Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Virginia Brighenti**
Address(es)	7, via A. Cavazza, 41122, Modena, Italy
Telephone(s)	Mobile: +39 3395939047
E-mail	virginia.brighenti@unimore.it
Nationality	Italian
Date of birth	22.05.1989
Gender	Female

Occupational field

Post-doctoral fellowship in Medicinal Chemistry

Work experience

Dates	May 2020 - present
Occupation or position held	**Co-founder of UNIMORE start-up PerFormS s.r.l.**
Main activities and responsibilities	- Design and development of a topical pharmaceutical product for the treatment of skin inflammatory diseases. - product market validation. - product testing.
Name and address of employer	PerFormS s.r.l., via G. Campi 103, 41125, Modena, Italia
Type of business or sector	R&D pharmaceutical industry.

Dates	April 2020 - present
Occupation or position held	**Post-doctoral fellow in Medicinal Chemistry, University of Modena and Reggio Emilia, project title: "New analytical approaches for the determination of cannabinoids in *Cannabis sativa* L. based products and biological fluids"**
Main activities and responsibilities	- Development of new analytical tools for the analysis of cannabinoids in plant extracts, derived products and biological matrices. -Monitoring of cannabinoids content in *cannabis* inflorescences from different chemotypes by means of chromatographic and hyphenated techniques. -Identification of protocols for the extractions of cannabinoids from *C. sativa* L. plant material and biological matrices.
Name and address of employer	Department of Life Sciences, University of Modena and Reggio Emilia, 103, via G. Campi, 41125 Modena, Italy.
Type of business or sector	Academic research in medicinal chemistry.

Dates	February 2019 - February 2020
Occupation or position held	**Post-doctoral fellow in Medicinal Chemistry, University of Modena and Reggio Emilia, project title: "Sweet cherry and other red fruit as new sources of neuroprotective agents: an interdisciplinary study"**
Main activities and responsibilities	Identification of protocols for the selective and standardised extractions of bioactive compounds from *P. avium* L. fruit. -Monitoring of the quality of plant extracts by means of chromatographic and hyphenated techniques. - Evaluation of the anti-oxidant potential and neuroprotective effect on *in vivo* models.
Name and address of employer	Department of Life Sciences, University of Modena and Reggio Emilia, 103, via G. Campi, 41125 Modena, Italy.
Type of business or sector	Academic research in medicinal chemistry.

Dates	February – December 2018
Occupation or position held	**Term contract worker, University of Modena and Reggio Emilia; project title: "Bioactive compounds from Cannabis sativa L. for the prevention and complementary therapy of neurodegenerative diseases"**
Main activities and responsibilities	-Identification of protocols for the selective and standardised extractions of bioactive compounds from *C. sativa* L. plant material. -Monitoring of the quality of plant extracts by means of chromatographic and hyphenated techniques.
Name and address of employer	Department of Life Sciences, University of Modena and Reggio Emilia, 103, via G. Campi, 41125 Modena, Italy.
Type of business or sector	Academic research in medicinal chemistry.
Dates	May – July 2014
Occupation or position held	**undergraduate researcher**
Main activities and responsibilities	Comparison of GC/MS-Q and GC/MS-QTOF equipment in terms of performance in the fields of metabolomics analysis of plasma samples.
Name and address of employer	Centro de Excelencia en Metabolómica y Bioanálisis (CEMBIO), San Pablo-CEU University, Urbanización Montepríncipe, M-501, 28925 Alcorcón, Madrid.
Type of business or sector	Academic research in medicinal chemistry.
Dates	December 2013 – April 2014
Occupation or position held	**R&D employee**
Main activities and responsibilities	-Development of an innovative and efficient microwave-assisted procedure for the extraction of the bioactive policosanols from beeswax to be applied in the production of food supplements. -monitoring of policosanols content in the final product by means of chromatographic and hyphenated techniques.
Name and address of employer	Tydock Pharma s.r.l., 294, Str. Gherbella, 41126 Modena, Italy.
Type of business or sector	R&D in pharmaceutical industry.
Dates	March – May 2013
Occupation or position held	**Tutor in drug analysis laboratory**
Main activities and responsibilities	Supporting activity for students of "Drug Analysis" practice laboratory in the ambit of the Master Degree in Pharmaceutical Chemistry and Technology.
Name and address of employer	Student Services Direction – Benefits Office/150 hours of the 2013Department of Life Sciences, University of Modena and Reggio Emilia. This collaboration was granted by "Fondo Sostegno Giovani", announcement of tutor activities, 2012-2013, 103, via G. Campi, 41125 Modena, Italy.
Type of business or sector	Teaching activity at University.

