

Laura Cornara

Associate Professor in Botany (SSD BIOS-01/A)
Department of Earth, Environmental and Life Sciences,
University of Genova



EDUCATION AND TRAINING

1983: Master Degree in Biology, magna cum laude, University of Genova.
1983: Professional qualification (state exam for the profession of Biologist)
2012-2014 Call: from 28-01-2014 National Scientific Qualification as Associate Professor in Botany in the Italian higher education system (disciplinary field of 05/A1 – Botany -Ministerial Decree n. 222/2012).
2016-2018 Call: from 05/12/2017 valid until 05/12/2029 National Scientific Qualification as Full Professor in the Italian higher education system (disciplinary field of 05/A1 – Botany - Ministerial Decree n. 1532/2016)

PROFESSIONAL HISTORY

2016- present: Associate Professor of Botany, University of Genova; Italy.
2000-2016: Senior Researcher of Botany, Faculty of Sciences, University of Genova
1986-2000: Graduate Technician, Institute of Botany, University of Genova.
2019-2020. Member of the scientific committee of “XIII Convegno Nazionale sulla Biodiversità” (8-11 settembre 2020, Foggia)
2018-2024. Member of the scientific committee of the annual “International Symposium on Phytochemicals in Medicine and Food” (ISPMF, CHINA).
2018-present: Juror at the Euroflora events (Genova, Italy).
2013-present. Member of the Academic Staff of the PhD Course of "Scienze e Tecnologie per l'Ambiente e il Territorio" (STAT)-Università di Genova.
2006-2012. Member of the Academic Staff of the PhD Course of “Botany applied to Agriculture and Environment”)-Università di Genova.
2007: Committee member, Concorso ricercatore universitario BIO/01 Botanica generale, Università di Pisa, Decreto di nomina n. 5179 del 30 marzo 2007 G. U. n. 31 del 17/4/2007.
2006: Committee member, Concorso ricercatore universitario BIO/01 Botanica generale, Università di Parma, Decreto di nomina n. 1864 del 26 ottobre 2005 G. U. IV serie speciale n. 91 del 18/11/2005.
2000-present: Member of the Italian Society of Botany.
2014-present: Member of the Italian Society of Phytotherapy.

BIBLIOMETRIC INDICES

Scopus: publications 133, citations 4113, H index 30

ACADEMIC APPOINTMENTS

2021- present: Member of the “Commissione per la Terza Missione (CdA - 8 Public Engagement) del DISTAV” established by the Distav Department on 18/06/2021.

2017-present: Representative of the Distav Department in the “Commissione Divulgazione della Scuola di Scienze M.F.N”

2016-2019: Member of the “Consiglio Direttivo del Centro di Servizio di Ateneo per i Giardini Botanici Hanbury (GBH)” D.R. n. 550 del 16.2.2016, and confirmed from 23-3-2016 until 21-3-2019

2006-present: Member of the Study plan Commission of the Degree Course in Biology.

2006-present. Member of the Study plan Commission and Teaching Committee of the Degree Program in Biology.

EXPERIENCE

MAIN SEMINARS

2000-present: Delivered numerous seminars and informational conferences for a range of organizations and associations, including: Amici dell'Acquario di Genova; Museo di Storia Naturale Giacomo Doria di Genova; Museo dei Beni Culturali Cappuccini di Genova; Società Ligure di Storia Patria, Genova; Un Mare di Scienza (Scuola Scienze MFN of UNIGE); Univeristà della terza età of Sestri Ponente and Bogliasco (GE); CREA-OF di Sanremo (IM); 'Biophysics Week' del 2016 c/o Teatro di Camogli (GE), ecc.

RECENT RESEARCH ACTIVITY:

Anatomical and micromorphological studies, using both light microscopy and scanning electron microscopy, aimed at characterizing medicinal and food plants, and at identifying structures and tissues involved in the production and accumulation of secondary metabolites. For this purpose, ethnobotanical research has also been carried out to select plants of primary interest—used for food, medicinal, and cosmetic purposes—and to investigate their active compounds and biological activities through phytochemical analyses and in vitro tests.

