

Contact Information

Full name: **Alexander David Ccanccapa Cartagena**

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Education

University of Valencia (Valencia, Spain) 2014 – 2017

- **PhD in Pollution, Toxicology and Environmental Health.** (*Excellent cum laude*)
- PhD thesis: "Analysis, distribution, transport and toxicity of the emerging pollutant in the Turia basin"

Ministry of the Environment and Climate Change (Ontario, Canada) 2016

- **PhD Stay** under direction Dr. Eric Reiner
- **Project:** Suspect, non-target and target screening of emerging pollutants using Data Independent Acquisition: Assessment of a Mediterranean River basin

University of Valencia (Valencia, Spain) 2013 – 2014

- **MSc in Water Resources Management** (*outstanding*)
- Master thesis: "Water Administrative Authorities of Peru and Hydrographic Confederations of Spain: a comparative analysis of two models of integrated water resources management".

National University of San Agustín (Arequipa, Peru) 2007 – 2012

- **BSc in Anthropology.** (*Hons.*)
- First position of the top fifth of my form

Fellowships

- **Predoctoral fellowship** of the Conselleria D'Educació, Cultura y Sport de Valencia, Santiago Grisolfá Scholarship. (Resolution of June 3, 2014)
- **MSc fellowship** President of the Republic for Academic Excellence 2013-III-PRONABEC, Peru (Departmental Resolution N° 019-2013-MINEDU)

Work Experience

University of Valencia. Research personnel in training. (2014 - 2017)

- Studying determination, presence, temporal and special distribution of emerging pollutant (pesticides and pharmaceutical compounds) in environmental samples (water, sediment and soils)

- Project: Risk Analysis and Environmental-Economic Reliability in the elimination of contaminants. Design of a Decision Support System (Eco2TOOLS-DDS).
- Project: NET-SCARCE (CTM2015-69780-REDC) "Evaluation of Emerging Contaminants in the Turia River Basins: From Basic Research to the Application of Environmental Forensics (EMERFOR)
- European Communities 7th Framework Programme funding under Grant Agreement No. 603629-ENV-2013-6.2.1-Globaqua
- Assessing and Predicting Effects on Water Quantity and Quality in Iberian Rivers Caused by Global Change (SCARCE)" (No. CSD2009-00065)

Hydrographic Confederation of Júcar (Spain). Environmental technician. (2014)

- Monitoring of drought indices
- Project: Life + 12 Albufera

Specialized Association for Sustainable Development (NGOs) and the European Commission, (Arequipa, Peru). Environmental technician. (2012)

- Implementation of the integrated management of water resources
- Case studies (2) on integrated water resources management
- Project: Water and Andean territories

Scientific Publications

Journal articles:

- **CCANCCAPA, A.**, Masià, A., and Picó, Y. (2017). Simultaneous determination of pyrethroids and pyrethrins by dispersive liquid-liquid microextraction and liquid chromatography triple quadrupole mass spectrometry in environmental samples. *Analytical and Bioanalytical Chemistry*. 409, 4787-4799. IF 3.125 (2015).
- **CCANCCAPA, A.**, Masià, A., Navarro-Ortega, A., Picó, Y. and Barceló, D. (2016). Pesticides in the Ebro River basin: Occurrence and risk assessment. *Environmental Pollution* 211, 414-424. IF 4.839 (2015).
- **CCANCCAPA, A.**, Masià, A., Andreu, V. and Picó, Y. (2016). Spatio-temporal patterns of pesticide residues in the Turia and Júcar Rivers (Spain). *The Science of the Total Environment* 540, 200-210. IF 3.926 (2016).
- Petrarca M., **CCANCCAPA, A.**, Masià, A., Teixeira, H., Picó, Y. (2017). Comparison of green sample preparation techniques in the analysis of pyrethrins and pyrethroids in baby food by liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*. 1497, 28-37.
- **CCANCCAPA, A.**, Picó, Y., Ortiz, X., Reiner, E. (2017). Suspect, non-target and target screening of emerging pollutants using Data Independent Acquisition: Assessment of a Mediterranean River basin. *The Science of the Total Environment* 687, 355-368. IF 5.393 (2015). IF 5.58

Book chapters:

- **CCANCCAPA, A.**, and Picó Y. (2017), Pesticides (New Generation) and Related Compounds, Analysis of. Encyclopedia of Analytical Chemistry. (<https://doi.org/10.1002/9780470027318.a1720.pub3>) Ed. Wiley, Ltd.

