

BIOGRAPHICAL SUMMARY

NAME
Sivry, Yann

Full Professor at Université Paris Cité – Institut de
Physique du Globe de Paris – Dept of Chemistry

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	MM/YY	FIELD OF STUDY
ENSIACET, Institut National Polytechnique, Toulouse, France	M.Tech.	09/2004	Environ. Chem. Engineering
Institut National Polytechnique/Univ. Toulouse III, France	M.Sc.	06/2004	Environ. And Earth Sciences
Université Paul Sabatier Toulouse III, France	Ph.D.	05/2008	Isotopic Geochemistry
Université Paris-Diderot, Paris, France	Habilitation D.	05/2018	Environmental Geochemistry

A. Personal Statement

My research is structured around the study of anthropogenic impacts on the biogeochemical cycles of metallic elements. I have developed three complementary axes: metallurgical pollution, mining contamination and urban releases of nanoparticles, with a strong international and interdisciplinary dimension. My studies cover both laboratory experiments and field campaigns. As the leader of 12 research projects (including two ANR), I have directed or co-supervised 12 theses, 2 post-doctorates and several Master's internships, with more than 60 scientific publications to my credit. At the same time, since 2010 I have taught approximately 205 hours a year at the University of Paris Cité, mainly in environmental chemistry and geochemistry. I was responsible for teaching units, founded and coordinated an interfaculty M2 program in English ("Analyses For Environment"), and also teach abroad (USTH, Vietnam). On a collective level, I led a research team at IPGP, participated in several councils (UFR, laboratory), represented France in a European COST action, and I conduct expert assessments for ANSES. Since 2024, I have actively contributed to my institution's sustainable development strategy by sitting on the Sustainable Development and Corporate Social Responsibility (SD-CSR) Steering Committee of the Université Paris Cité. This career reflects a strong commitment to the interface between scientific research, teaching, and collective action.

B. Positions and Honors

Positions and Employment

2004 CNRS Research Engineer (IR2) at LMTG, Université Toulouse III, Toulouse, France
2007-2008 Lecturer at Université Toulouse III, Toulouse, France
2008-2009 Post-Doctoral position at IPGP/Université Paris-Diderot, Financed by the AFSSET
2009-2010 Lecturer at University Paris Diderot, Institut de Physique du Globe de Paris (IPGP)
2010-2020 Associate Professor in the Chemistry Dpt, University Paris Diderot-Paris 7, Paris, France
2014 Invited Professor at the Indian Institute of Science, Bangalore, India
2019-2025 Head of 2nd yr Research Master SAFE-FRINCH/CGAE-STPE, Université Paris Cité, France
2019 Qualified to Professorship position in 31th and 35th CNU sections
2019-2024 Head of the Team Biogeochemistry at the Anthropocene of Elements and Emerging Contaminants, IPGP, Paris, France
2021-2025 Associate Professor "Hors Classe" in the Chemistry Dpt, IPGP, Université Paris Cité, Paris, France
2024 Invited Professor at the Indian Institute of Science, Bangalore, India
2025-Pres Member of the Executive Board of the Center for Earth Policy, Université Paris Cité
2025-Pres Co-head of the Research Master GSA-STPE, Université Paris Cité, France
2025-Pres Full Professor in the Chemistry Dpt, IPGP, Université Paris Cité, Paris, France

C. Collective and Public Interest Responsibilities

Administrative responsibilities

- Human, administrative, and financial management and coordination of the Biogeochemistry in the Anthropocene of Elements and Emerging Contaminants (ACE) research team – IPGP.
- Scientific representative for IPGP at the CNRS – ReGEF Analytical Network in Elemental Geochemistry (2020–present).

Local or regional responsibilities and mandates

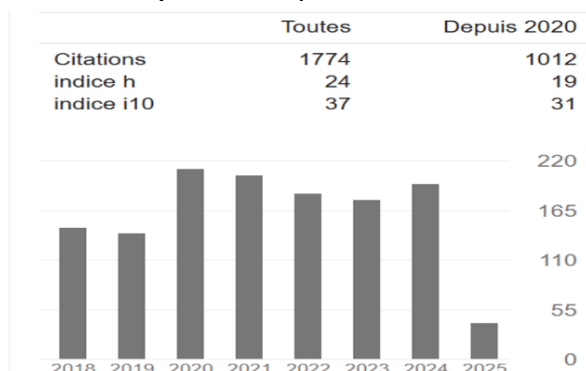
- IPGP representative on the Steering Committee for Sustainable Development – Social and Environmental Responsibility of Université Paris Cité (2025–2030).
- Member of the Executive Board of the Centre des Politiques de la Terre (2025–2030), an interdisciplinary institute of Université Paris Cité aiming to foster a research community working on the complex challenges of the Anthropocene, supported by INIDEX.
- Member of the Meeting of Team Leaders at IPGP, equivalent to the Laboratory Council of UMR IPGP (2019–2024). Responsible for internal decision-making and policies regarding the scientific and administrative life of the UMR.
- Member of the Scientific Council of the Chemistry Department (UFR Chimie) at Université Paris Cité (2021–2025). A body for evaluation and advising on the Department's research policy orientations, assessing internal scientific projects responding to calls for proposals, as well as promotion applications.
- Member of the Council of the Chemistry Department (UFR) at Université Paris 7 (2016–2021). A decision-making body for the Department's scientific and pedagogical policies. Based on consultation with the Pedagogical and Scientific Councils, the UFR Council defines the Department's scientific, administrative, and educational strategies.
- Member of the Scientific Council of the Institut de Physique du Globe (2017–2020). An evaluation and advisory body on the Institute's research policy orientations, assessing internal scientific projects in response to calls for proposals, as well as promotion applications.

