



Carmela Maria Montone

PRESENTAZIONE

Scopus Author ID: 57194015456 ORCID: <https://orcid.org/0000-0002-2953-5696>

ESPERIENZA LAVORATIVA

Assegnista di ricerca di categoria B

[01/11/2019 – Attuale]

Indirizzo: Roma (Italia)

Paese: Italia

01/11/2019-31/10/2021: **assegnista di ricerca di categoria B** presso il Dipartimento di Chimica, Facoltà di Scienze Matematiche, Fisiche e Naturali, Università degli Studi di Roma "La Sapienza". Titolo del progetto: ORIGAMI (BiORaffineria InteGratA per la produzione di biodiesel da Microalghe) (Settore Scientifico Disciplinare CHIM/01).

ISTRUZIONE E FORMAZIONE

Dottorato di ricerca in Scienze Chimiche

Università degli Studi di Roma "La Sapienza" [19/12/2019]

Indirizzo: Roma (Italia)

Voto finale : OTTIMO con lode

Tesi: *"Identificazione di composti bioattivi in matrici agroalimentari e prodotti di scarto"*

Visiting student

University of Malmö (Svezia), Biofilms Research Center for Biointerfaces del Prof. Börje Sellergre [05/11/2018 – 05/05/2019]

Indirizzo: Malmö (Svezia), Utrecht (Paesi Bassi)

Titolo del progetto: *Development of molecular imprinted polymers selective for the enrichment of sulfopeptides in biological samples*

Abilitazione alla Professione di CHIMICO

Università degli Studi di Roma "La Sapienza" [2017]

Laurea Magistrale in Chimica Analitica LM-54 - SCIENZE CHIMICHE

Università degli Studi di Roma "La Sapienza" [16/09/2016]

Indirizzo: Roma (Italia)

Voto finale : 110/110 e lode

Tesi: *"Stress ossidativo nei neonati pretermine: una nuova metodologia analitica per lo screening e il dosaggio di antiossidanti liposolubili in matrici biologiche non convenzionali"*. Relatore: Prof.ssa A. Gentili



Laurea triennale in Chimica L-27 - SCIENZE E TECNOLOGIE CHIMICHE

Università degli Studi di Salerno [29/10/2014]

Indirizzo: Salerno (Italia)

Tesi: "Valutazione del contenuto in oli per e-cig" Relatore Prof. T. Caruso

Diploma di Maturità Scientifica

Liceo Scientifico Enrico Medi, Battipaglia (SA) [07/2010]

COMPETENZE LINGUISTICHE

Lingua madre:

italiano

Altre lingue:

inglese

ASCOLTO B2 LETTURA B2 SCRITTURA B2

PRODUZIONE ORALE B1 INTERAZIONE ORALE B1

COMPETENZE DIGITALI

Padronanza del Pacchetto Office (Word Excel PowerPoint ecc) / Posta elettronica / Utilizzo del browser

COMPETENZE PROFESSIONALI

Attività scientifiche di ricerca

I risultati dell'attività scientifica della Dott.ssa Montone hanno prodotto 50 pubblicazioni su riviste scientifiche internazionali, 10 comunicazioni orali e 26 poster a congressi nazionali ed internazionali.

Le tematiche delle ricerche svolte hanno come oggetto lo sviluppo e la validazione di metodi analitici innovativi basati sulla cromatografia liquida accoppiata alla spettrometria di massa tandem a bassa ed alta risoluzione per la determinazione multianalitica di sostanze naturali e di origine antropica in matrici di tipo ambientale, alimentare, vegetale e biologico.

L'attività scientifica può essere suddivisa in cinque principali linee di ricerca: proteomica e peptidomica (A), peptidomica di peptidi a catena corta (B), lipidomica (C), metabolomica (D) e analisi di piccole molecole in campo alimentare, ambientale e biologico (E).



PREMI E RICONOSCIMENTI

Premi e riconoscimenti

Premio Giovane Ricercatore Bioanalitica 2021, assegnato dal Gruppo di Bioanalitica della Divisione di Chimica Analitica,

Società Chimica Italiana (SCI)

Premio per il miglior poster al XXVII National Congress of the Analytical Chemistry Division of the Italian Chemical Society, Bologna 16-20 settembre 2018

Premio di Laurea 2017, assegnato dalla Divisione di Chimica Analitica, Società Chimica Italiana (SCI)

Premio "Laureato Eccellente" per l'anno accademico 2016/2017, assegnato dall'Università degli Studi di Roma "La Sapienza", 11 maggio 2017

Borse di Studio

Borsa di Studio del valore di cento (100) euro per partecipare al XXVII Congress of the Italian Chemical Society SCI, on-line congress, 14-23 settembre 2021

Borsa di Studio del valore di centocinquanta (150) euro per partecipare agli Incontri di Scienza delle Separazioni 2019, Napoli, 28-29 novembre 2019

Borsa di Studio del valore di duecentotrenta (230) euro per partecipare al XXVIII Congress of the Italian Chemical Society SCI, Bari, 22-26 settembre 2019

Borsa di Studio del valore di duecentosettanta (270) euro per partecipare al 48TH International Symposium on High-Performance Liquid Phase Separations and Related Techniques (HPLC2019), Milano, 16-20 giugno 2019

Borsa di Studio del valore di duecentosettanta (270) euro per partecipare al XXVII Congress of the Italian Chemical Society SCI, Bologna, 16-20 settembre 2018

Borsa di Studio del valore di duecento (200) euro per partecipare al XXVI National Congress of the Italian Chemical Society SCI, Paestum, 10-14 settembre 2017

Borsa di Studio del valore di centocinquanta (150) euro per partecipare alle Giornate di Chimica Analitica in memoria del Prof. Francesco Dondi organizzate Gruppo Interdivisionale di Scienza delle Separazioni in collaborazione con il Gruppo Divisionale di Bioanalitica, Ferrara 10-11 luglio 2017



PROGETTI DI RICERCA FINANZIATI

Progetti di ricerca finanziati (responsabile scientifico)

"Progetto per Avvio alla Ricerca - Tipo 1" anno 2018, *"Characterization of polar lipids in Spirulina Microalgae: lipidomic approaches for identification of new potential bioactive lipids"*, Università degli Studi di Roma "La Sapienza", numero protocollo: AR11816435BF9553, finanziamento: Euro 1.190

"Progetto per Avvio alla Ricerca - Tipo 1" anno 2017, : *"Estrazione magnetica di micotossine da diverse tipologie di farina"* Università degli Studi di Roma "La Sapienza", numero protocollo: AR11715C78D45B81, finanziamento: Euro 1.300

Progetti di ricerca finanziati (partecipante)

Progetto finanziato dalla Sapienza: Phytocannabinoid profiling in different industrial hemp (Cannabis Sativa L.) samples. PI: Chiara Cavaliere