Education and training

Dates	April – June 2019
Title of qualification awarded	ReActor Entrepreneurship and innovation school
Principal subjects/occupational skills covered	School of entrepreneurship and innovation which aims to train young scientists and researchers with innovative ideas and high growth potential. It is characterized by a very strong practical and experiential orientation.
Name and type of organisation providing education and training	Golinelli Foundation, Via Paolo Nanni Costa, 14, 40133, Bologna, Italy.
Dates	2014 – 2018
Title of qualification awarded	**PhD in Clinical and Experimental Medicine**

Principal subjects/occupational skills covered	Ph.D. Thesis Title: 'New methods for the study and characterisation of natural products as sources of bioactive compounds'. Experimental research work which contributed to the investigation of the chemical composition and biological activity of plant extracts for a rational use in nutraceutical and pharmaceutical fields. -Development and validation of new approaches for the analysis of bioactive compounds in natural products. - Isolation and characterization of bioactive compounds from plant extracts. -Assessment of *in vitro* and *in* vivo biological activities of plant extracts and their isolated bioactive compounds
Name and type of organisation providing education and training	Department of Biomedical, Metabolic and Neural Sciences, University of Modena and Reggio Emilia, Modena, 287, via G. Campi, 41125, Modena, Italy.
Dates	2013
Title of qualification awarded	**Professional licensing** for the Profession of Pharmacist
Name and type of organisation providing education and training	University of Modena and Reggio Emilia, 103, via G. Campi, 41125 Modena, Italy.
Dates	2008 – 2013
Title of qualification awarded	**Master Degree in Pharmaceutical Chemistry and Technology** (110/110)
Principal subjects/occupational skills covered	Master Thesis Title: "Advanced analytical techniques for the *metabolite fingerprinting* of the bioactive compounds in *Humulus lupulus* L." Main subjects covered: - Medicinal Chemistry, Organic Chemistry, Analytical Chemistry, Food Chemistry, Drug Analysis; - Pharmaceutical Technology, Pharmaceutical Legislation; - Pharmacology, Biochemistry, Biology, Physiology.
Name and type of organisation providing education and training	Department of Life Sciences, University of Modena and Reggio Emilia, 103, via G. Campi, 41125 Modena, Italy.
Dates	2003 – 2008
Title of qualification awarded	**Secondary School Diploma in Chemistry** (100/100)
Principal subjects/occupational skills covered	- Analytical Chemistry, Organic Chemistry, Industrial Chemical Technology, Physical Chemistry, Food Chemistry; - Biochemistry, Biology.
Name and type of organisation providing education and training	I.T.I.S E. Fermi, 23, via G. Luosi, 41124 Modena, Italy

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s)

Self-assessment	**Understanding**				**Speaking**				**Writing**	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user

(*) Common European Framework of Reference for Languages

Social skills and competences	-Team work: I have worked in various research teams; - Intercultural skills: during my PhD and research activity abroad I worked together with students and researchers from different countries; - Good communication skills: I work on the borders between students and professors.
Organisational skills and competences	- Organizational skills: co-founder and CTO of a start-up; organization of the 2nd Inter-European Meeting of ACS Student Chapters during Ph.D.. - Leadership: co-founder and CTO of a start-up; coordination of a group of 3-4 students per year during my Ph.D and post-doc activities.