Micromorphological, molecular, and phytochemical analyses for the safety assessment of edible flowers and herbal blends marketed as supplements. Similar investigations have also been conducted on products sold as “smart drugs”, as well as on psychoactive and toxic plants, with a focus on public health safety and forensic applications.

Anatomical and morpho-functional studies of floral structures, related to floral biology and plant reproductive success. Investigations of pollen and seed viability and germination processes, with particular reference to the complex reproductive biology of Orchidaceae.

SCIENTIFIC COLLABORATION

Research activities comprise extensive collaborations with professors and researchers from Italian universities, particularly with the research groups of: Prof. V. De Feo, Università di Salerno; Prof. Trombetta e Prof.ssa Smeriglio, Università di Messina; Prof. M. Labra e Prof.ssa J. Frigerio, Università di Milano Bicocca.

Further collaborations are established with international colleagues, such as Prof. J. Xiao, Università di Macao, China; Prof.ssa A. P. Fortuna-Perez, Sao Paulo State University, Brazil.

Collaborations are also maintained with organizations including: Centro di ricerca orticoltura e florovivaismo (CREA-OF) di Sanremo, IM (Dr. Ruffoni, Copetta e Volante); Centro di Sperimentazione e Assistenza Agricola(CeRSAA) di Albenga, SV (Dr. A. Minuto e G. Minuto); Coldiretti di Savona e di Genova; Consorzio del Basilico Genovese DOP; Agenzia delle Dogane di Genova; Ufficio Conservazione botanico-forestale del Parco Nazionale del Gran Paradiso, Valle d'Aosta (Dr. A. Mainetti).

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

2024-in progress: Contributi per la ricerca in agricoltura biologica (D.D. n. 9220340 del 08.10.2020 Ministero delle politiche agricole alimentari e forestali, Italy). "Estratti ed oli essenziali di piante officinali e aromatiche da agricoltura biologica per nuove formulazioni fitoiatriche"; "ESSENTIAL". Head of Local Research Unit, Eu 89.650

2017-2023- LIFE17 NAT/IT/000596 "Improving the conservation status of critically endangered orchid communities in selected habitats in Northwestern Italy" Head of Local Research Unit, Eu 53.500

2017- Finanziamento ANVUR: Ammessa al finanziamento annuale individuale delle attività base di ricerca, di cui ai commi 295-302 della Legge 11 dicembre 2016, n. 232.Eu 3000

2012 Regione Liguria, PO CRO FSE 2007-2013 Asse IV. Titolo: "Utilizzo dei sottoprodotti del settore olivicolo-oleario: proprietà biologiche e biomolecole per l'industria". Head of the project, Eu 52.000.

2007. PRIN - prot. 2007PKFAAT_004. "Accumulation, localization and effects of trace elements in plants suitable for phytoremediation and in model plants.". Head of Local Research Unit, Eu: 32.150.

2004. PRIN - prot. 2004055240_002. "Analysis of tolerance of As and heavy metal and their accumulation in *Pteris vittata*, mycorrhizal or not, and in native ferns.". Head of Local Research Unit, Eu: 57.100.

TEACHING OR RESEARCH POSITIONS (FELLOWSHIPS) AT FOREIGN UNIVERSITIES AND RESEARCH INSTITUTES

2015-present: Postgraduate programs: Master of I level in "Fitoterapia" and Master of II level in "Fitoterapia applicata" at University of Siena.

2015-2019: Affiliated Researcher at IBF-CNR (Institute of Biophysics, CNR) Genova, Italy

2011-2016: Postgraduate program: Master of II level in "Caratterizzazione e risanamento di siti contaminati" at the University of Venezia "Cà Foscari".

OTHER TEACHING ACTIVITY

2023-Lesson for the Programma di Formazione ARPAL, Liguria, "I pollini: interesse allergologico e importanza del monitoraggio", 24-02-2023, Genova.

2021: Lecture for the XXII Multidisciplinary University Course in Development Education (March 4, 2021) of the University of Genoa in collaboration with UNICEF.

2000-present- Lessons for UNISENIOR - MFN School of the University of Genova.