Progetto finanziato dal MUR: Integrated biorefinery for the production of biodiesel from microalgae , ORIGAMI PI: Simone Ferrari

Progetto finanziato dall' INAIL: Comparison between classical microbiology and alternative chemical techniques, molecular biology, metagenomics and metaproteomics, for the study of bioaerosol in the workplace. PI: Anna Laura Capriotti

Progetto finanziato da AGER: Valorization of Italian OLive products through INnovative analytical tools - VIOLIN. PI: Anna Laura Capriotti

ATTIVITÀ DI INSEGNAMENTO

Attività di insegnamento

A. A. 2020-2021: **Corso per Dottorandi in Scienze Chimiche**, Università degli Studi di Roma "La Sapienza"
Titolo del corso: Metabolomica (3CFU)

Attività di Tutoraggio

Vincitrice dell'incarico di tutoraggio ex legge n. 170 del 2003. Bando n. 5/2018 Insegnamento dei corsi di base di Chimica del Corso di Laurea triennale in Biotecnologie agro-industriali (II semestre) (40 ore)

Vincitrice del Bando n. 99/2017 Prot. n. 2383 Incarico di tutoraggio a supporto delle azioni previste dal piano lauree scientifiche (40 ore)

Vincitrice dell'incarico di tutoraggio ex legge n. 170 del 2003. Bando n. 12/2017 Insegnamento di Chimica Generale ed Inorganica del Corso di Laurea in Biotecnologie Agro -Industriali (II semestre) (40 ore)



PUBBLICAZIONI SU RIVISTE INTERNAZIONALI

1- Liquid chromatography-high resolution mass spectrometry for the analysis of phytochemicals in vegetal-derived food and beverages

[2017]

G. La Barbera, A.L. Capriotti, C. Cavaliere, **C.M. Montone**, S. Piovesana, R. Samperi, R. Zenezini Chiozzi, A. Laganà. Liquid chromatography-high resolution mass spectrometry for the analysis of phytochemicals in vegetal-derived food and beverages. *Food Research International*, 2017, 100:28-52. DOI: 10.1016/j.foodres.2017.07.080

2- A rapid magnetic solid phase extraction method followed by liquid chromatography- tandem mass spectrometry analysis for the determination of mycotoxins in cereals

[2017]

G. La Barbera, A. L. Capriotti, C. Cavaliere, P. Foglia, **C. M. Montone**, R. Zenezini Chiozzi, A. Laganà A rapid magnetic solid phase extraction method followed by liquid chromatography- tandem mass spectrometry analysis for the determination of mycotoxins in cereals, *Toxins* 2017, 9(4), doi: 10.3390/toxins9040147

3- Label free shotgun proteomics approach to characterize muscle tissue from farmed and wild European sea bass (*Dicentrarchus labrax*)

[2018]

R. Zenezini Chiozzi, A.L. Capriotti, C. Cavaliere, G. La Barbera, **C.M. Montone**, S. Piovesana, A. Laganà. Label free shotgun proteomics approach to characterize muscle tissue from farmed and wild European sea bass (*Dicentrarchus labrax*). *Food Analytical Methods*, 2018, 292-301. DOI: 10.1007/s12161-017-0999-7

4- Chromatographic column evaluation for the untargeted profiling of glucosinolates in cauliflower by means of ultra-high performance liquid chromatography coupled to high resolution mass spectrometry

[2018]

A.L. Capriotti, C. Cavaliere, G. La Barbera, **C.M. Montone**, S. Piovesana, R. Zenezini Chiozzi, A. Laganà, Chromatographic column evaluation for the untargeted profiling of glucosinolates in cauliflower by means of ultra-high performance liquid chromatography coupled to high resolution mass spectrometry. *Talanta*, 2018, 179:792-802. DOI: doi.org/10.1016/j.talanta.2017.12.019

5- Peptidomic strategy for purification and identification of potential ACE-Inhibitory and antioxidant peptides in *Tetrademus obliquus* microalgae

[2018]

C.M. Montone, A.L. Capriotti, C. Cavaliere, G. La Barbera, S. Piovesana, R. Zenezini Chiozzi, A. Laganà. Peptidomic strategy for purification and identification of potential ACE-Inhibitory and antioxidant peptides in *Tetrademus obliquus* microalgae. *Analytical and Bioanalytical Chemistry*, 2018, 410:3573-3586. DOI: 10.1007/s00216-018-0925-x

6- Saliva as a source of new phosphopeptide biomarkers: development of a comprehensive analytical method based on shotgun peptidomics

[2018]

G. La Barbera, A.L. Capriotti, C. Cavaliere, F. Ferraris, **C.M. Montone**, S. Piovesana, R. Zenezini Chiozzi, A. Laganà. Saliva as a source of new phosphopeptide biomarkers: development of a comprehensive analytical method based on shotgun peptidomics. *Talanta*, 2018, 183:245-249. DOI: 10.1016/j.talanta.2018.02.085



7- Recent trends and analytical challenges in plant bioactive peptide separation, identification and validation

[2018]

S. Piovesana, A.L. Capriotti, C. Cavaliere, G. La Barbera, **C.M. Montone**, R. Zenezini Chiozzi, A. Laganà. Recent trends and analytical challenges in plant bioactive peptide separation, identification and validation. *Analytical and Bioanalytical Chemistry*, 2018, 410:3425-3444. DOI: 10.1007/s00216-018-0852-x

8- Characterization of antioxidant and angiotensin-converting enzyme inhibitory peptides derived from cauliflower by-products by multidimensional liquid chromatography and bioinformatics

[2018]

C.M. Montone, A.L. Capriotti, C. Cavaliere G. La Barbera, S. Piovesana, R. Zenezini Chiozzi, A. Laganà. Characterization of antioxidant and angiotensin-converting enzyme inhibitory peptides derived from cauliflower by-products by multidimensional liquid chromatography and bioinformatics. *Journal of Functional Foods*, 2018, 44:40-47. DOI: 10.1016/j.jff.2018.02.022

9- Simultaneous preconcentration, identification, and quantitation of selenoamino acids in oils by enantioselective high performance liquid chromatography and mass spectrometry

[2018]

A.L. Capriotti, **C.M. Montone**, M. Antonelli, C. Cavaliere, F. Gasparrini, G. La Barbera, S. Piovesana, A. Laganà. Simultaneous preconcentration, identification, and quantitation of selenoamino acids in oils by enantioselective high performance liquid chromatography and mass spectrometry. *Analytical Chemistry*, 2018, 90:8326-8330. DOI: 10.1021/acs.analchem.8b02089

10- Extraction of polycyclic aromatic hydrocarbons from polyhydroxyalkanoates before gas chromatography/mass spectrometry analysis