Technical skills and competences	-Strong expertise in conventional and advanced techniques for the extraction and purification of biologically active compounds from natural and biological matrices. -Strong expertise in conventional and advanced methodologies for the qualitative and quantitative analysis of active compounds in complex matrices -Strong expertise in the application of separation techniques to bioactive compounds in complex matrices. -Competent at spectroscopic and spectrometric techniques for structural elucidation of active compounds. -Competent at statistical analysis and chemometric tools. -Competent at the preparation of standardized extracts for biological assays. -Knowledge of pharmaceutical formulation for topical treatment. -Knowledge of common procedure for organic synthesis.
Computer skills and competences	-Competent with Microsoft Office programmes -Excellent ability to use software for bibliographic research (SciFinder, Scopus, ISIWeb of Science, PubMed)
Driving licence	Holder of driving licence for cars
Additional information	**SCIENTIFIC PUBLICATIONS** -A.M. Gonzàles-Paramàs**, V. Brighenti**, L. Bertoni, L. Marcelloni, B. Ayuda-Duràn, S. Gonzàlez-Manzano, F. Pellati, C. Santos-Buelga, Assessment of the *in vivo* antioxidant activity of an anthocyanin-rich bilberry extract using the *Caenorhabditis elegans* model, Antioxidants, 9 (2020) 509. https://doi.org/10.3390/antiox9060509. **-**M. Ternelli, **V. Brighenti**, L. Anceschi, M. Poto, D. Bertelli, M. Licata, F. Pellati, Innovative methods for the preparation of medical *cannabis* oils with a high content of both cannabinoids and terpenes, Journal of Pharmaceutical and Biomedical Analysis, 186 (2020) 113296. https://doi.org/10.1016/j.jpba.2020.113296. -A. Mincuzzi, A. Ippolito, **V. Brighenti**, L. Marchetti, S. Benvenuti, A. Ligorio, F. Pellati, S.M. Sanzani, The effect pf polyphenols on pomegranate fruit susceptibility to *Pilidiella granati* provides insights into disease tolerance mechanisms, Molecules, 25 (2020) 515. https://doi.org/10.3390/molecules25030515. **-**A. Venturelli, **V. Brighenti**, D. Mascolo, F. Pellati, A new strategy based on microwave-assisted technology for the extraction and purification of beeswax policosanols for pharmaceutical purposes and beyond, Journal of Pharmaceutical and Biomedical Analysis, 172 (2019) 200-205. https://doi.org/10.1016/j.jpba.2019.04.015. **-V. Brighenti**, M. Licata, T. Pedrazzi, D. Maran, D. Bertelli, F. Pellati, S. Benvenuti, Development of a new method for the analysis of cannabinoids in honey by means of high-performance liquid chromatography coupled with electrospray ionization-tandem mass spectrometry detection , Journal of Chromatography A, 1597 (2019) 179-186. https://doi.org/10.1016/j.chroma.2019.03.034. **-**R. Bruni, D. Barreca, M. Protti, **V. Brighenti**, L. Righetti, L. Anceschi, L. Mercolini, S. Benvenuti, G. Gattuso, F. Pellati, Botanical sources, chemistry, analysis and biological activity of furanocoumarins of pharmaceutical interest, Molecules, 24 (2019) 2163. https://doi.org/10.3390/molecules24112163. **-** M. Protti, **V. Brighenti**, M.R. Battaglia, L. Anceschi, F. Pellati, L. Mercolini, Cannabinoids from *Cannabis sativa* L.: a new tool based on HPLC-DAD-MS/MS for a rational use in medicinal chemistry, ACS Medicinal Chemistry Letters, 10 (2019) 539-544. https://doi.org/10.1021/acsmedchemlett.8b00571.

Additional Information

-L. Marchetti, F. Pellati, R. Graziosi, **V. Brighenti**, D. Pinetti, D. Bertelli, Identification and determination of bioactive phenylpropanoid glycosides of *Aloysia polystachya* (Griseb. et Moldenke) by HPLC-MS, Journal of Pharmaceutical and Biomedical Analysis, 166 (2019) 364-370. https://doi.org/10.1016/j.jpba.2019.01.033.

-L. Pucciarini, F. Ianni, V. Petesse, F. Pellati, **V. Brighenti**, C. Volpi, M. Gargaro, B. Natalini, C. Clementi, R. Sardella, Onion (*Allium cepa* L.) Skin: A rich resource of biomolecules for the sustainable production of colored biofunctional textiles, Molecules, 24 (2019) 634. https://doi.org/10.3390/molecules24030634.

-L. Corsi, F. Pellati, **V. Brighenti**, N. Plessi, S. Benvenuti, Chemical composition and *in vitro* neuroprotective activity of fibre-type *Cannabis sativa* L. (hemp), Current Bioactive Compounds, 15 (2019) 201-210.
https://doi.org/10.2174/1573407214666180809124952.