2019-present: Lecturer of the course “Micromorphological characterization of plant tissues” of the STAT PhD program, at University of Genova, Italy

2019-Lesson at the “Evento ECM”: ‘Le scienze forensi nel settore veterinario: approccio metodologico’. Istituto Zooprofilattico Sperimentale della Lombardia ed Emilia-Romagna-IZSLER “Bruno Ubertini”. Brescia, 31 ottobre 2019. Italy.

2014-Lecturer for the Postgraduate course (Master of I level) in "Esperto in biotecnologie dei prodotti alimentari" at University of Genova.

EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES, ENCYCLOPAEDIAS AND TREATISES

2020-present: Collection Editor of Special Issue “Bioactive compounds in plants” of Plants (MDPI).

2018-present: Member of the Editorial Board of the international journals eFood (Wiley) and Plants (MDPI).

2016-present: Member of the scientific committee of national journals “Erboristeria domani” and “Innovazione in Botanicals”. CEC Editore, Milano, Italy.

PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

2025- 3rd Prize at the Photographic contest “Verde Svelato” - category “Micromondo Vegetale” organized by AFNI – Associazione Fotografi Naturalisti Italiani sez. Puglia and SBI (Società Botanica Italiana). Award ceremony June 12, 2025, at the International Plant Sciences Meeting: From Plant Morphology to Sustainability, Bari.

2024-present: Membership of the Scientific Council of the Festival of Science, Genoa

2022-present: Corresponding Academic in the Class of Sciences of the Ligurian Academy of Sciences and Letters, Genova (Italy). <http://www.accademialigurediscienzelettere.it/>

2016-Prize for the best poster at the 111° Congresso della Società Botanica Italiana-III international Plant Science Conference-Roma 21-23 settembre 2016. Borghesi B., Mora E., Vincis D., Caputo L., De Feo V., Cornara L. “Towards a compilation of an atlas of psychoactive plant seeds”

PARTICIPATION IN THE CREATION OF NEW BUSINESS ENTITIES (SPIN-OFFS), DEVELOPMENT, USE AND COMMERCIALISATION OF ACADEMIC PATENTS

2017: Burlando B, **Cornara L**, Borghesi B, Salis A, Damonte G, Clericuzio M, Castellano D. (2017). Preparation for dermatological treatment, particularly for skin diseases and for cosmetic skin treatment and process for producing said preparation. Patent number: WO2017187381 (A1), 2017-11-02, Applicant: Egadi Cosmesi Naturale srl.

MAIN PEER-REVIEWED SCIENTIFIC PUBLICATIONS (2020-2025)

Cornara, L., Valussi, M., Gurung, K., Lama, Lapka Sherpa, Polito, F., De Feo, V. (2025).

Investigation of the potential anxiolytic effects of essential oils derived from two sacred plants of tantric buddhism: *Rhododendron anthopogon* d.don and *Juniperus indica* Bertol BMC Complementary Medicine and Therapies Open source preview, 2025, 25(1), 236

Betuzzi, F., Malaspina, P., Polito, F., Bottino, G., De Feo, V., De Martino, L., **Cornara, L. (2025)**. Pharmacognosy and Antioxidant Activity of Pruned Leaves from the Unexplored *Olea europaea* L. 'Lavagnina' (Liguria, Italy). *Molecules*, 2025, 30(17), 3605

Malaspina, P., Polito, F., Alloisio, S., Barbieri, R., Trevena, G., Agostino E., Trombetta D., De Feo, V., **Cornara L.***, Smeriglio, A. (2025). *Syzygium oleosum* (F.Muell.) B.Hyland (Myrtaceae), an Unexplored Australian Species: Anatomical and Micromorphological Study of Leafy Twigs, and Characterization and Biological Activity of Their Essential Oil. *Plants*, 2025, 14(16), 2605

Danna, C., Mainetti, A., Belaid, S., La Camera, E., Trombetta, D., **Cornara, L.***, Smeriglio, A. (2025). Unveiling the Pharmacognostic Potential of *Peucedanum ostruthium* (L.) W.D.J. Koch: A Comparative Study of Rhizome and Leaf Essential Oils. *Plants*, 2025, 14(13), 2047