[2018]

C. Cavaliere, **C.M. Montone**, A.L. Capriotti, G. La Barbera, S. Piovesana, M. Rotatori, F. Valentino, A. Laganà. Extraction of polycyclic aromatic hydrocarbons from polyhydroxyalkanoates before gas chromatography/mass spectrometry analysis. *Talanta*, 2018, 188:671-675. DOI: 10.1016/j.talanta.2018.06.038

11-Delving into the polar lipidome by optimized chromatographic separation, high resolution mass spectrometry and comprehensive identification with Lipostar: microalgae as case study

[2018]

G. La Barbera, M. Antonelli, C. Cavaliere, G. Cruciani, L. Goracci, **C.M. Montone**, S. Piovesana, A. Laganà, A.L. Capriotti. Delving into the polar lipidome by optimized chromatographic separation, high resolution mass spectrometry and comprehensive identification with Lipostar: microalgae as case study. *Analytical Chemistry*, 2018, 90:12230-12238. DOI: 10.1021/acs.analchem.8b03482

12-Liquid chromatographic strategies for separation of bioactive compounds in food matrices

[2018]

C. Cavaliere, A.L. Capriotti, G. La Barbera, **C.M. Montone**, S. Piovesana, A. Laganà. Liquid chromatographic strategies for separation of bioactive compounds in food matrices. *Molecules* 2018, 23:3091. DOI: 10.3390/molecules23123091



13- Peptides from cauliflower by-products, obtained by an efficient, ecosustainable and semi-industrial method, exert protective effects on endothelial function

[2019]

C. Caliceti, A.L. Capriotti, D. Calabria, F. Bonvicini, R. Zenezini Chiozzi, **C.M. Montone**, S. Piovesana, M. Zangheri, M. Mirasoli, P. Simoni, A. Laganà, A. Roda. Peptides from cauliflower by-products, obtained by an efficient, ecosustainable and semi-industrial method, exert protective effects on endothelial function. *Oxidative Medicine and Cellular Longevity*, 2019, 2019:1046504. DOI: 10.1155/2019/1046504

14- Recent applications of magnetic solid phase extraction for sample preparation

[2019]

A.L. Capriotti, C. Cavaliere, G. La Barbera, **C.M. Montone**, S. Piovesana, A. Laganà. Recent applications of magnetic solid phase extraction for sample preparation. *Chromatographia*, 2019, 82:1251-1274. DOI: 10.1007/s10337-019-03721-0

15-Sensitive untargeted identification of short hydrophilic peptides by high performance liquid chromatography on porous graphitic carbon coupled to high resolution mass spectrometry

[2019]

S. Piovesana, **C.M. Montone**, C. Cavaliere, C. Crescenzi, G. La Barbera, A. Laganà, A.L. Capriotti. Sensitive untargeted identification of short hydrophilic peptides by high performance liquid chromatography on porous graphitic carbon coupled to high resolution mass spectrometry. *Journal of Chromatography A*, 2019, 1590:73-79. DOI: 10.1016/j.chroma.2018.12.066

16-Investigation of free seleno-amino acids in extra-virgin olive oil by mixed mode solid phase extraction cleanup and enantioselective hydrophilic interaction liquid chromatography-tandem mass spectrometry

[2019]

S. Piovesana, **C.M. Montone**, M. Antonelli, C. Cavaliere, G. La Barbera, S. Canepari, R. Samperi, A. Laganà, A.L. Capriotti. Investigation of free seleno-amino acids in extra-virgin olive oil by mixed mode solid phase extraction cleanup and enantioselective hydrophilic interaction liquid chromatography-tandem mass spectrometry. *Food Chemistry*, 2019, 278:17-25. DOI: 10.1016/j.foodchem.2018.11.053

17-Investigation of free and conjugated seleno-amino acids in wheat bran by hydrophilic interaction liquid chromatography with tandem mass spectrometry

[2019]

C.M. Montone, M. Antonelli, A.L. Capriotti, C. Cavaliere, G. La Barbera, S. Piovesana, A. Laganà. Investigation of free and conjugated seleno-amino acids in wheat bran by hydrophilic interaction liquid chromatography with tandem mass spectrometry. *Journal of Separation Science*, 2019, 42:1938-1947. DOI: 10.1002/jssc.201900047

18-A triple quadrupole and a hybrid quadrupole Orbitrap mass spectrometer in comparison for polyphenol quantitation

[2019]

C. Cavaliere, M. Antonelli, A.L. Capriotti, G. La Barbera, **C.M. Montone**, S. Piovesana, A. Laganà. A triple quadrupole and a hybrid quadrupole Orbitrap mass spectrometer in comparison for polyphenol quantitation. *Journal of Agricultural and Food Chemistry*, 2019, 67:4885-4896. DOI: 10.1021/acs.jafc.8b07163



19-Identification of bioactive short peptides in cow milk by high-performance liquid chromatography on C18 and porous graphitic carbon coupled to high-resolution mass spectrometry
[2019]

C.M. Montone, A.L. Capriotti, A. Cerrato, C. M. Antonelli, G. La Barbera, S. Piovesana, A. Laganà, C. Cavaliere. Identification of bioactive short peptides in cow milk by high-performance liquid chromatography on C18 and porous graphitic carbon coupled to high-resolution mass spectrometry. *Analytical and Bioanalytical Chemistry*, 2019, 411:3395-3404. DOI: 10.1007/s00216-019-01815-0

20-Enrichment procedure based on graphitized carbon black and liquid chromatography-high resolution mass spectrometry for elucidating sulfolipids composition of microalgae
[2019]

M. Antonelli, B. Benedetti, C. Cavaliere, A. Cerrato, G. La Barbera, **C.M. Montone**, S. Piovesana, A. Laganà. Enrichment procedure based on graphitized carbon black and liquid chromatography-high resolution mass spectrometry for elucidating sulfolipids composition of microalgae. *Talanta*, 2019, 205:120162. DOI: 10.1016/j.talanta.2019.120162

21-Development of an analytical method for the metaproteomic investigation of bioaerosol from work environments
[2019]

S. Piovesana, A.L. Capriotti, P. Foglia, **C.M. Montone**, G. La Barbera, R. Zenezini Chiozzi, A. Laganà, C. Cavaliere. Development of an analytical method for the metaproteomic investigation of bioaerosol from work environments. *Proteomics*, 2019, 19:e1900152. DOI: 10.1002/pmic.201900152

22-New insights in hemp chemical composition: a comprehensive polar lipidome characterization by combining solid phase enrichment, high-resolution mass spectrometry, and cheminformatics
[2020]

