



## CURRICULUM VITAE

**Zoccali Mariosimone, PhD**

Cognome: Zoccali  
Nome: Mariosimone  
Posizione Attuale: Ricercatore post-doc presso la Cromaleont Srl, Università degli Studi di Messina, Viale Annunziata – 98168 - Messina, Italia  
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Nazionalità: Italiana

### CARRIERA ACCADEMICA

**Maggio 2015 - attuale**

***Borsa di studio***  
*Presso Chromaleont S.r.l.*

**Gennaio 2014 - Aprile 2015**

***Assegno di ricerca***  
Nell'ambito del progetto “*Recupero e valorizzazione dei prodotti di scarto e di trasformazione dell'industria agro-alimentare per lo sviluppo di alimenti funzionali, prodotti cosmeceutici e nutraceutici innovativi*”. *Hi-life – Health Products from the Industry of Foods*”, codice identificativo PON01\_01499: Identification and quantification of biologically active compounds isolated from the by-products of agricultural and food industries contained in food and cosmetic formulations

**Gennaio 2011 - Dicembre 2014**

***Dottorato di ricerca in Chimica e Sicurezza degli Alimenti XXVI Ciclo***  
*Dipartimento Farmaco-Chimico Università di Messina.*

**Gennaio 2011**

***Abilitazione all'Esercizio della Professione di Farmacista***  
*Dipartimento Farmaco-Chimico Università di Messina.*

**Ottobre 2010**

***Laurea Magistrale in Chimica e Tecnologia Farmaceutiche***  
Università degli Studi di Messina

Tesi sperimentale: "Pressure balancing Multidimensional Gas Chromatography for the analysis of complex samples"  
votazione 110/110

## **ESPERIENZE PROFESSIONALI**

**Attività di tirocinio Farmacia Cianci Gaetano** (Reggio Calabria) Gennaio 2009/10

## **RICONOSCIMENTI INTERNAZIONALI**

**Travel award by CASSS (California Separation Science Society)**

## **BORSE DI STUDIO**

Vincitore per gli anni accademici 01/02, 02/03, 03/04 di borsa di studio erogata per meriti dall'ERSU ( ex Opera Universitaria ) di Messina

## **CONOSCENZE LINGUISTICHE ED INFORMATICHE**

Ottima padronanza della lingua inglese grazie al coinvolgimento in diverse esperienze lavorative internazionali.

Conoscenza approfondita dei principali sistemi operativi in commercio (windows, mac, linux), dei pacchetti informatici di lavoro quali Office e programmi di grafica come Adobe Photoshop oltre a software di visualizzazione grafica ed elaborazione dati di metodiche cromatografiche (LC, GC, GC × GC)

## **ATTIVITÀ DI FORMAZIONE SCIENTIFICA:**

Nel quadro dell'attività di formazione, allo scopo di ampliare ed aggiornare la propria formazione culturale e scientifica, ha partecipato a convegni, seminari e corsi di formazione di seguito elencati:

01. Seminar on General Risks Present in Laboratories "Rischi Generali Presenti nei Laboratori" e "Principali Procedure Tecniche/Amministrative per lo Svolgimento in Sicurezza delle Attività Lavorative". Messina (Italia), March 3, 2011.
02. Seminar on "Nanoparticles Derived from Plant Virus" (by prof. Santi) and "Macronutrients and Integration of Metabolism" (by prof. Dugo). Messina (Italy), march 22, 2012.
03. Seminar by Waters "New Solutions for Environmental and Food Analysis". Messina (Italy), March 28, 2012.

04. Seminar on “Introduction to Mass Spectrometry” (by prof. Tranchida) e “Tandem Mass Spectrometry” (by prof. Saitta). Messina (Italia), March 30, 2012.
05. National training course on “Analytical and bioanalytical methods in Mass Spectrometry”. Parma (Italy), May 14-18, 2012.
06. Comprehensive Gas Chromatography (GC×GC) course, at the 36<sup>th</sup> International Symposium on Capillary Chromatography, Riva del Garda (Italy), May 27, 2012.
07. Seminar on “Characterization of the volatile fraction in foods of plant origin” (by prof. Bicchi). Messina (Italy), July 4, 2012.
08. Solid Phase Micro Extraction (SPME) course, at the 14<sup>th</sup> ExTech, Messina (Italia), September 26, 2012.
09. Seminar Waters “UltraPerformance – MS Technology Seminar”. Messina (Italy), June 5 2013.