Ingegneri, M., Smeriglio, E., Zebbiche, Y., **Cornara, L.**, Visalli, L., Smeriglio, A., Trombetta, D.. (2025). The Dark Side of "Smart Drugs": Cognitive Enhancement vs. Clinical Concerns. *Toxics*, 2025, 13(4), 247

Bazzicalupo, M., Betuzzi, F., Frigerio, J., Guidi Nissim, W., Rapallo, F., Ruffoni, B., **Cornara, L.**, Copetta, A. (2025). Characterization of the floral traits, pollen micromorphology and DNA barcoding of the edible flowers from three basil taxa (Lamiaceae). *Genetic Resources and Crop Evolution*, 2025, 72(3), pp. 3383–3403, e13102

Betuzzi, F., Campioli, D., Malaspina, P., Rapallo, F., Bottino, G., Scrigna, G., Minuto, G., **Cornara, L. (2025)**. Morphological and Phytochemical Characterization of Old Ligurian Basil Accessions: Recovery of Old Biodiversity for Future Exploitation. *Plants*, 2025, 14(4), 553

Smeriglio, A., Trombetta, D., **Cornara, L.***, Malaspina, P., Ingegneri, M., Di Gristina, E., Bajona, E., Polito, F., De Feo, V. (2025). Pharmacognostic Study of the Leaves of *Ptilostemon greuteri* Raimondo & Domina, a Rare Sicilian Paleoendemic Species. *Plants*, 2025, 14(3), 370

Malaspina, P., Polito, F., Mainetti, A., De Feo, V., **Cornara, L. (2025)**. Anatomical, micromorphological and phytochemical characterization of *Artemisia chamaemelifolia*, a rare plant in the western Italian Alps. *Plant Biosystems*, 2025, Vol. 159, no. 5, 1050–1061

Malaspina, P., Polito, F., Mainetti, A., Khedhri, S., De Feo, V., **Cornara, L. (2025)**. Exploring Chemical Variability in the Essential Oil of *Artemisia absinthium* L. in Relation to Different Phenological Stages and Geographical Location. *Chemistry & Biodiversity*, 2025; 0:e00743

Malaspina, P., Ingegneri, M., Betuzzi, F., Di Gristina, E., **Cornara, L.**, Trombetta, D., Smeriglio, A. (2024). Beyond the Scent: New Evidence about Micromorphological, Phytochemical and Biological Features of *Plumeria rubra* 'Tonda Palermitana' (Apocynaceae). *Plants* 2024, 13(17), 2479.

Polito, F., Papaiani, M., Lois Woo, S., Malaspina, P., **Cornara, L. ***, De Feo, V. (2024). *Artemisia arborescens* (Vaill.) L.: Micromorphology, Essential Oil Composition, and Its Potential as an Alternative Biocontrol Product. *Plants* 2024, 13(6), 825

Danna, C., Malaspina, P., **Cornara, L.**, Smeriglio, A., Trombetta, D., De Feo, V., Vanin, S. (2024).

Eucalyptus essential oils in pest control: a review of chemical composition and applications against insects and mites. Crop Protection, Volume 176, February 2024, 106319

Cornara L., Mandrone M., Smeriglio A. (2024). Biotic and Abiotic Stressors in Plant Metabolism Int. J. Mol. Sci. 2024, 25, 121. <https://doi.org/10.3390/ijms25010121>

Smeriglio A., Ingegneri M., Germanò M. P., Miori L., Battistini G., Betuzzi F., Malaspina P., Trombetta D., **Cornara L.** (2024). Pharmacognostic Evaluation of *Monarda didyma* L. Growing in Trentino (Northern Italy) for Cosmeceutical Applications. Plants, 2024, 13, 112. <https://doi.org/10.3390/plants13010112>

Copetta, A., Marchioni, I., Najar, B., Bazzicalupo, M., Frigerio, J., Betuzzi, F., Ruffoni, B., Pistelli, L., Cornara, L., Pistelli, L. (2024). Micromorphological Features, DNA Barcoding and Nutraceutical Compounds of Two Edible Flowers: *Petunia × hybrida* and *Verbena bonariensis*. The Open Agriculture Journal, 28 Nov 2024, 10.2174/0118743315343744241009064651