Last International Conferences

EXTECH 2017, 19th International Symposium on Advances in Extraction Technologies Santiago de Compostela (Spain) June, 2017

- Oral presentation **“Simultaneous determination of pyrethroids and pyrethrins by dispersive liquidliquid microextraction in water and sediment samples”** Ccanccapa, A.; Masià, A.; Picó, Y.

SECyTA 2016: XVI Scientific meeting of the Spanish Society of Chromatography and Related Technique Sevilla (Spain) September, 2016

- Poster presentation **“Simultaneous determination by HPLC of pyrethrins and pyrethroids in water and sediment samples”** Ccanccapa, A.; Masià, A.; Picó, Y.

European Geosciences Union (EGU) Viena (Austria) April, 2016

- Poster presentation **“Determination of seven pyrethroids and six pyrethrins in water by liquid chromatography/mass spectrometry”** Ccanccapa, A.; Masià, A.; Picó, Y.

12th LC/MS/MS Workshop on Environmental Applications and Food Safety Barcelona (Spain) July, 2016

- Poster presentation **“Assessment of the distribution and impact of pesticides along the Ebro River Basin”** Ccanccapa, A.; Masià, A.; Navarro-Ortega, A.; Picó, Y.; Barceló, D.
- Poster presentation **“Development and validation of an analytical method for the determination of pyrethrins and pyrethroids in fruit samples by LC-ESI-MS/MS”** Ccanccapa, A.; Masià, A.; Picó, Y.

SECyTA 2015: XV Scientific meeting of the Spanish Society of Chromatography and Related Technique Castellón (Spain) October, 2015

- Poster presentation **“Simultaneous determination of pyrethroids and pyrethrins in water and vegetables by liquid chromatography/mass spectrometry”** Ccanccapa, A.; Masià, A.; Picó, Y.

Additional Education

- Training **“Waters Xevo G2-XS QTOF instrumental management training”** September 2016. Conducted by Ministry of Environment and Climate Change of Ontario in Toronto, Canada.
- Seminar **“UHPLC Day”** July 2016. Conducted by Agilent in Valencia, Spain.
- Seminar **“Solutions for the preparation of samples in the analysis of residues in food matrices”** February 2016. Conducted by Waters in Valencia, Spain.
- Seminar **“GCxGC coupling and High Resolution Mass Spectrometry”** November, 2015. Conducted by Leco in Castellon, Spain.
- Seminar **“Practical and routine implementation of orthogonal technologies to increase sensitivity and resolution. Introduction of 2DLC systems, Online Enrichment, IMS-QTOF”** October 2015. Conducted by Agilent in Castellon, Spain.
- Seminar **“Importance of chromatographic separation in routine MS/MS analysis”** October 2015. Conducted by Waters in Valencia, Spain.
- Seminar **“The endocrine disorder phenomenon in the aquatic medium”** May 2015. Conducted by Biological Sciences Faculty in Valencia, Spain.
- Seminar **“Detoxification mechanisms in marine organisms: in vitro interaction with emerging pollutants”** April 2015. Conducted by Biological Sciences Faculty in Valencia, Spain.
- Seminar **“Speaking skills and oral argument”**. April 2015. University of Valencia.
- Seminar **“The transfer of research results”**. February 2015. University of Valencia.
- Seminar **“Calls for research grants”**. February 2015. University of Valencia.

Languages

- **Spanish:** native
- **English:** fluent

Technical Skills

- Microsoft Office (Word, Excel, PowerPoint) and similar programs.
- Geographic information systems (ArcGIS, ArcMap, etc.).
- Statistics software (Excel).
- Chromatogram management software (qualification and quantification of compounds in LC-MS with MassHunter).
- Setup and validation of analytical methods to determine environmental pollutants.
- Experience in water, sediment and soil sampling.