

**PERSONAL
INFORMATION**

Sofia Laschou

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 <https://scholar.google.gr/citations?user=N-zdxhMAAAAJ&hl=el&oi=ao>

Nationality Greek

WORK EXPERIENCE

2000-Current

Scientific Personnel

Chemist at Hellenic Center for Marine Research (HCMR),
Institute of Marine Biological Resources and Inland Waters (IMBRIW)

- Environmental Analytical Chemistry
- Reference conditions and classification of surface inland waters
- Greek Nutrient Classification System and Implementation of the European Water Framework Directive (2000/60/EU) on the Greek rivers.

EDUCATION AND TRAINING

2010

MSc in Environmental Chemistry

National and Kapodistrian University of Athens, Department of Chemistry, 2010.

Master thesis: “*Establishment of Reference Conditions and Development of a Nutrient Classification System for the Assessment of the Chemical-Physicochemical Status of Greek Rivers*”.

1996

BSc in Chemistry

National and Kapodistrian University of Athens, Department of Chemistry, Greece

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
Very Good	Very Good	Very Good	Very Good	Very Good

Publications

PUBLICATIONS ON
INTERNATIONAL
JOURNALS

Skoulikidis N., Y. Amaxidis, I. Bertahas, S. Laschou & K. Gritzalis (2006). Analysis of factors driving stream water composition and synthesis of management tools – A case study on small/medium Greek catchments. *The Science of the Total Environment*, 362: 205-241.

Bertahas I., Dimitriou E., Karaouzas I., Laschou S. & Zacharias I. (2006). Climate change and agricultural pollution effects on the trophic status of a Mediterranean lake. *Acta Hydrochimica et Hydrobiologica* 342 (4): 349-359.

Kalogianni E., A. Vourka, I. Karaouzas, L. Vardakas, S. Laschou & Th.N. Skoulikidis (2017). Combined effects of water stress and pollution on macroinvertebrate and fish assemblages in a Mediterranean intermittent river. *Science of the Total Environment*, 603-604, 639-650. DOI:10.1016/j.scitotenv.2017.06.078 (I.P. 2016: 4.900).

Smeti E., von Schiller D., Karaouzas I., Laschou S., Vardakas L., Sabater S., Tornés E., Monllor-Alcaraz L.S., Guillem-Argiles N., Martinez E., Barceló D., Lopez de Alda M., Kalogianni E., Elosegí A., Skoulikidis N. (2019). Multiple stressor effects on biodiversity and ecosystem functioning in a Mediterranean temporary river. *Science of the Total Environment*, 647, 1179-1187. <https://doi.org/10.1016/j.scitotenv.2018.08.105>

Ruegner, H., Schwientek, M., Milacic, R., Zuliani, T., Vidmar, J., Paunovic, M., Laschou, S., Kalogianni, E., Skoulikidis, N.T., Diamantini, E., Majone, B., Bellin, A., Chiogna, G., López de Alda, M., Díaz-Cruz, S., Grathwohl, P. (2019). Particle Bound Pollutants in Rivers: Results from Suspended Sediment Sampling in Globaqua River Basins. *Science of the Total Environment* 647, 645–652. doi:10.1016/j.scitotenv.2018.08.027

PUBLICATIONS ON
INTERNATIONAL
CONFERENCES

Smeti E, von Schiller D, Laschou S, Vardakas L, Tornés E, Theodoropoulos C, Vourka A, Andriopoulou A, Koutsodimou M, Anastasopoulou E, Karaouzas I, Sabater S, Elosegí A, Skoulikidis NT & Kalogianni E (2018). Effects of agro-industrial pollution on biota and ecosystem functioning in an intermittent river (Evrotas, Greece). *Limnologia* 2018. *XIX Conference of the Iberian Association of Limnology Inland waters and XXI century challenges: from scientific knowledge to environmental management*, 24 – 29 June 2018, Coimbra, Portugal. Book of abstracts, p. 202.

Ruegner, H., Schwientek, M., Grathwohl, P., Nasrabadi, T., Zuliani, T., Milačić, R., Laschou, S., Kalogianni, E. Particle facilitated pollutant transport in rivers. Poster presentation. In: Köck Schulmeyer, M., Barceló, Cullerés, D. (Eds.). *Reconnaissance of trace organic compounds and metals in GLOBAQUA river basins: book of abstracts of the GLOBAQUA workshop*, 9-10 November 2017, Barcelona, Spain. p 38.

PUBLICATIONS ON
NATIONAL CONFERENCES

Laschou S., Skoulikidis N., Chatziniolaou Y., Dasenakis M., Scoullou M. 2015. Preliminary Greek Nutrient Classification System based on benthic invertebrates for Greek rivers and streams. *11 th Panhellenic Symposium on Oceanography and fisheries*, pp 690-693, Mytilene, Lesvos island, Greece, 2015.

N. Skoulikidis, Y. Amaxidis, S. Laschou. «Nutrient levels and origin of a small mountainous catchment». 8th Symposium of Oceanography and Fisheries. Thessaloniki 4-8 June 2006.