Cornara L., Malaspina P., Betuzzi F., Di Gristina E., D'Arrigo M., Ingegneri M., Trombetta D., Smeriglio A. (2023). The Influence of Peco-Climatic Conditions on the Micromorphological, Phytochemical Features, and Biological Properties of Leaves of *Saponaria sicula* Raf Int. J. Mol. Sci. 2023, 24, 11693. <https://doi.org/10.3390/ijms241411693>

Burlando, B., **Cornara, L.**, Boggia, R. (2023) Nutraceutical Potential of High-latitude and High-altitude Berries Rich in Ellagitannins. Current Medicinal Chemistry Article2023 DOI: 10.2174/0929867329666220224151938

Sambù A., **Cornara L.**, Catarino L., Indjai B., Biagi M., Giordani P. (2023). Medical Ethnobotany of the Bissau-Guinean Community of Migrants Living in Northern Italy and Comparison with the Ethnopharmacology of Guinea-Bissau. Plants 2023, 12, 1909. <https://doi.org/10.3390/plants12091909>

Smeriglio, A., Lioni, J., Ingegneri, M., Burlando, B., **Cornara, L.**, Grillo, F., Mastracci, L., Trombetta, D. (2023). Xanthophyll-Rich Extract of *Phaeodactylum tricornutum* Bohlin as New Photoprotective Cosmeceutical Agent: Safety and Efficacy Assessment on In Vitro Reconstructed Human Epidermis Model. Molecules 2023, 28(10), 4190; <https://doi.org/10.3390/molecules28104190>

Polito F, Fratianni F., Nazzaro F., Amri I., Kouki H, Khammassi M. , Hamrouni L., Malaspina P., **Cornara L***, Khedhri S., Romano B., Maresca D.C., Ianaro A., Ercolano G., De Feo V. (2023). Essential Oil Composition, Antioxidant Activity and Leaf Micromorphology of Five Tunisian *Eucalyptus* Species. Antioxidants 2023, 12(4), 867; <https://doi.org/10.3390/antiox12040867>

Smeriglio A., Alloisio S., Barbieri R., Ingegneri M., Malaspina P., Burlando B., **Cornara L.**, Trombetta D. (2023). The Essential Oil of *Citrus lumia* Risso and Poit. 'Pyriformis' Shows Promising Antioxidant, Anti-Inflammatory, and Neuromodulatory Effects. Int. J. Mol. Sci. 2023, 24, 5534. <https://doi.org/10.3390/ijms24065534>

Bazzicalupo M., Calevo J., Smeriglio A., **Cornara L.*** (2023). Traditional, Therapeutic Uses and Phytochemistry of Terrestrial European Orchids and Implications for Conservation. Plants 2023, 12(2), 257; <https://doi.org/10.3390/plants12020257>

Cornara L., Sgrò F., Raimondo F. M., Ingegneri M., Mastracci L., D'Angelo V., Germanò M. P., Trombetta D., Smeriglio A. (2023). Pedoclimatic Conditions Influence the Morphological,

Phytochemical and Biological Features of *Mentha pulegium* L. Plants 2023, 12, 24.

<https://doi.org/10.3390/plants12010024>

Malaspina P., Betuzzi F., Ingegneri M., Smeriglio A., **Cornara L.**, Trombetta D. (2022). Risk of Poisoning from Garden Plants: Misidentification between Laurel and Cherry Laurel. Toxins 2022, 14, 726. <https://doi.org/10.3390/toxins14110726>

Malaspina P., Papaiani M., Ranesi M., Polito F., Danna C., Aicardi P., **Cornara L.**, Woo S. L., De Feo V. (2022). *Eucalyptus cinerea* and *E. nicholii* by-Products as Source of Bioactive Compounds for Agricultural Applications. Plants 2022, 11, 2777. <https://doi.org/10.3390/plants11202777>