## COMUNICAZIONI A CONGRESSI

1. Joint Congress 2011 – 35<sup>th</sup> International Symposium on Capillary Chromatography, 26<sup>th</sup> International Symposium on Microscale Bioseparations, 8th GCxGC symposium, May 1-5, San Diego, California (USA).  
P.Q. Tranchida, **M. Zoccali**, G. Purcaro, S. Moret, L. Conte, P. Dugo, L. Mondello.  
“A rapid and sensitive LC/GC (LCxGC) method for the determination of hydrocarbon contamination in vegetable oils”  
Comunicazione orale.
2. Joint Congress 2011 – 35<sup>th</sup> International Symposium on Capillary Chromatography, 26<sup>th</sup> International Symposium on Microscale Bioseparations, 8th GCxGC symposium, May 1-5, San Diego, California (USA).  
G. Purcaro, P.Q. Tranchida, **M. Zoccali**, S. Moret, L. Conte, P. Dugo, L. Mondello.  
“A rapid screening method for the detection of low levels of mineral oil in vegetable oils using comprehensive 2D GC”  
Comunicazione orale.
3. Incontri di Scienza delle Separazioni – Il contributo della Scienza delle Separazioni alle problematiche ambientali, Torino, 4-5 Maggio 2011.  
**Mariosimone Zoccali**, Danilo Sciarrone, Peter Quinto Tranchida, Luigi Mondello.  
“Analisi di diesel mediante un approccio “off-line” LC-GC×GC in combinazione con uno spettrometro di massa ad analizzatore quadrupolare a rapida scansione”  
Comunicazione orale.
4. 5<sup>th</sup> International Symposium on Recent Advances in Food Analysis (RAFA), November 1-4, 2011, Prague, Czech republic.  
Peter Tranchida, **Mariosimone Zoccali**, Giorgia Purcaro, Sabrina Moret, Lanfranco Conte, Paola Dugo, Luigi Mondello.  
“A rapid and sensitive multidimensional liquid-gas chromatography (LC-GC) method for the determination of hydrocarbon contamination in foods”  
Comunicazione orale.
5. HTC 12 Bruges, February 1<sup>st</sup> – 3<sup>rd</sup> 2012 Twelfth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatography Analysers.  
Peter Tranchida, **Mariosimone Zoccali**, Giorgia Purcaro, Lanfranco Conte, Luigi Mondello.

“Multidimensional liquid-gas (LC-GC) chromatography for the rapid determination of saturated Hydrocarbon contamination in food.”

Comunicazione orale.

6. Joint Congress 2012 – 36<sup>th</sup> International Symposium on Capillary Chromatography, 9th GCxGC symposium, May 27 - June 1, Riva del Garda, Italy.

**Mariosimone Zoccali**, Peter Q. Tranchida, Paola Dugo, Luigi Mondello.

“A measurement of fundamental chromatography parameters in conventional and split-flow comprehensive two-dimensional gas chromatography-mass spectrometry: a comparative study”

Comunicazione poster.

7. Joint Congress 2012 – 36<sup>th</sup> International Symposium on Capillary Chromatography, 9th GCxGC symposium, May 27 - June 1, Riva del Garda, Italy.

**Mariosimone Zoccali**, Peter Q. Tranchida, Paola Dugo, Luigi Mondello.

“Determination of saturated-hydrocarbon contamination in baby foods by using on-line liquid-gas chromatography and off-line liquid-comprehensive gas chromatography combined with mass spectrometry”

Comunicazione poster.

8. “ChimAlSi\_2012” IX<sup>o</sup> Italian Congress of Food Chemistry, Ischia, Italy, June 03-07, 2012.

Peter Q. Tranchida, **Mariosimone Zoccali**, Paola Dugo, Giovanni Dugo, Luigi Mondello.

“Multidimensional liquid-gas (LC-GC) chromatography for the rapid determination of saturated hydrocarbon contamination in baby food”

Comunicazione poster.

9. ExTech 2012 – 14<sup>th</sup> International Symposium on Advances in Extraction Technologies, Messina, Italy, September 24-26.