Projects

- Action for the protection of the calcareous fens in Trichonis lake (LIFE'99/NAT/GR/006499 2000-2003).
- Conservation measures for the endangered fish *Ladigesocypris ghigii* (LIFE/Nature, 1998-2001).
- «Monitoring of the state and abundance of *Ladigesocypris ghigii* (Pisces, Cyprinidae) population in Gadouras stream (Rhodes Island), during the construction of the Gadouras dam», 2001-2009, (Phase I, Phase II, Phase III). Participants: I.I.W. (H.C.M.R.), Funding: Ministry of Environment Physical Planning & Public Works.
- “1. Exploitation of the hydrochemical time-series of Acheloos River - 2. Assessment of the contribution of agriculture in aquatic pollution”, Participants: I.I.W. (H.C.M.R.) (coordinator), University of Connecticut, Thesa S.A., Funding: Ministry of Agricultural Development and Food – Directorate Design of Land Reclamation Works and Exploitation of Soil-Aquatic Resources, Scientific Leader and Coordinator (2000-2002).
- **AQEM** 2001-2002 «The Development and Testing of an Integrated Assessment System for the Ecological Quality of Streams and Rivers throughout Europe using Benthic Macroinvertebrates»(AQEM, EVK1-CT-1999-00027)
- Standardization of river classifications: Framework method for calibrating different biological survey results against ecological quality classifications to be developed for the Water Framework Directives.(**STAR**, EVK1-2001-00034) (2002-2005).
- Evaluation and Improvement of water quality models for application to temporary waters in southern European catchments. (**tempQsim**, EVK1-2001-00247)(2002-2005).
- Actions for the conservation of Mediteranean ponds in Crete. “**MEDPONTS**”. 'LIFE04NAT/GR/000105'. 2004-2008.
- **LIFE Environment** Environmental Friendly Technologies for Rural Development. (The Evrotas river case) LIFE05 ENV/GR/00245. (2005-2009)
- **ANAPODARIS CRETE** 2005-2006 «Pilot study of the implementation of the WFD 2000/60 EU on a temporary river basin», a case study on «Evaluation of the ecological status of Anapodaris stream, Crete»
- «Study of the ichthyofauna and recommendations for its conservation at the development area of the hydroelectric dam Skopos-Papadias». Participants: I.I.W. (H.C.M.R.), Funding: Public Power Corporation, 2006-2008.
- Technical Report for the environmental conditions of the artificial lake of Ladona river. Public Electricity Company (DEH) 2007-2008.
- Environmental monitoring of N. Plastira Reservoir (2009-2010), Public Power Corporation.
- **MIRAGE** (FP7-ENV-2007-1) Mediterranean Intermittent River ManAGement. 2009 –2011.
- **Ecodom**, Marie Curie: ‘Advancing understanding of carbon cycling and coloured dissolved organic matter dynamics in European wetlands & coastal ecosystems through integration of observations and novel modelling approaches : Χρηματοδότης: EE . 2008-2012
- «Τριετής (2010-2013) παρακολούθηση της ποιότητας και εκτίμηση της οικολογικής κατάστασης των ποταμών του Ν. Μεσσηνίας: Πάμισου, Άρις, Λυγδού, Έπης, Καριάς, Τζάνες – Πολυλίμνιου, Μαυροζούμενας, Δεσπότη, Μουρτιάς, Αρκαδικού, Νέδας και Βελίκας»
- **EPPERAA - Eight Prefectures**: 2012-2015. Ecological quality monitoring of waters, rivers, littoral & transitional waters of Greece – Implementation of the Article 8 of the Directive 2000/60/EC, Eight Prefectures (Eastern Macedonia & Thrace, Epirus, Thessaly, Ionian Islands, Western Greece, Peloponnese, Northern Aegean and Crete).
- **EPPERAA – Western-Central Greece, Attica, Central Macedonia, Western Macedonia, Southern Aegean**: 2012-2015. Ecological quality monitoring of waters, rivers, littoral & transitional waters of Greece – Implementation of the Article 8 of the Directive 2000/60/EC, Prefecture of Western-Central Greece.
- Μελέτη για την αποκατάσταση του ρέματος της *Πικροδάφνης* 2012.
- Monitoring of ecological water quality of *Koumoundourou Lake* and designing management. 2010-2012
- Αγωγός φυσικού αερίου (Trans Adriatic Pipeline)– *TAP*. 2012 – 2013
- Ανάπτυξη νέου υλικού από απορριπτόμενη βιομάζα για την προσρόφηση υδρογονανθράκων σε υδάτινο περιβάλλον. Πρόγραμμα **ΘΑΛΗΣ**-Πανεπιστήμιο Πειραιά. 2013
- Environmental flows downstream of dams (**ECOFLOW**). 2013-2015
- Ανάπτυξη συστήματος ολοκληρωμένης διαχείρισης λεκάνης απορροής και της συνδεόμενης παράκτιας και θαλάσσιας ζώνης (**ΚΡΗΠΙΣ**). 2013-2015.
- (2014). "Αποτίμηση της οικολογικής κατάστασης του ρέματος Πικροδάφνης "
- Managing the effects of multiple stressors on aquatic ecosystems under water scarcity (**QLOBAQUA**). 2014-2019.
- Παρακολούθηση της ποιότητας υδάτων στο ρέμα Πικροδάφνης και στον υγρότοπο Βουρκαρίου» (10/2016-3/2017)
- **ΥΜΕΠΕΡΑΑ-ΟΠΥ**: 2017-2023. Monitoring and Recording of the Water Status (Quality, Quantity, Pressures, Use) in Greece
- **COASTAL**: 2018-2022. Collaborative Land-Sea Integration Platform
- **Open ELIoT**: 2018-2020. Open Internet of Things infrastructure for online environmental service