



University of Messina

Prof. Dr. Peter Q. Tranchida

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences

CURRICULUM VITAE

Prof. Dr. Peter Q. Tranchida currently occupies a position as Associate Professor in Food Chemistry in the Department of Chemistry, Biological, Pharmaceutical and Environmental Sciences (University of Messina, Italy), where he holds the course “Food Chemistry and Dietary Products” (Master’s Degree in Pharmacy).

His research activities are focused mainly on the study of complex food samples by using advanced chromatography processes, such as fast and very-fast gas chromatographic systems. Furthermore, he has been devoted to the evaluation of ultimate generation stationary phases (i.e., ionic liquids), and, in particular, in the development and application of classical multidimensional and comprehensive two-dimensional chromatography systems. Specifically, he has performed a great deal of research work in the field of classical multidimensional gas chromatography, multidimensional liquid-gas chromatography, and comprehensive 2D gas chromatography (GC×GC). In terms of mass spectrometry systems, he currently uses rapid-scanning single quadrupole, triple quadrupole, and low- and high-resolution time-of-flight devices.

In the field GC×GC, he has performed applications, method optimization studies, and introduced a new form of flow modulation. In 2012, at the “9th GC×GC symposium”, held in Riva del Garda, he was awarded the “John Phillips Award”, for his outstanding achievements in the field of comprehensive two-dimensional gas chromatography. In 2019, at the “16th GC×GC symposium”, held in Fort Worth (Texas), he was awarded the “GC×GC Lifetime Achievement Award”.

Prof. Tranchida is currently Senior Editor of Journal of Separation Science (Wiley), Contributing Editor of Trends in Analytical Chemistry (Elsevier), and Editorial Board Member of Separations (MDPI). He has co-authored 147 scientific publications (Scopus database – 05/2021) and given over 300 oral/poster presentations in national and international meetings.