Danna C., Bazzicalupo M., Ingegneri M., Smeriglio A., Trombetta D., Burlando B., **Cornara L.** (2022). Anti-Inflammatory and Wound Healing Properties of Leaf and Rhizome Extracts from the Medicinal Plant *Peucedanum ostruthium* (L.) W. D. J. KochMolecules 2022, 27, 4271. <https://doi.org/10.3390/molecules27134271>

Smeriglio A., Denaro M., Di Gristina E., Mastracci L., Grillo F., **Cornara L.**, Trombetta D. (2022). Pharmacognostic approach to evaluate the micromorphological, phytochemical and biological features of *Citrus lumia* seeds. Food Chemistry 375 (2022) 131855

Cornara L., Ambu G., Alberto A., Trombetta D., Smeriglio A. (2022). Characterization of Ingredients Incorporated in the Traditional Mixed-Salad of the Capuchin Monks. Plants 2022, 11(3), 301; <https://doi.org/10.3390/plants11030301>

Grillo, F., Campora, M., Carlin, L., **Cornara, L.**, Parente, P., Vanoli, A., Remo, A., Migliora, P., Fiocca, R., Fassan, M., Mastracci, L. (2022). “Stranger things” in the gut: uncommon items in gastrointestinal specimens. Virchows Archiv, Volume 480, pages 231–245, (2022).

Calevo, J., Bazzicalupo, M., González-Montelongo, C., González, D.R., **Cornara L.** (2022). Seed micromorphology supports species delimitation of *Orchis canariensis* (Orchidaceae), an endemic orchid from the Canary Islands. Nature Conservation Research 2022 DOI: 10.24189/NCR.2022.031

Danna C., Poggio L., Smeriglio A., Mariotti M., **Cornara L.** (2022). Ethnomedicinal and Ethnobotanical Survey in the Aosta Valley Side of the Gran Paradiso National Park (Western Alps, Italy) (2022) Plants, 11 (2), 170. <https://doi.org/10.3390/plants11020170>

Calevo J. , Copetta A. , Marchioni A., Bazzicalupo M. , Pianta M., Shirmohammadid N., **Cornara L.**, Giovannini, A. (2022).The use of a new culture medium and organic supplement to improve in vitro early stage development of five orchid species. Plant Biosystems, 2022, VOL. 156, N. 1, 143–151<https://doi.org/10.1080/11263504.2020.1840454>

Alloisio, S., Clericuzio, M., Nobile, M., Salis, A., Damonte, G., Canali, C., Fortuna-Perez, A.P., **Cornara, L.**, Burlando, B. (2022) Cannabis-like activity of *Zornia latifolia* Sm. detected in vitro on rat cortical neurons: major role of the flavone syzalterin. Drug and Chemical Toxicology, pp.1-13. 2022 DOI: 10.1080/01480545.2020.1788057

La Rosa, A., **Cornara, L.**, Saitta, A., ...La Mantia, T., Quave, C.L. (2021). Ethnobotany of the Aegadian Islands: safeguarding biocultural refugia in the Mediterranean. Journal of Ethnobiology and Ethnomedicine, 2021, 17(1), 47

Bazzicalupo, M., Calevo, J., Adamo, M., ...Copetta, A., **Cornara, L. (2021)**. Seed micromorphology, in vitro germination, and early-stage seedling morphological traits of *Cattleya purpurata* (Lindl. & Paxton) Van den Berg. *Horticulturae*, 7(11), 480

Bazzicalupo, M., **Cornara, L.**, Burlando, B., ...Smeriglio, A., Trombetta, D. (2021). *Carpobrotus edulis* (L.) N.E.Br. extract as a skin preserving agent: From traditional medicine to scientific validation. *Journal of Integrative Medicine*, 2021, 10.1016/j.joim.2021.09.002

Calevo, J., Bazzicalupo, M., Adamo, M., ...Giovannini, A., **Cornara, L. (2021)**. Floral trait and mycorrhizal similarity between an endangered orchid and its natural hybrid. *Diversity*, 13(11), 550