**Mariosimone Zoccali**, Peter Q. Tranchida, Giorgia Purcaro, Lanfranco Conte, Paola Dugo, Luigi Mondello.

“Determination of mineral oil saturated-hydrocarbon contamination in baby foods by using on-line LC-GC and off-line LC-GC×GC combined with mass spectrometry”

Comunicazione poster.

10. ExTech 2012 – 14<sup>th</sup> International Symposium on Advances in Extraction Technologies, Messina, Italy, September 24-26.

Flavio A. Franchina, **Mariosimone Zoccali**, Peter Q. Tranchida, Paola Dugo, Luigi Mondello.

“SPME-(Fast) GC combined with high-speed triple quadrupole mass spectrometry for the unknown and target analysis of pesticides in tea samples”

Comunicazione poster.

11. ExTech 2012 – 14<sup>th</sup> International Symposium on Advances in Extraction Technologies, Messina, Italy, September 24-26.

Peter Q. Tranchida, **Mariosimone Zoccali**, Flavio A. Franchina, Paola Dugo, Luigi Mondello.

“Enhanced selectivity and sensitivity of SPME-fast GC in combination with a novel high-speed triple-quad mass spectrometer in food analysis”

Comunicazione orale.

12. 37<sup>th</sup> International Symposium on Capillary Chromatography, and 10<sup>th</sup> GC×GC Symposium, Palm Springs, USA, May 12-16, 2013.

Flavio Franchina, **Mariosimone Zoccali**, Peter Tranchida, Luigi Mondello.

“High sensitivity flow-modulated two-dimensional gas chromatography-mass spectrometry”.

Comunicazione poster.

13. 37<sup>th</sup> International Symposium on Capillary Chromatography, and 10<sup>th</sup> GC×GC Symposium, Palm Springs, USA, May 12-16, 2013.  
**Mariosimone Zoccali**, Flavio Franchina, Simona Salivo, Sebastiano Pantò, Peter Tranchida, Luigi Mondello.  
“SPE GC-HR ToF MS analysis of pesticides in olive oil: comparison with GC-MSMS”.  
Comunicazione poster.
14. 37<sup>th</sup> International Symposium on Capillary Chromatography, and 10<sup>th</sup> GC×GC Symposium, Palm Springs, USA, May 12-16, 2013.  
Danilo Sciarrone, **Mariosimone Zoccali**, Flavio Franchina, Peter Quinto Tranchida, Luigi Mondello.  
“Combining liquid chromatography and comprehensive two-dimensional gas chromatography-mass spectrometry: a powerful approach for the determination of mineral oil food contamination”.  
Comunicazione poster.
15. XVII EuroAnalysis, Warszawa Poland, 25-29 August 2013.  
Danilo Sciarrone, Flavio Franchina, **Mariosimone Zoccali**, Peter Tranchida, Paola Dugo, Luigi Mondello. “Fast SPME GC coupled with high-speed triple quadrupole mass spectrometry for the untargeted and targeted analysis of tea samples”.  
Comunicazione poster.
16. XVII EuroAnalysis, Warszawa Poland, 25-29 August 2013.  
Danilo Sciarrone, **Mariosimone Zoccali**, Ivana Bonaccorsi, Peter Tranchida, Paola Dugo, Giovanni Dugo, Luigi Mondello. “LC coupled to comprehensive GC×GC/MS: A powerful approach for highly-detailed essential oil analysis”.  
Comunicazione poster.
17. 44<sup>th</sup> International Symposium on Essential Oils, Budapest Hungary 8-12 September 2013.  
“Fast Gas Chromatography Combined With a High-Speed Triple Quadrupole Mass Spectrometer for the Analysis of Unknown and Target Citrus Essential Oil Volatiles”  
**M. Zoccali**, F. Franchina, D. Sciarrone, I. Bonaccorsi, P.Q. Tranchida, P. Dugo, G. Dugo, L. Mondello.  
Comunicazione poster.
18. 44<sup>th</sup> International Symposium on Essential Oils, Budapest Hungary, 8-12 September 2013.  
“A new powerful approach for highly-detailed essential oil analysis: the off-line combination of high performance liquid chromatography and comprehensive two-dimensional gas chromatography-mass spectrometry”  
**M. Zoccali**, D. Sciarrone, I. Bonaccorsi, P.Q. Tranchida, P. Dugo, G. Dugo, L. Mondello.  
Comunicazione poster.
19. 19<sup>th</sup> International Symposium on Separation Sciences, Poreč Croatia, 25-28 September 2013.  
“High sensitivity flow-modulated comprehensive two dimensional gas chromatography-mass spectrometry”  
P.Q. Tranchida, F.A. Franchina, **M. Zoccali**, P. Dugo, L. Mondello.  
Comunicazione orale.
20. 19<sup>th</sup> International Symposium on Separation Sciences, Poreč Croatia, 25-28 September 2013.  
“Fast spme gc coupled with high-speed triple quadrupole mass spectrometry for the untargeted and targeted analysis of tea samples”  
F.A. Franchina, **M. Zoccali**, P.Q. Tranchida, R. Costa, P. Dugo, L. Mondello.  
Comunicazione poster.