-L. Marchetti, **V. Brighenti**, M.C. Rossi, J. Sperlea, F. Pellati, D. Bertelli, Use of ^{13}C-qNMR spectroscopy for the analysis of non-psychoactive cannabinoids in fibre-type *Cannabis sativa* L. (Hemp), Molecules, 24 (2019) 1138.
https://doi.org/10.3390/molecules24061138.

-R. Iseppi, **V. Brighenti**, M. Licata, A. Lambertini, C. Sabia, P. Messi, F. Pellati, S. Benvenuti, Chemical characterization and evaluation of the antibacterial activity of essential oils from fibre-type C*annabis sativa* L. (Hemp), Molecules, 24 (2019) 2302.
https://doi.org/10.3390/molecules24122302.

-D. Ronga, F. Pellati, **V. Brighenti**, K. Laudicella, L. Laviano, M. Fedailaine, S. Benvenuti, N. Pecchioni, E. Francia, Testing the influence of digestate from biogas on growth and volatile compounds of basil (*Ocimum basilicum* L.) and peppermint (*Mentha x piperita* L.) in hydroponics, Journal of Applied Research on Medicinal and Aromatic Plants, 11 (2018) 18-26. https://doi.org/10.1016/j.jarmap.2018.08.001

-F. Pellati, **V. Brighenti**, J. Sperlea, L. Marchetti, D. Bertelli, S. Benvenuti, New methods for the comprehensive analysis of bioactive compounds in *Cannabis sativa* L. (hemp), Molecules, 23 (2018) 2639.
https://doi.org/10.3390/molecules23102639.

-R. Bruni, **V. Brighenti** , L. Caesar, D. Bertelli, N. Cech, F. Pellati, Analytical methods for the study of bioactive compounds from medicinally used *Echinacea* species, Journal of Pharmaceutical and Biomedical Analysis, 160 (2018) 443-477.
https://doi.org/10.1016/j.jpba.2018.07.044.

-S. Benvenuti, **V. Brighenti**, F. Pellati, High-performance liquid chromatography for the analytical characterization of anthocyanins in *Vaccinium myrtillus* L. (bilberry) fruit and food products, Analytical and Bioanalytical Chemistry, 410 (2018) 3559-3571.
https://doi.org/10.1007/s00216-018-0915-z.

-D. Bertelli, **V. Brighenti**, L. Marchetti, A. Reik, F. Pellati, Nuclear magnetic resonance and high-performance liquid chromatography techniques for the characterization of bioactive compounds from *Humulus lupulus* L. (hop), Analytical and Bioanalytical Chemistry, 410 (2018) 3521-3531. https://doi.org/10.1007/s00216-018-0851-y.

-F. Pellati, V. Borgonetti, **V. Brighenti**, M. Biagi, S. Benvenuti, L. Corsi, *Cannabis sativa* L. and Nonpsychoactive Cannabinoids: their chemistry and role against oxidative stress, inflammation and cancer, BioMed Research International (2018) 1691428.

https://doi.org/10.1155/2018/1691428.

-M. Tacchini, A. Spagnoletti, **V. Brighenti**, F.P. Prencipe, S. Benvenuti, G. Sacchetti, F. Pellati, A new method based on supercritical fluid extraction for polyacetylenes and polyenes from Echinacea pallida (Nutt.) Nutt. Roots, Journal of Pharmaceutical and Biomedical Analysis, 146 (2017) 1-6. http://dx.doi.org/10.1016/j.jpba.2017.07.053.

-V. Brighenti, F. Pellati, M. Steinbach, D. Maran, S. Benvenuti, Development of a new extraction technique and HPLC method for the analysis of non-psychoactive cannabinoids in fiber-type *Cannabis sativa* L. (hemp), Journal of Pharmaceutical and Biomedical Analysis, 143 (2017) 228-236. http://dx.doi.org/10.1016/j.jpba.2017.05.049.

-A. Maietti, **V. Brighenti**, G. Bonetti, P. Tedeschi, F.P. Prencipe, S. Benvenuti, V. Brandolini, F. Pellati, Metabolite profiling of flavonols and *in vitro* antioxidant activity of young shoots of wild *Humulus lupulus* L. (hop), Journal of Pharmaceutical and Biomedical analysis, 142 (2017) 28-34. http://dx.doi.org/10.1016/j.jpba.2017.04.043.

