



**Università degli Studi di Messina**

**Prof. Luigi Mondello**

***SHORT CURRICULUM VITAE***

Prof. Dr. Luigi Mondello is Full Professor of Analytical Chemistry at the Chemical, Biological, Pharmaceutical and Environmental Sciences Department of the University of Messina, Italy. He received a degree in Chemistry from the University of Messina in 1991. Prof. Mondello teaches the course of Analytical Chemistry at the Chemical, Biological, Pharmaceutical and Environmental Sciences Department of the University of Messina and at the University Campus Bio-Medico in Rome, Italy. He has been Deputy for Research (Science and Technology Area) at the University of Messina and member of the Teaching Board of the Doctorate Course on “Chemistry Sciences”.

He is the author of about 536 publications (research articles, book chapters, and reviews) and 1306 conference presentations (of which 184 invited/plenary lectures), co-editor of the book “*Multidimensional Chromatography*” (John Wiley & Sons), co-editor of the book “*Citrus oil: Composition, Advanced Analytical Techniques, Contaminants, and Biological Activity*” (CRC Press - Taylor & Francis Group), editor of the book “*Comprehensive Chromatography in Combination with Mass Spectrometry*”, (“Wiley-Interscience Series on Mass Spectrometry”), and he has been chairman and invited lecturer in national and international congresses and meetings.

He has been Technical Director of Chromaleont s.r.l. Company incubated at the University of Messina until 10 March, 2020.

His research interests include high-resolution chromatography techniques (HRGC, HPLC, HRGC-MS, HPLC-MS, OPLC) and the development of hyphenated (LC-GC-MS, GC-GC) and multidimensional “comprehensive” (GC×GC, LC×LC, LC-GC×GC) with particular emphasis on coupling with mass spectrometry (hybrid, high-resolution, triple quadrupole, ion mobility spectrometers) and their application to the study of constituents and contaminants of complex natural matrices; the design of dedicated software for the processing of two-dimensional data and spectral libraries.

Prof. Mondello has been member of the organizing committees of national and international meetings and he is permanent member of the scientific committee of the: “22<sup>nd</sup> International Symposium on Separation Sciences” (ISSS 2016), “18<sup>th</sup> International Symposium on Advances in Extraction Technologies” (ExTech 2016), “39<sup>th</sup> International Symposium on Capillary Chromatography and the 12<sup>th</sup> GC×GC Symposium” (ISCC&GC×GC 2015), “20<sup>th</sup> International Symposium on Separation Sciences” (ISSS 2014), “37<sup>th</sup> International Symposium on Capillary Chromatography and the 10<sup>th</sup> GC×GC Symposium” (ISCC&GC×GC 2013), “12<sup>th</sup> International Symposium on Advances in Extraction Technologies” (ExTech 2010), “16<sup>th</sup> International Symposium on Separation Sciences” (ISSS 2010), “XII Congresso Nazionale di Chimica dell’Ambiente e dei Beni Culturali (2010), “11<sup>th</sup> International Symposium on Separation Sciences” (ISSS 2005). He has been member of the Scientific Committee of the “Workshop Symposium on Analytical and Preparative Enantioseparation” (Enantiosep ’07); “International Symposium on Capillary Chromatography” (ISCC), “International Symposium on Essential Oils” (ISEO), “International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers” (HTC), “Brazilian Symposium on Chromatography and Related Techniques” (SIMCRO), “Congresso Latino-Americano de Cromatografia e Técnicas Relacionadas” (COLACRO); He has been Chairman of the congress: “42<sup>nd</sup> International Symposium on Capillary Chromatography and 15<sup>th</sup> GC×GC Symposium” (ISCC&GC×GC 2018), “40<sup>th</sup> International Symposium on Capillary Chromatography and 13<sup>th</sup> GC×GC Symposium” (ISCC&GC×GC 2016), “39<sup>th</sup> International Symposium on Capillary Chromatography (ISCC) and the 12<sup>th</sup> GC×GC Symposium”, Forth Worth (Dallas), “38<sup>th</sup> International Symposium on Capillary Chromatography and 11<sup>th</sup> GC×GC Symposium” (ISCC&GC×GC 2014), “37<sup>th</sup> International Symposium on Capillary Chromatography (ISCC) and the 10<sup>th</sup> GC×GC Symposium”, Palm Springs, USA, “Incontri di Scienza delle Separazioni” (2013), “36<sup>th</sup> International Symposium on Capillary Chromatography and 9<sup>th</sup> GC×GC Symposium” (ISCC&GC×GC 2012), “14<sup>th</sup> International Symposium on Advances in Extraction Technologies” (ExTech 2012), “35<sup>th</sup> International Symposium on Essential Oils” (ISEO 2004); he has been Co-Chairman of the “34<sup>th</sup> International Symposium on Capillary Chromatography” (ISCC 2012).