M. Antonelli, B. Benedetti, G. Cannazza, A. Cerrato, C. Citti, **C.M. Montone***, S. Piovesana, A. Laganà. New insights in hemp chemical composition: a comprehensive polar lipidome characterization by combining solid phase enrichment, high-resolution mass spectrometry, and cheminformatics. *Analytical and Bioanalytical Chemistry*, 2020, 412:413-423. DOI: 10.1007/s00216-019-02247-6

23-A clean-up strategy for identification of circulating endogenous short peptides in human plasma by zwitterionic hydrophilic liquid chromatography and untargeted peptidomics identification
[2020]

S. Piovesana, A. Cerrato, M. Antonelli, B. Benedetti, A.L. Capriotti, C. Cavaliere, **C.M. Montone**, A. Laganà. A clean-up strategy for identification of circulating endogenous short peptides in human plasma by zwitterionic hydrophilic liquid chromatography and untargeted peptidomics identification. *Journal of Chromatography A*, 2020, 1613:460699. DOI: 10.1016/j.chroma.2019.460699

24-Graphitized carbon black enrichment and UHPLC-MS/MS allow to meet the challenge of small chain peptidomics in urine
[2019]

S. Piovesana, A.L. Capriotti, A. Cerrato, C. Crescenzi, G. La Barbera, A. Laganà, **C.M. Montone**, C. Cavaliere. Graphitized carbon black enrichment and UHPLC-MS/MS allow to meet the challenge of small chain peptidomics in urine. *Analytical Chemistry*, 2019, 91:11474-11481. DOI: [10.1021/acs.analchem.9b03034](https://doi.org/10.1021/acs.analchem.9b03034)



25-Peptidomic approach for the identification of peptides with potential antioxidant and anti-hypertensive effects derived from asparagus by-products

[2019]

C.M. Montone, R. Zenenzini Chiozzi, N. Marchetti, A. Cerrato, M. Antonelli, A.L. Capriotti, C. Cavaliere, S. Piovesana, A. Laganà. Peptidomic approach for the identification of peptides with potential antioxidant and anti-hypertensive effects derived from asparagus by-products. *Molecules*, 2019, 24: E3627. DOI: 10.3390/molecules24193627

26-A comprehensive analysis of liposomal biomolecular corona upon human plasma incubation: the evolution towards the lipid corona

[2020]

G. La Barbera, A.L. Capriotti, G. Caracciolo, C. Cavaliere, A. Cerrato, **C.M. Montone**, S. Piovesana, D. Pozzi, E. Quagliarini, A. Laganà. A comprehensive analysis of liposomal biomolecular corona upon human plasma incubation: the evolution towards the lipid corona. *Talanta*, 2020, 209:120487. DOI: 10.1016/j.talanta.2019.120487

27-A new software-assisted analytical workflow based on high-resolution mass spectrometry for the systematic study of phenolic compounds in complex matrices

[2020]

A. Cerrato, G. Cannazza, A.L. Capriotti, C. Citti, G. La Barbera, A. Laganà, **C.M. Montone**, S. Piovesana, C. Cavaliere. A new software-assisted analytical workflow based on high-resolution mass spectrometry for the systematic study of phenolic compounds in complex matrices. *Talanta*, 2020, 209:120573. DOI: 10.1016/j.talanta.2019.120573

28-Phospholipidome of extra virgin olive oil: development of a solid phase extraction protocol followed by liquid chromatography - high resolution mass spectrometry for its software-assisted identification

[2020]

M. Antonelli, B. Benedetti, C. Cavaliere, A. Cerrato, **C.M. Montone**, S. Piovesana, A. Laganà, A.L. Capriotti. Phospholipidome of extra virgin olive oil: development of a solid phase extraction protocol followed by liquid chromatography - high resolution mass spectrometry for its software-assisted identification. *Food Chemistry*, 2020, 310:125860. DOI: 10.1016/j.foodchem.2019.125860

29-Isolation of a High-Affinity Cannabinoid for the Human CB1 Receptor from a Medicinal Cannabis sativa Variety: 9Tetrahydrocannabutol, the Butyl Homologue of 9Tetrahydrocannabinol

[2020]

P. Linciano, C. Citti, L. Luongo, C. Belardo, S. Maione, M. A. Vandelli, F. Forni, G. Gigli, A. Lagana, **C. M. Montone**, G. Cannazza, Isolation of a High-Affinity Cannabinoid for the Human CB1 Receptor from a Medicinal Cannabis sativa Variety: 9Tetrahydrocannabutol, the Butyl Homologue of 9Tetrahydrocannabinol, *Journal of Natural Products*, 2020, 83, 1, 88–98 DOI: 10.1021/acs.jnatprod.9b00876

30-Pitfalls in the analysis of phytocannabinoids in cannabis inflorescence

[2020]

C. Citti, F. Russo, S. Sgrò, A. Gallo, A. Zanotto, F. Forni, M. Vandelli, A. Laganà, **C. M. Montone**, G. Gigli, G. Cannazza, Pitfalls in the analysis of phytocannabinoids in cannabis inflorescence, *Analytical and Bioanalytical Chemistry* 2020, DOI: 10.1007/s00216-020-02554-3



31-Does the protein corona take over the selectivity of molecularly imprinted nanoparticles? The biological challenges to recognition

[2020]

A.L. Capriotti, S. Piovesana, R. Zenezini Chiozzi, **C.M. Montone**, A.M. Bossi, A. Laganà. Does the protein corona take over the selectivity of molecularly imprinted nanoparticles? The biological challenges to recognition. *Journal of Proteomics*, 2020, 219:103736. DOI: 10.1016/j.jprot.2020.103736

32-Determination of multi-class emerging contaminants in sludge and recovery materials from waste water treatment plants: Development of a modified QuEChERS method coupled to LC-MS/MS

[2020]

B. Benedetti, M. Majone, C. Cavaliere, **C. M. Montone**, F. Fatone, N. Frisonc, A. Lagan, A. L. Capriotti, Determination of multi-class emerging contaminants in sludge and recovery materials from waste water treatment plants: Development of a modified QuEChERS method coupled to LC-MS/MS, *Microchemical Journal*, 2020, 155, 104732 DOI: 10.1016/j.microc.2020.104732

33-Development of a Sample Preparation Workflow for Sulfopeptide Enrichment: from Target Analysis to Challenges in Shotgun Sulfopeptomics

[2020]

A.L. Capriotti, A. Cerrato, A. Laganà, **C.M. Montone**, S. Piovesana, R. Zenezini Chiozzi, C. Cavaliere. Development of a Sample Preparation Workflow for Sulfopeptide Enrichment: from Target Analysis to Challenges in Shotgun Sulfopeptomics. *Analytical Chemistry*, 2020, 92:7964-7971. DOI: 10.1021/acs.analchem.0c01342

34-Untargeted Characterization of Chestnut (*Castanea sativa* Mill.) Shell Polyphenol Extract: A Valued Bioresource for Prostate Cancer Cell Growth Inhibition