-V. Brighenti, S.F. Groothius, F.P. Prencipe, R. amir, S. Benvenuti, F. Pellati, Metabolite fingerprinting of pomegranate (*Punica granatum* L.) polyphenols by means of HPLC-UV/DAD, ESI-MS and MS^2, Journal of Chromatography A, 1480 (2017) 20-31.
http://dx.doi.org/10.1016/j.chroma.2016.12.017.

-S. Sait, S. Hamri-Zeghichi , L. Boulekbache-Makhlouf, K. Madani, P. Rigouc, **V. Brighenti**, F. P. Prencipe, S. Benvenuti, F. Pellati, HPLC-UV/DAD and ESI-MSn analysis of flavonoids and antioxidantactivity of an Algerian medicinal plant: Paronychia argentea Lam., Journal of Pharmaceutical and Biomedical analysis, 111 (2015) 231-240.
http://dx.doi.org/10.1016/j.jpba.2015.03.027.

-F.P. Prencipe, **V. Brighenti**, M. Rodolfi, A. Mongelli, C. dall'Asta, T. Ganino, R. Bruni, F. Pellati, Development of a new high-performance liquid chromatography method with diode array and electrospray ionization-mass spectrometry detection for the metabolite fingerprinting of bioactive compounds in Humulus lupulus L., Journal of Chromatography A, 1349 (2014) 50-59. http://dx.doi.org/10.1016/j.chroma.2014.04.097.

PARTECIPATION TO RESEARCH PROJECTS

-FAR 2019: "New analytical approaches for the determination of cannabinoids in *Cannabis sativa* L. based products and biological fluids" funded by the University of Modena and Reggio Emilia (P.I.: Federica Pellati); duration: 2 years.
-FAR 2018: "Sweet cherry and other red fruit as new sources of neuroprotective agents: an interdisciplinary study" funded by the University of Modena and Reggio Emilia (P.I.: Davide Bertelli); duration: 2 years.
-FAR 2017: "Bioactive compounds from Cannabis sativa L. for the prevention and complementary therapy of neurodegenerative diseases", funded by the University of Modena and Reggio Emilia (P.I.: Prof. Stefania Benvenuti); duration: 1 year.
-**FAR 2015**:"Innovative methods for the extraction and chromatographic analysis of bioactive polyphenols in berry fruits", funded by the University of Modena and Reggio Emilia (P.I.: Dr. F. Pellati); duration: 1 year.
-**Regional project** "Polichol" presented by "New Poli Pharma Net" in the ambit of the regional call "Dai Distretti Produttivi ai Distretti Tecnologici 2, Bando per la selezione di programmi di ricerca Distretto 5-Farmaceutica e Biotecnologie); duration: 1 year.

AWARDS, GRANTS AND FELLOWSHIPS

-Chair certificate for the 10th World Congress on Chemistry and Medicinal Chemistry 2020, Rome, Italy, 28-29/02/2020.
-Reviewer certificate awarded by MDPI publisher.
-Special Mention "Eye catcher company project" awarded to Micro-ReSkin team by ReActor scientific committee in the ambit of ReActor entrepreneurship and innovation school, sponsored by Golinelli Foundation.
-Certificate of merit for having outstanding accomplishments in national and international research awarded by the Rector of the University of Modena and Reggio Emilia, 19/12/2018;
-SIROE Young Researcher Award (2nd place), awarded by the Italian Society for the Research on Essential Oils (SIROE), in occasion of the V Congress of SIROE, Teramo, Italy, 19-20/10/2018;
-**Travel grant** awarded by the Division of Medicinal Chemistry of the Italian Society of Chemistry (SCI) to participate to the Summer School on Pharmaceutical analysis (SSPA), Rimini, Italy, 18-20/09/2017;
-**Best flash-oral communication** awarded by the Italian Chemical Society (SCI) in occasion of the XVI Day of Chemistry of Emilia Romagna , Ferrara, Italy, 19/12/2016;

-**Travel grant** awarded by the American Chemical Society (ACS) to participate to the 252nd ACS National Meeting & Exposition, Philadelphia (PA), USA, 21-25/08/2016;
-**Travel grant** awarded by the American Chemical Society (ACS) to participate to the 250th ACS National Meeting & Exposition, 16-20/08/2015, Boston (MA), USA;
-**Best poster presentation** award awarded by the Italian Chemical Society (SCI) in occasion of the XIII Day of Chemistry of Emilia Romagna, Bologna, 18/12/2013**.**