21. 6<sup>th</sup> International Symposium on RECENT ADVANCES IN FOOD ANALYSIS, Prague, Czech Republic, November 5–8, 2013.  
“Potential and advantages of using a high performance liquid chromatography pre-separation step, prior to comprehensive two-dimensional gas chromatography–mass spectrometry essential oil analysis”  
**Mariosimone Zoccali**, Danilo Sciarrone, Peter Q. Tranchida, Flavio A. Franchina, Paola Dugo, Luigi Mondello.  
Comunicazione orale.
22. 6<sup>th</sup> International Symposium on RECENT ADVANCES IN FOOD ANALYSIS, Prague, Czech Republic, November 5–8, 2013.  
“Fast gc combined with a high-speed triple quadrupole mass spectrometer for the simultaneous analysis of unknown and target citrus essential oil analytes”  
**Mariosimone Zoccali**, Flavio Franchina, Peter Tranchida, Ana Gabriela Buglia, Paola Dugo, Luigi Mondello.  
Comunicazione poster.
23. 6<sup>th</sup> International Symposium on RECENT ADVANCES IN FOOD ANALYSIS, Prague, Czech Republic, November 5–8, 2013.  
“Fast spme gc coupled with high-speed triple quadrupole mass spectrometry for the simultaneous analysis of untargeted and targeted tea volatiles”  
**Mariosimone Zoccali**, Peter Q. Tranchida, Sebastiano Pantò, Carla Ragonese, Paola Dugo, Luigi Mondello.  
Comunicazione poster.
24. Incontri di Scienza delle Separazioni, Messina, Italia, 28-29 novembre 2013.  
“Benefici dell’approccio “off-line” LC-GC×GC in combinazione con uno spettrometro di massa per lo studio di oli essenziali di citrus”  
**Mariosimone Zoccali**, Peter Q. Tranchida, Giovanni Dugo, Luigi Mondello.  
Comunicazione poster.
25. 13<sup>th</sup> International Symposium on Hyphenated Techniques in Chromatography, Bruges, Belgium, January 28-31, 2014.  
“Benefits of using High-Performance Liquid Chromatography pre/separation step, prior to comprehensive two/dimensional gas chromatography-mass spectrometry essential oil analysis”  
Flavio Antonio Franchina, Peter Quinto Tranchida, **Mariosimone Zoccali**, Paola Dugo, Luigi Mondello.  
Comunicazione poster.
26. 13<sup>th</sup> International Symposium on Hyphenated Techniques in Chromatography, Bruges, Belgium, January 28-31, 2014.  
“A new analytical perspective in flow-modulated comprehensive two-dimensional gas chromatography”  
Peter Tranchida, Flavio Franchina, Mariosimone Zoccali, Paola Dugo, Luigi Mondello.  
Comunicazione orale.
27. 13<sup>th</sup> International Symposium on Hyphenated Techniques in Chromatography, Bruges, Belgium, January 28-31, 2014.  
“High sensitivity flow-modulated two-dimensional gas chromatography-mass spectrometry”  
Flavio Antonio Franchina, Peter Quinto Tranchida, **Mariosimone Zoccali**, Paola Dugo, Luigi Mondello.  
Comunicazione poster.