[2020]

N.A. Cacciola, A. Cerrato, A.L. Capriotti, C. Cavaliere, M. Dapolito, **C.M. Montone**, S. Piovesana, G. Squillaci, G. Peluso, A. Laganà. Untargeted Characterization of Chestnut (*Castanea sativa* Mill.) Shell Polyphenol Extract: A Valued Bioresource for Prostate Cancer Cell Growth Inhibition. *Molecules*, 2020, 25:2730. DOI: 10.3390/molecules25122730

35-Improved identification of phytocannabinoids using a dedicated structure-based workflow

[2020]

C.M. Montone, A. Cerrato, B. Botta, G. Cannazza, A.L. Capriotti, C. Cavaliere, C. Citti, F. Ghirga, S. Piovesana, A. Laganà. Improved identification of phytocannabinoids using a dedicated structure-based workflow. *Talanta*, 2020, 219:121310. DOI: 10.1016/j.talanta.2020.121310

36-A new opening for the tricky untargeted investigation of natural and modified short peptides

[2020]

A. Cerrato, S.E. Aita, A.L. Capriotti, C. Cavaliere, **C.M. Montone**, A. Laganà, S. Piovesana. A new opening for the tricky untargeted investigation of natural and modified short peptides. *Talanta*, 2020, 219:121262. DOI: 10.1016/j.talanta.2020.121262



37-Developments and pitfalls in the characterization of phenolic compounds in food: from targeted analysis to metabolomics-based approaches

[2020]

S. Piovesana, C. Cavaliere, A. Cerrato, **C.M. Montone**, A. Laganà, A.L. Capriotti. Developments and pitfalls in the characterization of phenolic compounds in food: from targeted analysis to metabolomics-based approaches. *TrAC Trends in Analytical Chemistry*, 2020, 133:116083. DOI: 10.1016/j.trac.2020.116083

38-Identification and antimicrobial activity of medium-sized and short peptides from yellowfin tuna (*Thunnus Albacares*) simulated gastrointestinal digestion

[2020]

A. Cerrato, A.L. Capriotti, F. Capuano, C. Cavaliere, A.M.I. Montone, **C. M. Montone***, S. Piovesana, R. Zenezini Chiozzi, A. Laganà. Identification and antimicrobial activity of medium-sized and short peptides from yellowfin tuna (*Thunnus Albacares*) simulated gastrointestinal digestion. *Foods*, 2020, 9:1185. DOI: 10.3390/foods9091185

39-A rapid and innovative extraction and enrichment method for the metaproteomic characterization of dissolved organic matter in groundwater samples

[2020]

A.L. Capriotti, S.E. Aita, C. Cavaliere, A. Cerrato, **C.M. Montone**, S. Piovesana, A. Laganà. A rapid and innovative extraction and enrichment method for the metaproteomic characterization of dissolved organic matter in groundwater samples. *Journal of Separation Science*, 2020, online ahead of print. DOI: 10.1002/jssc.202001025

40-Degradation of the polar lipid and fatty acid molecular species in extra virgin olive oil during storage based on shotgun lipidomics

[2021]

A.L. Capriotti, A. Cerrato, S.E. Aita, **C.M. Montone**, S. Piovesana, A. Laganà, C. Cavaliere. Degradation of the polar lipid and fatty acid molecular species in extra virgin olive oil during storage based on shotgun lipidomics. *Journal of Chromatography A*, 2021, 1639: 461881. DOI: 10.1016/j.chroma.2021.461881

41-Comprehensive Identification of Native Medium-Sized and Short Bioactive Peptides in Sea Bass Muscle

[2020]

A. Cerrato, S.E. Aita, C. Cavaliere, A. Laganà, **C.M. Montone**, S. Piovesana, R. Zenezini Chiozzi, A.L. Capriotti. Comprehensive Identification of Native Medium-Sized and Short Bioactive Peptides in Sea Bass Muscle. *Food Chemistry*, 2020, 343:128443. DOI: 10.1016/j.foodchem.2020.128443

42-Optimal centrifugal isolating of liposome-protein complexes from human plasma

[2021]

L. Digiaco, F. Giulimondi, A. L. Capriotti, S. Piovesana, **C. M. Montone**, R. Zenezini Chiozzi, A. Laganà, M. Mahmoudi, D. Pozzi, G. Caracciolo, *Optimal centrifugal isolating of liposome-protein complexes from human plasma*, *Nanoscale Advances*, 3, 3824-3834, 2021, DOI: 10.1039/D1NA00211B



43-Identification and Quantification of Polycyclic Aromatic Hydrocarbons in Polyhydroxyalkanoates Produced from Mixed Microbial Cultures and Municipal Organic Wastes at Pilot Scale

[2021]

C. Cavaliere, A. L. Capriotti, A. Cerrato, L. Lorini, **C. M. Montone**, F. Valentino, A. Laganà, M. Majone, Identification and Quantification of Polycyclic Aromatic Hydrocarbons in Polyhydroxyalkanoates Produced from Mixed Microbial Cultures and Municipal Organic Wastes at Pilot Scale, *Molecules*, 26(3), 539, 2021, DOI: 10.3390/molecules26030539

44-Untargeted metabolomics of prostate cancer zwitterionic and positively charged compounds in urine

[2021]

A. Cerrato, C. Bedia, A. L. Capriotti, C. Cavaliere, V. Gentile, M. Maggi, **C. M. Montone**, S. Piovesana, A. Sciarra, R. Tauler, A. Laganà, *Untargeted metabolomics of prostate cancer zwitterionic and positively charged compounds in urine*, *Analytica Chimica Acta*, 1158, 2021 DOI:10.1016/j.aca.2021.338381

45-In-depth cannabis fatty acid profiling by ultra-high performance liquid chromatography coupled to high resolution mass spectrometry

[2021]

S. Piovesana, S.E.Aita, G. Cannazza, A. L. Capriotti, C. Cavaliere, A. Cerrato, P. Guarnaccia, **C. M. Montone**, A. Laganà, *In-depth cannabis fatty acid profiling by ultra-high performance liquid chromatography coupled to high resolution mass spectrometry*, *Talanta*, 228, 2021, DOI: 10.1016/j.talanta.2021.122249

46-Phytocannabinomics: Untargeted metabolomics as a tool for cannabis chemovar differentiation

[2021]

A. Cerrato, C. Citti, G. Cannazza, A. L. Capriotti, C. Cavaliere, G. Grassi, F. Marini, **C. M. Montone**, R. Paris, S. Piovesana, A. Laganà, *Phytocannabinomics: Untargeted metabolomics as a tool for cannabis chemovar differentiation*, *Talanta*, 230, 2021, DOI: 10.1016/j.talanta.2021.122313