COMMUNICATIONS TO CONGRESSES

Oral communications

-V. Brighenti, Analytical characterization of polyphenols and antioxidant activity of *Vaccinium myrtillus* L. and *Prunus avium* L. fruit, 10th World Congress on Chemistry and Medicinal Chemistry 2020, Rome, Italy, 28-29/02/2020. Presenting author.
-**V. Brighenti**, D. Bertelli, A.M. González-Paramás, L. Marchetti, S. Benvenuti, C. Santos-Buelga, F. Pellati, Analytical characterization and antioxidant activity evaluation of sweet cherry, Isranalytica 2020, Tel-Aviv, Israel, 21-22/01/2020. Presenting author.
-**V. Brighenti**, F. Pellati, D. Bertelli, L. Marchetti, S. Benvenuti, To be or not to be….: applicazione di tecniche chimico-analitiche per la ricerca delle sofisticazioni nel settore degli oli essenziali, 6th SIROE National Congress, Bologna, 18-19/10/2019. Presenting author.
-**V. Brighenti**, D. Bertelli, A.M. González-Paramás, L. Marchetti, S. Benvenuti, C. Santos-Buelga, F. Pellati, Analytical characterization and *in vivo* anti-oxidant activity evaluation of the polyphenolic fraction of *Prunus avium* L., Pharmaceutical and Biomedical Analysis 2019, Tel Aviv, Israel, 15-18/09/2019. Presenting author.
-**V. Brighenti**, D. Bertelli, A.M. González-Paramás, L. Marchetti, S. Benvenuti, C. Santos-Buelga, F. Pellati, Analytical characterization and *in vivo* anti-oxidant activity evaluation of *Prunus avium* L. (sweet cherry) fruit., Recent Development in Pharmaceutical Analysis 2019, Pescara, Italy, 8-11/09/2019. Presenting author.
-**V. Brighenti**, R. Iseppi, C. Sabia, P. Messi, S. Benvenuti, F. Pellati, Chemical characterization and evaluation of the antibacterial activity of essential oils from fibre-type *Cannabis sativa* L. (hemp), 9th World Congress on Chemistry and Medicinal Chemistry, Prague, Czech Republic, 13-14/05/2019. Presenting author.
-V. Brighenti, F. Pellati, J. Sperlea, S. Benvenuti, Sviluppo di un nuovo metodo HS-SPME-GC-FID per l'analisi dei componenti volatili in *Cannabis sativa* L. (canapa), 5th SIROE Congress, Teramo, Italy, 19-20/10/2018. Presenting author, accepted.
-F. Pellati, **V. Brighenti**, S. Benvenuti, HPLC and GC Techniques for the comprehensive analysis of bioactive compounds in fibre-type *Cannabis sativa* L. (hemp), International Symposium on Chromatography (ISC 2018), Cannes-Mandelieu, France, 23-27/09/2018. Co-author;
-**V. Brighenti**, F. Pellati, D. Bertelli, T. Pedrazzi, S. Benvenuti, Cannabinoids from inflorescences to apiary products, School of phytochemistry "P. Ceccherelli" 2018, Albenga, Italy, 7-9/06/2018. Presenting author
-**V. Brighenti**, New methods for the study and characterization of natural products as sources of bioactive compounds, SSPA, Rimini, Italy, 18-20/09/2017. Presenting author;
-**V. Brighenti**, C. Ranieri, F. Pellati, S. Benvenuti, Metabolite profiling of anthocyanins in *Vaccinium myrtillus* L. berries and food products, XV Congress of SIF jointly with 1st ICEMAP, Pisa, Italy, 28-30/06/2017. Presenting author;
-**V. Brighenti**, C. Ranieri, F. Pellati, S. Benvenuti, Analytical characterization of anthocyanins in *Vaccinium myrtillus* L. berries and food products, 253rd ACS National Meeting & Exposition, San Francisco (CA), USA, 2-6/04/2017. Presenting author;
-**V. Brighenti**, F. Pellati, M. Steinbach, S. Benvenuti, Assessment of the most efficient technique for the extraction of non-psychoactive cannabinoids from *Cannabis sativa* L. (fiber type hemp), XVI Day of Chemistry of Emilia Romagna , Ferrara, Italy, 19/12/2016. Presenting author;
-F. Pellati, **V. Brighenti**, S.F. Groothuis, F.P. Prencipe, R. Amir, S. Benvenuti, Metabolite fingerprinting of *Punica granatum* L. (pomegranate) by means of HPLC-UV/DAD and HPLC-ESI-MS^2, XXV SILAE Congress, Modena, Italy, 11-15/09/2016. Co-author;
-**V. Brighenti**, R. Tardugno, S. Benvenuti, F. Pellati, Optimization of a new HPLC method with UV/DAD and ESI-MSn detection for the analysis of non-psychoactive cannabinoids in *Cannabis sativa* L., 252nd ACS National Meeting and Exposition, Philadelphia (PA), USA, 21-25/08/2016. Presenting author;
-**V. Brighenti**, Cannabis sativa L.: development and validation of a new HPLC method with UV/DAD and ESI-MSn detection for the analysis of non-psychoactive cannabinoids, 2nd Inter-European Meeting of Student Chapters: UNIMORE Student Chapter hosts TU Munich Student Chapter, Modena, Italy, 29-30/07/2016. Presenting author;