28. 13<sup>th</sup> International Symposium on Hyphenated Techniques in Chromatography, Bruges, Belgium, January 28-31, 2014.  
 “Fast SPME-GC coupled with triple quadrupole mass spectrometry for the simultaneous untargeted and targeted analysis of foods”  
 Flavio Antonio Franchina, Peter Quinto Tranchida, **Mariosimone Zoccali**, Paola Dugo, Luigi Mondello.  
 Comunicazione poster.
29. 38<sup>th</sup> International Symposium on Capillary Chromatography, 11<sup>th</sup> GCxGC symposium, May 18-23, Riva del Garda, Italy.  
 “On-line liquid chromatography-comprehensive 2D gas chromatography-triple quad mass spectrometry: a powerful and flexible 4D separation-science tool”  
**Mariosimone Zoccali**, Flavio A. Franchina, Maria E. Machado, Claudia Zini, Elina B. Caramao, Peter Q. Tranchida, Luigi Mondello.  
 Comunicazione orale.
30. 38<sup>th</sup> International Symposium on Capillary Chromatography, 11<sup>th</sup> GCxGC symposium, May 18-23, Riva del Garda, Italy.  
 “The off-line combination of high performance liquid chromatography and comprehensive two-dimensional gas chromatography-mass spectrometry: a new powerful approach for highly-detailed essential oil analysis”  
**Mariosimone Zoccali**, Peter Q. Tranchida, Paola Dugo, Giovanni Dugo, Luigi Mondello.  
 Comunicazione poster.
31. 38<sup>th</sup> International Symposium on Capillary Chromatography, 11<sup>th</sup> GCxGC symposium, May 18-23, Riva del Garda, Italy.  
 “The on-line combination of liquid chromatography-large volume injection-comprehensive two dimensional gas chromatography-triple quad mass spectrometry: a powerful four-dimensional separation-science tool”  
**Mariosimone Zoccali**, Peter Q. Tranchida, Paola Dugo, Luigi Mondello  
 Comunicazione poster.
32. 30<sup>th</sup> International Symposium on Chromatography, September 14-18, 2014, Salzburg, Austria.  
 “A powerful four-dimensional separation-science tool: on-line liquid chromatography-comprehensive two dimensional gas chromatography-triple quad mass spectrometry”  
**Mariosimone Zoccali**, Flavio A. Franchina, Maria E. Machado, Claudia Zini, Elina B. Caramao, Peter Q. Tranchida, Luigi Mondello  
 Comunicazione orale.
33. The 18<sup>th</sup> Annual Meeting of the Israel Analytical Chemistry Society, January 14-15, 2015, Tel Aviv, Israel.  
 “A powerful four-dimensional separation-science tool: on-line liquid chromatography-comprehensive two dimensional gas chromatography-triple quad mass spectrometry”  
 Peter Tranchida, **Mariosimone Zoccali**, Flavio Franchina, Luigi Mondello  
 Comunicazione poster.
34. Emerging Separations Technologies, March 26, 2015, London, UK.  
 “Comprehensive 2D GC combined with novel MS instrumentation: powerful unified tools for the analysis of complex samples”  
 Luigi Mondello, Peter Q. Tranchida, Flavio A. Franchina, **Mariosimone Zoccali**.  
 Comunicazione orale.
35. The 4<sup>th</sup> analytica Vietnam Conference 2015, April 15-16, 2015, Ho Chi Minh City, Vietnam.  
 “A powerful five-dimensional separation-science tool: On-line combination of liquid chromatography-large volume injection-comprehensive two-dimensional gas chromatography-triple quad mass spectrometry”  
**M. Zoccali**, P.Q. Tranchida, P. Dugo, D. Sciarrone, G. Purcaro, L. Mondello.  
 Comunicazione poster.