47-Production and Characterization of Medium-Sized and Short Antioxidant Peptides from Soy Flour-Simulated Gastrointestinal Hydrolysate

C. Cavaliere, A.M.I. Montone, S.E.Aita, R. Capparelli, A. Cerrato, P. Cuomo, A. Laganà, **C. M. Montone***, S. Piovesana, Anna Laura Capriotti, *Production and Characterization of Medium-Sized and Short Antioxidant Peptides from Soy Flour-Simulated Gastrointestinal Hydrolysate*, *Antioxidants*, 10(5), 734; 2021, DOI: 10.3390/antiox10050734

48-Andean Blueberry of the Genus *Disterigma*: A High-Resolution Mass Spectrometric Approach for the Comprehensive Characterization of Phenolic Compounds

[2021]

S.E.Aita, A. L. Capriotti, C. Cavaliere, A. Cerrato, B. Giannelli Moneta, **C. M. Montone**, S. Piovesana, A. Laganà, *Andean Blueberry of the Genus *Disterigma*: A High-Resolution Mass Spectrometric Approach for the Comprehensive Characterization of Phenolic Compounds*, *Separations*, 8(5), 58; 2021, DOI: 10.3390/separations8050058



49-Profiling and quantitative analysis of underivatized fatty acids in *Chlorella vulgaris* microalgae by liquid chromatography-high resolution mass spectrometry

[2021]

C. M. Montone, S.E.Aita, M. Catani, C. Cavaliere, A. Cerrato, S. Piovesana, A. Laganà, A. L. Capriotti, *Profiling and quantitative analysis of underivatized fatty acids in Chlorella vulgaris microalgae by liquid chromatography-high resolution mass spectrometry*, Journal of Separation Science, 2021, DOI: 10.1002/jssc.202100306

50-Protein corona profile of graphene oxide allows detection of glioblastoma multiforme using a simple one-dimensional gel electrophoresis technique: A proof-of-concept study

[2021]

R. Di Santo, E. Quagliarini, L. Digiacomio, D. Pozzi, A. Di Carlo, D. Caputo, A. Cerrato, **C. M. Montone**, M. Mahmoudi, G. Caracciolo, *Protein corona profile of graphene oxide allows detection of glioblastoma multiforme using a simple one-dimensional gel electrophoresis technique: A proof-of-concept study*, Biomaterials Science, 9(13), 4671-4678, 2021, DOI: 10.1039/d1bm00488c

Capitoli libro

1. A. Cerrato, S. E. Aita, **C. M. Montone**, A. L. Capriotti, S. Piovesana, A. Laganà. Chapter 4: "Methodologies for extraction and separation of short-chain bioactive peptides" in Biologically Active Peptides, (2021), 75-86, ISBN: 9780128213896, DOI: 10.1016/B978-0-12-821389-6.00002-9 (non appare su Scopus)

2. A. Cerrato, A.L. Capriotti, **C.M. Montone***, S. E. Aita, G. Cannazza, C. Citti, S. Piovesana, A. Laganà. Chapter 17: "Analytical Methodologies for Lipidomics in Hemp Plant", in Mass Spectrometry-Based Lipidomics: Methods and Protocols, (2021), 257-273, DOI: 10.1007/978-1-0716-1410-5_17

BREVETTI

Isolamento di nuovi fitocannabinoidi dalla Cannabis Sativa L.

[2020]

Laganà A., Capriotti A. L., **Montone C. M.**, Cannazza G., Linciano P., Citti C., Russo F., Luongo L., Iannotta M., Belardo C., Maione S., Vandelli M. A., Forni F., Gigli G. Isolamento di nuovi fitocannabinoidi dalla Cannabis sativa L.(2020) **depositato negli USA**: Provisional n° US63/050,240_10.07.2020. **Brevetto per invenzione**



COMUNICAZIONI ORALI A CONFERENZE

Comunicazioni orali

- [1] *Untargeted characterization and quantitative analysis of underivatized fatty acids in Chlorella vulgaris microalgae*, **XXVII National Congress of the Italian Chemical Society SCI**, online, 14-23 settembre **2021**
- [2] *Characterization of short and medium-sized antioxidant peptides from Soy Flour-Simulated Gastrointestinal Hydrolysate*, **Giornata Bioanalitica 2021 "Chimica bioanalitica per il benessere: ambiente, salute ed alimentazione"**, online, 13 luglio **2021**
- [3] *Valorization of extra virgin olive oil: from selenoamino acids to lipids*, **Chimica Bioanalitica per la valorizzazione dell' Olio EVO**, online, 13 luglio **2021**
- [4] *Development of a new integrated analytical platform for the identification of short peptides in cow milk*. **Giornata Scientifica Bioanalitica, Parma**, 6 dicembre **2019**
- [5] *Protein Tyrosine Sulfation: Proof-of-Concept Enrichment Methods for a too Longly Neglected Post-Translational Modification*. **Incontri di Scienza delle Separazioni**, Napoli, 28-29 novembre **2019**
- [6] *Development of a new analytical strategy for the selective enrichment of phospho-tyrosine peptides by molecularly imprinted polymers*. **XXVIII Congress of the Italian Chemical Society SCI**, Bari, 22-26 settembre **2019**
- [7] *Identification and quantitation of seleno-amino acids in wheat bran: a new methodological approach*. **Chimica Bioanalitica per la salute, l'ambiente e la sicurezza alimentare**, Bologna, 21 settembre **2018**
- [8] *Development of an analytical strategy for the purification and identification of bioactive peptides from microalgae*. **XXVI National Congress of the Italian Chemical Society SCI**, Paestum, 10-14 settembre **2017**
- [9] *Determination of Mycotoxins in Cereals by a Rapid Magnetic Solid Phase Extraction Method followed by Liquid Chromatography-Tandem Mass Spectrometry Analysis*. **Giornate di Chimica Analitica in memoria del Prof. Francesco Dondi organizzate Gruppo Interdivisionale di Scienza delle Separazioni in collaborazione con il Gruppo Divisionale di Bioanalitica**, Ferrara 10-11 luglio **2017**

Comunicazioni orali su invito

Microalgae as feedstock for biofuel: fatty acids characterization as selection criteria. Meet on Biotechnology and Bioengineering

(BIOTECHMEET2021), in Porto, Portugal 16 - 18, Settembre **2021**

INCARICHI ISTITUZIONALI

Rappresentante degli Assegnisti nel Consiglio di Dipartimento di Chimica,

[2021 - 2024]



Rappresentante dei Dottorandi nella Giunta del Dipartimento di Chimica

[2016 – 2019]

Rappresentante dei Dottorandi nel Consiglio di Dipartimento di Chimica

[2016 – 2019]

EDITORIAL BOARDS E GUEST EDITORS

Editorial boards e guest editors

[2019 – Attuale]

2021 **Membro del Board in Advances in Pharmaceutical Sciences**

(<https://mediterraneanjournals.com/index.php/aps/about/editorialTeam>)

2021 **Membro del Board di Environmental Analysis**

sezione di Frontiers in Analytical Science (<https://www.frontiersin.org/journals/analytical-science/sections/environmental-analysis#editorial-board>)

2020: **Guest editor** della rivista *Molecules* per lo Special Issue “Advancements in Analytical Techniques for Proteomics” con guest editors Susy Piovesana, **Carmela Maria Montone** e Andrea Cerrato.