-**V. Brighenti**, D. Maran, F. Pellati, R. Tardugno, S. Benvenuti, Ottimizzazione di un nuovo metodo HPLC-UV/DAD e HPLC-ESI-MS^n per l'analisi di cannabinoidi non psicoattivi in *Cannabis sativa* L., School of phytochemistry "P. Ceccherelli" 2016, Modena, Italy, 10-12/06/2016. Presenting author;
-**V. Brighenti**, Metabolite fingerprinting of *Punica granatum* L. by means of HPLC-UV/DAD and HPLC-ESI-MS^n, 1st Inter-European Meeting of Student Chapters: TU Munich Student Chapter hosts UNIMORE Student Chapter, Munich, Germany, 5-6/02/2016. Presenting author;
-F. Pellati, F.P. Prencipe, **V. Brighenti**, R. Tardugno, S. Benvenuti, Nuove metodologie basate sulla tecnologia fused-core per l'analisi HPLC di prodotti naturali School of phytochemistry "P. Ceccherelli" 2014, Stintino, Italy, 2-5/10/2014. Co-author;
-**V. Brighenti**, F. Pellati, F.P. Prencipe, R. Bruni, S. Benvenuti, Sviluppo di metodologie analitiche innovative per il metabolite fingerprinting dei componenti attivi di *Humulus lupulus* L., School of phytochemistry "P. Ceccherelli" 2014, Stintino, Italy, 2-5/10/2014. Presenting author;
-F. Pellati, F.P. Prencipe, **V. Brighenti**, R. Tardugno, S. Benvenuti, Innovative methods based on the fused-core technology for the HPLC analysis of natural products, 248th ACS National Meeting & Exposition, San Francisco (CA), USA, 10-14/08/2014. Co-author.

