/2007 – 12/2007

Ενίσχυση εργαστηρίου υγειονομικής τεχνολογίας για την επέκταση και αναβάθμιση των παρεχόμενων υπηρεσιών

11/2005 – 09/2006

Εκτέλεση αναλύσεων από δείγματα στην περιοχή Χαλκιδικής

PUBLICATIONS

2010

Removal of taste and odour from potable water by ozone and Powdered Activated Carbon (PAC)

The paper presents experimental evidence that selection and addition of an appropriate type of Powdered Activated Carbon (PAC) and alternatively or in combination ozonation of the water can be very effective in removal of both geosmin and 2-MIB from surface waters intended for supplying potable water

A. D. Andreadakis, D. Mamais, E.A. Gavalakis, C. Noutsopoulos, N. Kouris and G. Nikitopoulos

2008

Comparison of Bioluminescence and Nitrification Inhibition Methods for Assessing Toxicity to Municipal Activated Sludge

The aim of this study was to compare two alternative toxicity assessment methods to determine wastewater toxicity and predict treatment plant process upsets.

Daniel Mamais, Constantinos Noutsopoulos, Athanasios S. Stasinakis, Nikolaos Kouris, Andreas D. Andreadakis

2024

From rain to resilience: rainwater harvesting coupled with subsurface storage and recovery as a nature-based solution for arid communities: the case of Mykonos

A circular, nature-based solution has been implemented in the drought-prone zone of the Mediterranean Island of Mykonos (Greece) to demonstrate how a residential rainwater collection system can be upgraded to enable optimal use of low-cost rainwater while making use of the natural services provided by the subsurface

K. Monokrousou, C. Makropoulos, A. Eleftheriou, I. Vasilakos, M. Styllas, K. Dimitriadis, N. Kouris, E. Nyktari & S. Malamis

2015

Grey Water Characterization and Treatment

Proceedings of IWA Balkan Young Water Professionals 2015, Thessaloniki, Greece, 10-12 May 2015

Andreadakis, C. Noutsopoulos, I.D. Mantziaras, N. Kouris

2020

Novel Systems for Detection and Monitoring of Dangerous Substances in Water Environmental Sensitive Areas

This publication presents the innovative system of autonomous robotic boats and their ability to detect heavy metals in surface waters

Nikos Tsalas, Giorgos Katsouras, Michalis Chalaris, Stelios Samios, Efthymios Lytras, Kostas Papadopoulos, Nikos Kouris, Simos Malamis, Costas Noutsopoulos, Danos Mamais, Andreas Andreadakis