2020-oggi Membro dell '**Reviewer board** di Antioxidants.

(https://www.mdpi.com/journal/antioxidants/submission_reviewers)



ATTIVITÀ DI REFERAGGIO PER RIVISTE SCIENTIFICHE INTERNAZIONALI

Attività di referaggio per riviste scientifiche internazionali

Journal of Mass Spectrometry (2021)

Antibiotics (MDPI) (2021)

Journal of Essential Oil Research (2020)

Journal of Fungi (MDPI) (2020)

Membranes (MDPI) (2020)

Plants (MDPI) (2020)

Processes (MDPI) (2020)

SN Applied Sciences (2020)

Nutrients (2020)

Plant Foods for Human Nutrition (2020)

Drug Design, Development and Therapy (2020)

Antioxidants (2020)

Food Chemistry (2020)

Foods (2019)

Journal of Food Science (2019)

Molecules (2019)

Journal of Functional Foods (2019)

International Journal of Experimental Spectroscopic Techniques (2018)

Chiang Mai Journal of Science (2018)

ATTIVITA' DI REFEREE PER PROGETTI

[2020]

Per la **Czech Science Foundation**. Remuneration of 2500 CZK

AFFILIAZIONE A SOCIETÀ

Membro della Società Chimica Italiana per la Divisione di Chimica Analitica e il Gruppo Interdivisionale di Scienza delle Separazioni.

[2017 – Attuale]

Numero di tessera: 21029

CHAIRMAN A CONGRESSI

Convegno Giovani Ricercatori 2019

[2019]

Convegno Giovani Ricercatori 2019

Roma, 25-26 giugno 2019, Dipartimento di Chimica, Università degli Studi di Roma "La Sapienza"



POSTER A CONFERENZE

Incontri di Scienza delle Separazioni 2019, NAPOLI, 28-29 Novembre 2019

Anna Laura Capriotti, **Carmela Maria Montone**, *Metaproteomic Investigation of Bioaerosol from Work Environments*, Incontri di Scienza delle Separazioni 2019, NAPOLI, 28-29 Novembre 2019

Giornata Scientifica Bioanalitica 2019, PARMA, 6 Dicembre 2019

Anna Laura Capriotti, **Carmela Maria Montone**, *Metaproteomic investigation of bioaerosol from work environments* Giornata Scientifica Bioanalitica 2019, PARMA, 6 Dicembre 2019

Chiara Cavaliere, **Carmela Maria Montone**, Michela Antonelli, Andrea Cerrato, Sara Elsa Aita, Barbara Benedetti, Aldo Laganà, *Characterization of polar lipidome of spirulina microalgae by an optimized liquid chromatography separation and high-resolution mass spectrometry*, Giornata Scientifica Bioanalitica 2019, PARMA, 6 Dicembre 2019

Andrea Cerrato, Sara Elsa Aita, Michela Antonelli, **Carmela Maria Montone**, Susy Piovesana, Aldo Laganà, *Grafitized carbon black enrichment procedure for the detection of phospholipids in olive oil by liquid chromatography-high resolution mass spectrometry* Giornata Scientifica Bioanalitica 2019, PARMA, 6 Dicembre 2019

XXVIII Congress of the Italian Chemical Society SCI, BARI, 22-26 Settembre 2019

Chiara Cavaliere, Michela Antonelli, Barbara Benedetti, Giorgia La Barbera, **Carmela Maria Montone**, Aldo Laganà, *Microalgae as a source of bioactive peptides: extraction, identification and assessment of their activities* XVIII Congress of the Italian Chemical Society SCI, BARI, 22-26 Settembre 2019

Euroanalysis XX Conference ISTANBUL, 1-5 Settembre 2019

Carmela Maria Montone, Barbara Benedetti, Anna Laura Capriotti, Andrea Cerrato, Michela Antonelli, Aldo Laganà, *Development of an Analytical Method for the Metaproteomic Investigation of Bioaerosol deposited on quartz Filters in different Environmental Sites*, Euroanalysis XX Conference ISTANBUL, 1-5 Settembre 2019



Convegno giovani ricercatori 2019 "C'è futuro nella ricerca!" ROMA, 25-26 Giugno 2019

Carmela Maria Montone, Anil Incel, Börje Sellergren, Anna Laura Capriotti, Susy Piovesana, Aldo Laganà, *C ore shell molecularly imprinted polymers for selective magnetic enrichment of phospho-tyrosine-peptides*, Convegno giovani ricercatori 2019 "C'è futuro nella ricerca!" ROMA, 25-26 Giugno 2019

Andrea Cerrato, Michela Antonelli, Barbara Benedetti, **Carmela Maria Montone**, Sara Elsa Aita Susy Piovesana, Anna Laura Capriotti, Aldo Laganà, *Innovative analytical platform for enrichment and identification of short peptides in urine* Convegno giovani ricercatori 2019 "C'è futuro nella ricerca!" ROMA, 25-26 Giugno 2019

Sara Elsa Aita, Michela Antonelli, Barbara Benedetti, Andrea Cerrato, **Carmela Maria Montone**, Chiara Cavaliere, Aldo Laganà, *Comparison of two enrichment procedures using GCB and WAX cartridges for the detection of phospholipids in olive oil by liquid chromatography-high resolution mass spectrometry* Convegno giovani ricercatori 2019 "C'è futuro nella ricerca!" ROMA, 25-26 Giugno 2019

Michela Antonelli Sara Elsa Aita,, Barbara Benedetti, Andrea Cerrato, **Carmela Maria Montone**, *Polar lipidome microalgae research through optimized chromatographic separation, High-Resolution Mass Spectrometry, and Comprehensive Identification with Lipostar*. Convegno giovani ricercatori 2019 "C'è futuro nella ricerca!" ROMA, 25-26 Giugno 2019

48TH International Symposium on High-Performance Liquid Phase Separations and Related Techniques, MILANO, 16-20 Giugno 2019

Carmela Maria Montone, Michela Antonelli, Barbara Benedetti, Andrea Cerrato, Aldo Laganà. *Graphitized carbon black enrichment procedure for the detection of phospholipids in olive oil by liquid chromatography-high resolution mass spectrometry*, 48TH International Symposium on High-Performance Liquid Phase Separations and Related Techniques, MILANO, 16-20 Giugno 2019