International and national responsibilities and mandates

- Member representing France on the management committee of COST Action ES1205 ENTER (2013–2017) – *The transfer of engineered nanomaterials from wastewater treatment & stormwater to rivers*.
- Chair of Working Group II: “*The Analytical Toolbox for NPs Detection*” within COST Action ES1205 ENTER (<http://www.es1205.eu/working-groups/wg2-analytic/>).
- Coordinator for Université Paris 7 of the Erasmus Mundus doctoral program (2009–2017) *Environmental Technologies for Contaminated Solids, Soils and Sediments (ETeCoS3)*.

D. Selected Peer-reviewed Publications (Selected from >60 peer-reviewed publications)

Rank A publications	51
Book chapters	1
National Publications, Rank B	9
Conference abstracts	100
Invited communications	25
Selected oral presentations	69
Selected poster presentations	20
Expertises	17
Software	1



Source : scholar, 21/03/2025

Selection of the Five most relevant publications (*corresponding author, students)

1. **Y. Sivry***, J. Riotte, J. Sonke, S. Audry, J. Schäfer, J. Viers, R. Freydier, G. Blanc and B. Dupré, *Zinc isotopes as tracers of anthropogenic pollution from Zn-ore smelter. The Riou Mort-Lot River system.*, Chemical Geology, 2008, 255, 295-304.
2. **V. Bolaños-Benítez**, E. D. van Hullebusch, J.L. Birck, J. Garnier, P. N.L. Lens, M. Tharaud, C. Quantin, ***Y. Sivry**, *Chromium mobility in ultramafic areas affected by mining activities in Barro Alto massif, Brazil: An isotopic study*, Chemical Geology, 561, 2021, 120000.
3. **Zelano, I. O.**, ***Sivry, Y.**, Quantin, C., Gélalbert, A., Maury, A., Phalyvong, K., Benedetti, M. F., *An Isotopic Exchange Kinetic Model to Assess the Speciation of Metal Available Pool in Soil: The Case of Nickel*. Environmental Science and Technology 2016, 50 (23), 12848-12856.
4. **Ren, Z.-I.**; ***Sivry, Y.**; Tharaud, M.; Cordier, L.; Li, Y.; Dai, J.; Benedetti, M. F. *Speciation and reactivity of lead and zinc in heavily and poorly contaminated soils: Stable isotope dilution, chemical extraction and model views*, Environ. Pollut. 2017, 225, 654-662.
5. **Supiandi, I.**, Charron, G., Tharaud, M., Cordier, L., Guigner, J.-M., Benedetti, M. F., **Sivry, Y***. *Isotopically labelled nanoparticles at relevant concentrations: how low can we go? - The case of surface waters*, ES&T, 2019, 53(5), DOI: 10.1021/acs.est.8b04096.

E. Research Support

Since 2010, I have led or co-led 12 collaborative research programs (national and international) and served as IPGP scientific coordinator on 4 others, for a total of €2.2M in funding. These projects involve around 80 researchers, engineers, PhD students, and postdoctoral fellows, across national and international consortia.

Competitive calls for projects

- **ANR/DFG – NanoAggreg (2024–2027, €257k, co-PI):** IPGP/Univ. Kaiserslautern, 8 participants (4 researchers, 3 engineers, 1 PhD).
- **ANR – COLOSSAL (2024–2027, €498k, IPGP PI):** IPGP/Géosciences Rennes, 13 participants.
- **CNRS-MITI – NanoMap (2022–2023, €37k, IPGP PI):** IPGP/UPC/Sorbonne Univ., 7 participants.
- **CNRS-MITI – CapNano (2022–2023, €32k, PI):** IPGP/UPC/Mines/PSL/Sorbonne Univ., 7 participants.
- **EC2CO – BrexIst (2021–2022, €21k, co-PI):** IPGP/UPC/LIEC, 8 participants.
- **CNRT – ChroniNick (2018–2023, €305k, IPGP PI):** large consortium (11 laboratories).
- **IDEX – NanoTrack (2019–2023, €45k + 95h teaching release, PI):** 5 participants.
- **EC2CO – ANTHROPIC (2021–2022, €26k, PI):** France/India, 9 participants.
- **CEFIPRA – CHROmiTe (2016–2020, €201k, co-PI):** IPGP/Indian Institute, 9 participants.
- **ANR Blanc – QUADOS (2014–2019, €368k, PI):** 3 institutions, 17 participants.
- **EC2CO – ANTHROPIC (2017–2019, €30k, PI):** France/India, 5 researchers.
- **ANSES – Nanospikes (2013–2017, €189k, PI):** IPGP/IMP/MS, 9 participants.
- **CNRS Défi NANO – MONITOR (2013, €20k, PI):** 3 laboratories, 5 participants.
- **PEOPLE-IRSES – NIDYFICS (2013–2016, €38k, IPGP PI):** IPGP/Brazil/Prague, 12 participants.

Philanthropy – Université Paris Cité Foundation

- **NanObs (2022–2027, €764k, incl. €60k secured, PI):** IPGP/UPC/Mines/PSL/Sorbonne Univ., 10 participants (6 researchers, 3 engineers, 1 PhD).
- **GRAAL (2024, €104k, incl. €77k secured, PI):** IPGP/Spépél'Ice, 8 participants (2 researchers, 3 speleologists, 1 PhD, 2 videographers).