Poster communications

-**V. Brighenti**, D. Bertelli, L. Marchetti, S. Benvenuti, L. Pigani, F. Pellati, New Analytical Methods for the Study of Bioactive Polyphenols in *Prunus avium* L. (sweet cherry), Recent Development in Pharmaceutical Analysis 2019, Pescara, Italy, 8-11/09/2019. Co-Author.
-**V. Brighenti**, D. Bertelli, A.M. González-Paramás, L. Marchetti, S. Benvenuti, C. Santos-Buelga, F. Pellati, *Prunus avium* L. (sweet cherry) fruit: analytical characterization and *in vivo* anti-oxidant activity evaluation, XXVI National Meeting on Medicinal Chemistry (NMMC), Milan, Italy, 16-19/07/2019. Presenting author.
-**V. Brighenti**, F. Pellati, L. Anceschi, L. Mercolini, M. Protti, A novel analytical tool based on HPLC-DAD-MS/MS for the analysis of psychoactive and non-psychoactive cannabinoids from *Cannabis sativa* L., 5th European Bioanalysis Forum Young Scientists Symposium (EBF-YSS), Bologna, Italy, 21-22/03/2019. Presenting author.
-**V. Brighenti**, F. Pellati, J. Sperlea, S. Benvenuti, Sviluppo di un nuovo metodo HS-SPME-GC-FID per l'analisi dei componenti volatili in *Cannabis sativa* L. (canapa), 5th SIROE Congress, Teramo, Italy, 19-20/10/2018. Presenting author.
-**V. Brighenti**, F. Pellati, T. Pedrazzi, D. Bertelli, S. Benvenuti, Development of a new HPLC-ESI-MS/MS method for trace analysis of non-psychoactive cannabinoids in apiary products, International Symposium on Chromatography (ISC 2018), Cannes-Mandelieu, France, 23-27/09/2018. Presenting author.
-**V. Brighenti**, F. Pellati, T. Pedrazzi, B. Wissmann Monteiro, S. Benvenuti, A new HPLC-ESI-MS/MS method for the analysis of non-psychoactive cannabinoids in apiary products, RDPA, Rimini, Italy, 20-23/09/2017. Presenting author;
-S. Benvenuti, **V. Brighenti**, C. Ranieri, F. Pellati, C. Bonacini, Characterization of anthocyanins in bilberry (*Vaccinium myrtillus* L.) food derivatives, XXV SILAE Congress, Modena, 11-15/09/2016. Co-author.
-**V. Brighenti**, D. Maran, F. Pellati, R. Tardugno, S. Benvenuti, *Cannabis sativa* L.: development and validation of a new HPLC method with UV/DAD and ESI-MS^n detection for the analysis of non-psychoactive cannabinoids, XXV SILAE Congress, Modena, 11-15/09/2016. Presenting author;
-**V. Brighenti**, F. Pellati, R. Tardugno, D. Maran, S. Benvenuti, Development of a new HPLC method with UV/DAD and ESI-MSn detection for the analysis of non-psychoactive cannabinoids in *Cannabis sativa* L., XV Day of Chemistry of Emilia Romagna, Modena, Italy, 18/12/2015. Presenting author;
-**V. Brighenti**, A. Chiossi, A. Venturelli, F. Pellati, An innovative microwave-assisted procedure for the extraction and purification of policosanols from beeswax, 250th American Chemical Society National Meeting and Exposition, Boston (MA), USA, 16-20/08/2015. Presenting author;
-**V. Brighenti**, A. Chiossi, F. Pellati, A. Venturelli, Development of an innovative procedure for the extraction and purification of policosanol from beeswax, XIV Day of Chemistry of Emilia Romagna, Parma, Italy, 18/12/2014. Presenting author;
-F. Pellati, F.P. Prencipe, **V. Brighenti**, R. Tardugno, S. Benvenuti, New HPLC methods based on the fused-core technology for the analysis of natural products, 30th International Symposium on Chromatography (ISC 2014), Salzburg, Austria, 14-18/09/2014. Co-author;
-F. Pellati, F.P. Prencipe, **V. Brighenti**, R. Tardugno, S. Benvenuti, Innovative methods based on the fused-core technology for the HPLC analysis of natural products, SciMix Session, 248th ACS National Meeting & Exposition, San Francisco, USA, 10-14/08/2014. Co-author;
-F. Pellati, F.P. Prencipe, **V. Brighenti**, R. Tardugno, S. Benvenuti, Recent advances in the HPLC analysis of natural products by means of the fused-core technology, Nuove Prospettive in Chimica Farmaceutica (NPCF-8), Parma, 9-11/06/ 2014. Co-author;

-F.P. Prencipe, F. Pellati, **V. Brighenti**, S. Benvenuti, R. Bruni, Development of an advanced analytical method for the metabolite fingerprinting of the bioactive compounds in *Humulus lupulus* L., XIII Day of Chemistry of Emilia Romagna, Bologna, 18/12/2013. Co-author

REFEREES

-Prof. Federica Pellati, Department of Life Sciences, University of Modena and Reggio Emilia;
e-mail: federica.pellati@unimore.it;
-Prof. Stefania Benvenuti, Department of Life Sciences, University of Modena and Reggio Emilia;
e-mail: stefania.benvenuti@unimore.it;
-Prof. Davide Bertelli, Department of Life Sciences, University of Modena and Reggio Emilia;
e-mail: davide.bertelli@unimore.it;
-Dr. Alberto Venturelli, Tydock Pharma s.r.l., Strada Gherbella, 294, Modena, Italy;
e-mail: a.venturelli@tydockpharma.com;
-Prof. Coral Barbas, Head of the Center for Metabolomic and Bioanalysis (CEMBIO), Faculty of Pharmacy, San Pablo-CEU University, Madrid (Spain);
e-mail: cbarbas@ceu.es.

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Virginia Brighenti