36. 106<sup>th</sup> AOCS Annual Meeting and Industry Showcases, May 3-6, 2015, Rosen Shingle Creek, Orlando, Florida, USA.  
“Improvement in MOAH Quantification in Edible Oils: Retention of Olefins by Using a Novel Liquid-Liquid Gas Chromatography (LC-LC-GC) Method”  
**M. Zoccali**, L. Barp, G. Purcaro, D. Sciarrone, P.Q. Tranchida, L. Mondello.  
Comunicazione poster.
37. 39<sup>th</sup> International Symposium on Capillary Chromatography, 12<sup>th</sup> GCxGC symposium, May 16<sup>th</sup> – 21<sup>th</sup>, 2015, Fort Worth, Texas USA  
“On-line combination of liquid chromatography-large volume injection-comprehensive two-dimensional gas chromatography-triple quad mass spectrometry: a powerful 5-D separation-science tool”  
**Mariosimone Zoccali**, Giorgia Purcaro, Peter Q. Tranchida, Paola Dugo, Luigi Mondello.  
Comunicazione orale.
38. 39<sup>th</sup> International Symposium on Capillary Chromatography, 12<sup>th</sup> GCxGC symposium, May 16<sup>th</sup> – 21<sup>th</sup>, 2015, Fort Worth, Texas USA  
“GC×GC: a powerful tool for a comprehensive evaluation of food quality, authenticity, and safety”  
Giorgia Purcaro, Laura Barp, **Mariosimone Zoccali**, Flavio A. Franchina, Peter Q. Tranchida, Sabrina Moret, Lanfranco S. Conte, Luigi Mondello.  
Comunicazione orale.
39. 39<sup>th</sup> International Symposium on Capillary Chromatography, 12<sup>th</sup> GCxGC symposium, May 16<sup>th</sup> – 21<sup>th</sup>, 2015, Fort Worth, Texas USA  
“Direct immersion solid-phase microextraction followed by fast gas chromatography coupled with triple quadrupole mass spectrometry for the analysis of phthalate esters in vegetable oils”  
Laura Barp, Flavio A. Franchina, **Mariosimone Zoccali**, Danilo Sciarrone, Peter Q. Tranchida, Giorgia Purcaro, Luigi Mondello.  
Comunicazione orale.
40. 39<sup>th</sup> International Symposium on Capillary Chromatography, 12<sup>th</sup> GC×GC symposium, May 16<sup>th</sup> – 21<sup>th</sup>, 2015, Fort Worth, Texas USA  
“On-line liquid chromatography for efficient removal of olefins prior to the gas chromatography determination of mineral oil contamination in vegetable oils”  
**Mariosimone Zoccali**, Laura Barp, Giorgia Purcaro, Danilo Sciarrone, Peter Q. Tranchida, Luigi Mondello.  
Comunicazione poster.
41. 18<sup>th</sup> edition of EuroAnalysis. The European Conference on Analytical Chemistry, September 6<sup>th</sup> – 10<sup>th</sup>, 2015 Bordeaux, France  
“MINERAL OIL DETERMINATION IN VEGETABLE OILS: AN INNOVATIVE ON-LINE LIQUID-GAS CHROMATOGRAPHY METHOD FOR EFFICIENT REMOVAL OF OLEFINS”  
Giorgia Purcaro, Laura Barp, **Mariosimone Zoccali**, Danilo Sciarrone, Peter Q. Tranchida, Luigi Mondello.  
Comunicazione poster.

## PUBBLICAZIONI

1. Peter Quinto Tranchida, **Mariosimone Zoccali**, Giorgia Purcaro, Sabrina Moret, Lanfranco Conte, Marco Beccaria, Paola Dugo, Luigi Mondello.  
A rapid multidimensional liquid-gas chromatography method for the analysis of mineral oil saturated hydrocarbons in vegetable oils.  
J. Chromatogr. A 2011 Oct 21; 1218:7476-80.
2. Peter Q. Tranchida, **Mariosimone Zoccali**, Paola Dugo, and Luigi Mondello



Rapid multidimensional liquid-gas chromatography for the analysis of saturated hydrocarbon contamination in foods containing vegetable oil.

LC-GC Europe 2012 January 1; 25(4):20-25.