Prof. Mondello has been President of the Steering Committee of the Italian Separation Science Group of the Italian Chemical Society (triennium 2016-2018), and is vice-President of the Division of Analytical Chemistry of the Italian Chemical Society (SCI) triennium 2019-2021, member of the expert team of “Chromedia” (Chromatography Knowledge Base), member of the *“International Committee for Excellence in Food and Nutrition”* (University Campus Bio-Medico, Rome, Italy), co-president and co-founder of *The Mediterranean Separation Science Foundation Training and Research Center*, he is member of the Central Technical Committee of the National System for the Accreditation of the Laboratory (ACCREDIA), has been member of the Consultant Committee for Biocides of the Italian Ministry for Health, member of the Technical Committee for the Didactical Coordination of the Degree Course on Human diet and nutrition sciences at the University Campus Bio-Medico in Rome, Italy, member of the Scientific Committee of the Instituto Internacional de Cromatografia (IIC), Sao Paulo, Brasile

Editor in Chief of the *“Journal of Essential Oil Research”* (Taylor & Francis), Editor of Analytical and Bioanalytical Chemistry (ABC), Springer, and Green Analytical Chemistry (Elsevier), he has been Editor of Journal of Separation Science (Wiley-VCH), of “Separation Science Plus” (Wiley-VCH), “Flavour and Fragrance Journal” (John Wiley & Sons) and Food Analytical Methods (Springer), and member of the Advisory Board of *Mass Spectrometry Reviews* (John Wiley & Sons), *LC-GC Europe* (Advanstar), *Separation Science* (Europe Edition), *Scientia Chromatographica* (Istituto Internacional de Cromatografia (IIC) ed Editora Atomo), *The Analytical Scientist* (Texere), *Advances in Sample Preparation* (Elsevier), and serves as reviewer for 80 different Journals in the field of Analytical Chemistry and Food Chemistry.

In February 2006 (York, U.K.) he was awarded with the *“HTC-Award for the most outstanding and innovative work in the field of hyphenated chromatographic techniques”*, from the Flemish Chemical Society. In May 2008 (Riva del Garda, Italy) he was awarded from “The Chromatographic Society” with the “Silver Jubilee Medal for his Considerable Contribution to the Development of Separation Sciences”. In October 2008 during the "Congresso Latino-Americano de Cromatografia e Técnicas Relacionadas" helded in Florianópolis, Brasil the "Instituto Internacional de Cromatografia" has assigned to Prof. Luigi Mondello the COLACRO Medal for his

contribution to the development and diffusion of the Chromatographic Techniques. In September 2012 during the Analytical Chemistry Division of the Italian Chemical Society Conference in Elba, Italy, he was awarded with the “Liberti Medal”. He has been awarded in “The Analytical Scientist Innovation Awards (TASIAs 2013 and 2015, 2016) and in September 2014 he has been the recipient of the IFEAT Medal by the International Federation of Essential Oils & Aroma Trades. He received the GCxGC Lifetime Achievements Award in 2016 at the 13<sup>th</sup> GCxGC Symposium in Riva del Garda Italy. On May 2017, at the 41<sup>st</sup> International Symposium on Capillary Chromatography in Fort Worth Texas (USA) he received the Golay Award.

In September 2017 has received the “Robert Kellner Lecture Award from the Division of Analytical Chemistry of the European Chemical Society (EuChemMS). In May 2019 he received the 209 Herbert J. Dutton Award from the Analytical Division of the AOCS.

He is present in the list of the “Top Italian Scientist (via-Academy) with h-Index of 61 with a relative position of 61 on about 357 chemists. The Analytical Scientist Journal has included his name in the “Power List” among the top 100 most influential people in the analytical sciences 2013 and 2015), “Le Migliori idee Imprenditoriali” – Second place for the University of Messina (conferred in 1991).

In November 2017 The Analytical Scientist Journal has included him in one of the top ten worldwide scientist in the field of Separation Science. The American Oil Chemist’s Society (AOCS) assigned the “Herbert J. Dutton Award” on May 2019 during the AOCS meeting in St. Louis, Missouri. On September 2020 the Presidium of the Committee of the Analytical Chemistry of the Polish Academy of Science and Polish Chemical Society assigned the Prof. A. Waksmundzki Medal Award. On December 2021 “The Chromatographic Society” has awarded him with the “A.J.P. Martin Medal for 2022 for his “outstanding contributions to the advancement of separation science”.

He is member of the Italian Chemical Society and of the EU Academy of Sciences (EUAS).

Up to December 21, 2021, has downloaded from the Institute for Scientific Information (ISI) he has got 505 (544 Scopus) papers, 12,160 (13,540 Scopus, 19,088 Google Scholar) times cited, 10,042 without self citations, with an Average Citation per Year of 434,29, an Average Citation per Item of 24,08 and an H-index of 56 (59 Scopus database and 69 Google Scholar).

Up to December 21, 2021, he has a total impact factor of about 1559.