Michela Antonelli, Barbara Benedetti, Andrea Cerrato, **Carmela Maria Montone**, Aldo Laganà, Anna Laura Capriotti, *Analytical strategy for the metaproteomic investigation of atmospheric bioaerosol for environmental analysis* 48TH International Symposium on High-Performance Liquid Phase Separations and Related Techniques, MILANO, 16-20 Giugno 2019

Andrea Cerrato, **Carmela Maria Montone**, Chiara Cavaliere, Susy Piovesana, Anna Laura Capriotti, Aldo Laganà, *New insight in urinary peptidomics: innovative strategy for short peptide analysis*, 48TH International Symposium on High-Performance Liquid Phase Separations and Related Techniques, MILANO, 16-20 Giugno 2019

American Society for Mass Spectrometry ASMS, 2019 Atlanta 2-6 Giugno 2019

Susy Piovesana; **Carmela Maria Montone**; Chiara Cavaliere; Giorgia La Barbera; Aldo Laganà Anna Laura Capriotti; Carlo Crescenzi. *Enhanced detection of short and hydrophilic peptides fraction using porous graphitic carbon*, American Society for Mass Spectrometry ASMS, 2019 Atlanta 2-6 Giugno 2019



2nd International Symposium on Bioactive Peptides, VALENCIA, 22-24 Maggio 2019

Carmela Maria Montone, Anna Laura Capriotti, Giorgia La Barbera, Michela Antonelli, Andrea Cerrato, Aldo Laganà, *Development of a new peptidomic platform for the extraction, separation, and identification of bioactive peptides in microalgae*. 2nd International Symposium on Bioactive Peptides, VALENCIA, 22-24 Maggio 2019

XXVII National Congress of the Analytical Chemistry Division of the Italian Chemical Society., BOLOGNA, 16-20th of September 2018

Carmela Maria Montone, Michela Antonelli, Anna Laura Capriotti, Chiara Cavaliere, Aldo Laganà *Identificazione of polycyclic aromatic hydrocarbons in polyhydroxyalkanoate biopolymers obtained from urban solid waste by gas chromatography/mass spectrometry analysis* XXVII National Congress of the Analytical Chemistry Division of the Italian Chemical Society., BOLOGNA, 16-20th of September 2018 (best poster)

Michela Antonelli, Giorgia La Barbera, **Carmela Maria Montone**, Susy Piovesana, Aldo Laganà *Polar lipid profile of spirulina microalga by liquid chromatography coupled to high resolution mass spectrometry* XXVII National Congress of the Analytical Chemistry Division of the Italian Chemical Society, BOLOGNA, 16-20th of September 2018

Chiara Cavaliere, Michela Antonelli, Giorgia La Barbera, **Carmela Maria Montone**, Susy Piovesana, Aldo Laganà *Tetrademus obliquus microalgae as a source of bioactive peptides: purification and identification by multidimensional liquid chromatography - mass spectrometry* XXVII National Congress of the Analytical Chemistry Division of the Italian Chemical Society., BOLOGNA, 16-20th of September 2018



42nd International Symposium on Capillary Chromatography and 15th GCxGC Symposium, RIVA DEL GARDA, 13-18th of May 2018

Carmela Maria Montone, Michela Antonelli, Giorgia La Barbera, Susy Piovesana, Roberto Samperi, Aldo Laganà. *A rapid magnetic solid phase extraction method followed by liquid chromatography-tandem mass spectrometry analysis for the determination of mycotoxins in cereals* 42nd International Symposium on Capillary Chromatography and 15th GCxGC Symposium, RIVA DEL GARDA, 13-18th of May 2018

Patrizia Foglia, Riccardo Zenezini Chiozzi, Anna Laura Capriotti, Michela Antonelli, **Carmela Maria Montone**, Aldo Laganà *Development of an analytical method for the metaproteomic investigation of air particulate matter deposited on teflon filters for environmental analysis* 42nd International Symposium on Capillary Chromatography and 15th GCxGC Symposium, RIVA DEL GARDA, 13-18th of May 2018

Anna Laura Capriotti, Michela Antonelli, Patrizia Foglia, **Carmela Maria Montone**, Roberto Samperi, Aldo Laganà *Development of an extraction method for polycyclic aromatic hydrocarbons in polyhydroxyalkanoate biopolymers before gas chromatography-mass spectrometry analysis* 42nd International Symposium on Capillary Chromatography and 15th GCxGC Symposium, RIVA DEL GARDA, 13-18th of May 2018

Chiara Cavaliere, Michela Antonelli, Giorgia La Barbera, **Carmela Maria Montone**, Riccardo Zenezini Chiozzi, Aldo Laganà *Multidimensional liquid chromatography coupled to mass spectrometry for purification and identification of potential ace-inhibitory and antioxidant peptides in tetrademus obliquus microalgae* 42nd International Symposium on Capillary Chromatography and 15th GCxGC Symposium, RIVA DEL GARDA, 13-18th of May 2018

Susy Piovesana, Michela Antonelli, Chiara Cavaliere, **Carmela Maria Montone**, Giorgia La Barbera, Aldo Laganà *Characterization of the endogenous phosphopeptides in saliva by metal oxide affinity chromatography and shotgun peptidomics* 42nd International Symposium on Capillary Chromatography and 15th GCxGC Symposium, RIVA DEL GARDA, 13-18th of May 2018

XXVI National Congress of the Italian Chemical Society SCI, PAESTUM, 10-14th of September 2017

Chiara Cavaliere, Francesca Ferraris, Giorgia La Barbera, **Carmela Maria Montone**, Aldo Laganà *UHPLC-HRMS Study of Glucosinolates in Cauliflower Waste Products* XXVI National Congress of the Italian Chemical Society SCI, PAESTUM, 10-14th of September 2017

Anna Laura Capriotti, Francesca Ferraris, **Carmela Maria Montone**, Susy Piovesana, Aldo Laganà *Label free shotgun proteomics approach to characterize muscle tissue from farmed and wild european sea bass (Dicentrarchus labrax)* XXVI National Congress of the Italian Chemical Society SCI, PAESTUM, 10-14th of September 2017

"Giornate di Chimica Analitica in memoria del Prof. Francesco Dondi" FERRARA (Italy) 11-12th of July 2017

Chiara Cavaliere, Francesca Ferraris, **Carmela Maria Montone**, Susy Piovesana, Aldo Laganà *Magnetic Solid Phase Extraction Followed by Liquid Chromatography - Tandem Mass Spectrometry for UV Filter Determination in Surface Water*, "Giornate di Chimica Analitica in memoria del Prof. Francesco Dondi" FERRARA (Italy) 11-12th of July 2017



Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".