Dr. Alberto Escarpa

Alberto Escarpa is Full Professor of Analytical Chemistry at the University of Alcalá. He has received several highly prestigious awards such the NATO Fellowship to perform postdoctoral research at the New Mexico State University (USA) in 2001, the "Young Investigator Award" by the University of Alcala in 2003 and the International Dropsens Award “Best research work in applied electroanalytical chemistry” (finalist) in 2015. He served as guest professor in international Universities and research centers such as University of California San Diego (EEUU), International Center for Young Scientists in National Institute for Materials Science (Tsukuba, Japan) or CIDETEQ (Querétaro, Mexico). He has also been Visiting Professor in the Buenos Aires University and currently he is Visiting Professor in Universidad Nacional Agraria La Molina (Peru). Prof. Escarpa is also member of the Collegium of the PhD in Food Science at Teramo University (Italy).

He is the leader and founder of the research group “Analytical Miniaturization and Nanotechnology” since 2003. His main research interests are analytical miniaturization and nanotechnologies, new nanomaterials for optical and electrochemical (bio)-sensing, electrochemical microfluidics, lab-on-a-chip technology and self-propelled micromotors.

He has co-authored more than 170 peer-reviewed articles in leading international peer-review journals, 3 international patents and several book chapters, yielding an h-index of 47. He has recently been included in the top-1% of most cited chemists in the world, and in the top-145-ranked (#76) chemistry researchers in Spain. His works have been featured and highlighted in several occasions as cover in top journals (Angewandte Chemie International Edition, Chemical Science, Chemistry: A European Journal, Lab on a Chip, Analytical Chemistry, Analyst) and social scientific media (Chemical World from RSC), Separations Now from Wiley and C&EN news from ACS, Nanowerk). He has also supervised 14 PhD students and several postdoctoral researchers.

He has edited and authored several books including Miniaturization of analytical systems: principles, designs and applications (Wiley, 2009), Food Electroanalysis (2015, Wiley) and Carbon-based Nanomaterials in Analytical Chemistry (RSC, 2019). He has given more than 40 invited talks in highly international meetings about microfluidics and miniaturization of analytical chemistry.

He has given more than 45 invited lectures in the most prestigious conferences of micro and analytical nanotechnologies. He has also organized several international congresses such as I Workshop on Analytical Miniaturization and Lab on a Chip (WAM, 2008), VI Workshop Analytical Nanoscience and Nanotechnology (NyNA, 2013) or the 25th Latin American Capillary Electrophoresis and Microchip Technology (LACE, 2019).

He is member of the Editorial board of Analysis & Sensing, Electrophoresis, Applied Materials Today, Sensors and Journal of Nanobiotechnology. He has been Associate Editor for RSC Advances (2015-2019) and Associate Editor (2018-2019) for Microchimica Acta. He is currently Editor in Chief for Microchimica Acta.