Danna, C., **Cornara, L.**, Smeriglio, A., ... De Feo, V., Caputo, L. (2021). *Eucalyptus gunnii* and *Eucalyptus pulverulenta* 'baby blue' essential oils as potential natural herbicides. *Molecules*, 26(21), 6749

Smeriglio, A., **Cornara, L.**, Trombetta, D. (2021). Antioxidants in diets and food. *Handbook of Dietary Phytochemicals*, 2021, Book Chapter, 2021, pp. 19–55. DOI: 10.1007/978-981-15-4148-3_3

Copetta, A., Bazzicalupo, M., Cassetti, A., Marchioni I., Mascarello C., **Cornara L.**, Pistelli, L., Ruffoni, B. (2021). Plant production and leaf anatomy of *Mertensia maritima* (L.) gray: Comparison of in vitro culture methods to improve acclimatization *Horticulturae*, 2021, 7(5), 111

Grillo, F., Campora, M., **Cornara, L.**, ... Sarocchi, F., Mastracci, L. (2021). The Seeds of Doubt: Finding Seeds in Intriguing Places. *Frontiers in Medicine*, 2021, 8, 655113

Caputo, L., **Cornara, L.**, Raimondo, F.M., ...Trombetta, D., Smeriglio, A. (2021) *Mentha pulegium* L.: A plant underestimated for its toxicity to be recovered from the perspective of the circular economy. *Molecules*, 2021, 26 (8), 2154.

Calderoni, M., Altare, M., Mastracci, L., ...**Cornara, L.**, Pagano, A. (2021). Potential risks of plant constituents in dietary supplements: Qualitative and quantitative analysis of *Peganum harmala* seeds. *Molecules*, 2021, 26 (5), 1368.

Denaro, M., Smeriglio, A., De Francesco, C., Xiao, J., **Cornara, L.**, Trombetta, D. (2020). In vitro intestinal transport and anti-inflammatory properties of ideain across Caco-2 transwell model. *Fitoterapia*, Volume 146, October 2020, 10472
<https://doi.org/10.1016/j.fitote.2020.104723>

Denaro M., Smeriglio A., Xiao J., **Cornara L.**, Burlando B., Trombetta D. (2020). New insights into *Citrus* genus: From ancient fruits to new hybrids. *Food Frontiers*.
<https://doi.org/10.1002/fft2.38>

Smeriglio A., Trombetta D., Alloisio S., **Cornara L.**, Denaro M., Garbati P., Grassi G., Circosta C. (2020). Promising in vitro antioxidant, anti-acetylcholinesterase and neuroactive effects of essential oil from two non-psychotropic *Cannabis sativa* L. biotypes. *Phytotherapy Research*
<https://doi.org/10.1002/ptr.6678>

Cornara, L., Mariottini, G.L., Giordani, P., Smeriglio, A., Trombetta, D., Guida, L., Lavorano, S., Burlando, B. (2020). Modulatory Activities of Plant Extracts on Jellyfish Cytotoxicity. *Wilderness and Environmental Medicine*, 2020, 31(3): 266–72. DOI: 10.1016/j.wem.2020.03.004

Cornara L., Ambu G., Trombetta D., Denaro M., Alloisio S., Frigerio J., Labra M., Ghimire G., Valussi M., Smeriglio A. (2020). Comparative and Functional Screening of Three Species Traditionally used as Antidepressants: *Valeriana officinalis* L., *Valeriana jatamansi* Jones ex Roxb. and *Nardostachys jatamansi* (D.Don) DC. Plants 9 (8), 994

Ambu, G., Chaudhary, R.P., Mariotti, M., **Cornara, L.** (2020). Traditional uses of medicinal plants by ethnic people in the Kavrepalanchok District, Central Nepal. Plants, 9 (6), 759

Caputo L., Smeriglio A., Trombetta D., **Cornara L.**, Trevena G., Valussi M., Fratianni F., De Feo V., Nazzaro F. (2020). Chemical Composition and Biological Activities of the Essential Oils of *Leptospermum petersonii* and *Eucalyptus gunnii*. Front. Microbiol., 15 April 2020
<https://doi.org/10.3389/fmicb.2020.00409>

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