3. Luigi Mondello, **Mariosimone Zoccali**, Giorgia Purcaro, Flavio Antonio Franchina, Danilo Sciarrone, Sabrina Moret, Lanfranco Conte, Peter Quinto Tranchida.  
Determination of saturated-hydrocarbon contamination in baby foods by using on-line liquid-gas chromatography and off-line liquid chromatography-comprehensive gas chromatography combined with mass spectrometry.  
J. Chromatogr. A 2012 September 16; 1259:221-226.
4. Peter Quinto Tranchida, **Mariosimone Zoccali**, Flavio Antonio Franchina, Paola Dugo, Luigi Mondello.  
Measurement of fundamental chromatography parameters in conventional and split-flow comprehensive two-dimensional gas chromatography-mass spectrometry: a focus on the importance of second-dimension injection efficiency.  
J. Sep. Sci. 2013 January 1; 36:212-218.
5. Giorgia Purcaro, **Mariosimone Zoccali**, Peter Quinto Tranchida, Laura Barp, Sabrina Moret, Lanfranco Conte, Paola Dugo, Luigi Mondello.  
Comparison of two different multidimensional liquid-gas chromatography interfaces for the determination of mineral oil saturated hydrocarbon in foodstuff.  
Anal. Bioanal. Chem. 2013; 405:1077-1084.
6. Peter Quinto Tranchida, **Mariosimone Zoccali**, Flavio Antonio Franchina, Ivana Bonaccorsi, Paola Dugo, Luigi Mondello.  
Fast gas chromatography combined with a high-speed triple quadrupole mass spectrometer for the analysis of unknown and target citrus essential oil volatiles.  
J. Sep. Sci. 2013 February; 36:511-516.
7. Peter Quinto Tranchida, Flavio Antonio Franchina, **Mariosimone Zoccali**, Sebastiano Pantò, Danilo Sciarrone, Paola Dugo, Luigi Mondello.  
Untargeted and targeted comprehensive two-dimensional GC analysis using a novel unified high-speed triple quadrupole mass spectrometer.  
J. Chromatogr. A 2013 February; 1278:153-159.
8. Peter Quinto Tranchida, **Mariosimone Zoccali**, Luisa Schipilliti, Danilo Sciarrone, Paola Dugo, Luigi Mondello.  
Solid-phase microextraction-fast gas chromatography combined with a high-speed triple quadrupole mass spectrometer for targeted and untargeted food analysis.  
J. Sep. Sci. 2013 July; 36:2145-2150.
9. Peter Quinto Tranchida, Flavio Antonio Franchina, **Mariosimone Zoccali**, Ivana Bonaccorsi, Francesco Cacciola, Luigi Mondello.  
A direct sensitivity comparison between flow-modulated comprehensive 2- and 1-d gc in untargeted and targeted msbased experiments.  
J. Sep. Sci. 2013 September; 36:2746-2752.
10. Peter Quinto Tranchida, **Mariosimone Zoccali**, Ivana Bonaccorsi, Paolo Dugo, Luigi Mondello, Giovanni Dugo.  
The Off-Line Combination Of High Performance Liquid Chromatography And Comprehensive Two-Dimensional Gas Chromatography-Mass Spectrometry: A Powerful Approach For Highly-Detailed Essential Oil Analysis

J. Chromatogr. A 2013 August; 1305:276-284.

11. Peter Q. Tranchida, **Mariosimone Zoccali**, Flavio A. Franchina, Antonella Cotroneo, Paolo Dugo, Luigi Mondello.  
Gas velocity at the point of re-injection: an additional parameter in comprehensive two-dimensional gas chromatography optimization.  
J. Chromatogr. A 2013 November; 1314:216-223.
12. **Mariosimone Zoccali**, Peter Q. Tranchida, Luigi Mondello.  
On-Line Combination of High Performance Liquid Chromatography with Comprehensive Two-Dimensional Gas Chromatography-Triple Quadrupole Mass Spectrometry: A Proof of Principle Study.  
Anal. Chem. 2014 December; 87:1911-1918.
13. Laura Barp, Giorgia Purcaro, Flavio A. Franchina, **Mariosimone Zoccali**, Danilo Sciarrone, Peter Q. Tranchida, Luigi Mondello.  
Determination of phthalate esters in vegetable oils using direct immersion solid-phase microextraction and fast gas chromatography coupled with triple quadrupole mass spectrometry.  
Analytica Chimica Acta 2015 August; 887:237-244.
14. **Mariosimone Zoccali**, Ivana L. Bonaccorsi, Peter Q. Tranchida, Paola Dugo, Luigi Mondello, Giacomo Dugo.  
Analysis of the sesquiterpene fraction of citrus essential oils by using the off-line combination of high performance liquid chromatography and gas chromatography-based methods: a comparative study.  
Flavour and Fragrance Journal 2015 July; 30:411-422.
15. **Mariosimone Zoccali**, Laura Barp, Marco Beccaria, Danilo Sciarrone, Giorgia Purcaro, Luigi Mondello.  
Improvement in mineral oil saturated and aromatic hydrocarbons determination in edible oil by liquid-liquid-gas chromatography with dual detection.  
J. Sep. Sci. Accepted

## **ATTIVITA' DI REVIEWER**

Svolge attività di reviewer per le seguenti riviste scientifiche internazionali "Journal of Separation Science" "Industrial Crops and Products" e "Journal of Essential Oil Research"

**Socio della Società Chimica Italiana, codice di tessera 18068**

Dott. Mariosimone Zoccali