

Curriculum vitae

PERSONAL INFORMATION

Surname and Name
Address
Telephone
E-mail
Nationality
Date of birth

Antonella Smeriglio

0906764039
asmeriglio@unime.it
Italian

WORK EXPERIENCE

Date
Occupation or position held
Name and address of employer

Date
Occupation or position held
Name and address of employer

Date
Occupation or position held
Name and address of employer

Date
Occupation or position held
Name and address of employer

Date
Occupation or position held
Name and address of employer

Date
Occupation or position held
Name and address of employer

Date
Occupation or position held
Name and address of employer

Date
Occupation or position held
Name and address of employer

Date
Occupation or position held
Name and address of employer

Date
Occupation or position held
Name and address of employer

Skills acquired

Until April 30, 2020
Guest Editor – Special Issue " Bioactive Compounds in Plants"

Plants (MDPI)

From July 20, 2018
Associate Editor – Basic Research

BMC Complementary and Alternative Medicine

From January 01, 2018
Research fellow in Pharmacognosy on Project "Autochthonous sources of secondary metabolites with potential tyrosinase-inhibitory activity"

Prof. Antonio Imbesi Foundation, Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina

Academic year 2015-2016
Role of teaching tutor into "Clinical Pharmacy: Oncology compounding" Second level master

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina

May 2015-December 2017
Research fellow for Specialization in Pharmacognosy

Prof. Antonio Imbesi Foundation, Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina

January-April 2015
Research fellow in "Research and development of nano-systems aimed at targeted drug delivery (TDD) in oncology - Project-PON02_00355_2964193.

Department of Drug Sciences and Health Products (SCIFAR), University of Messina

Academic year 2013-2014
Research fellow as Senior Researcher in technology and quality of drinking, mineral and still water

Department of Drug Sciences and Health Products (SCIFAR), University of Messina

Academic years 2010-2013
PhD student in "Experimental, Environmental and Labor toxicology" XXV° cycle
Department of Drug Sciences and Health Products (SCIFAR), University of Messina

Antioxidant and free radical scavenging studies and characterization of plant extracts by HPLC-DAD-MS and GC-MS; Chromatographic, Spectrophotometer and Atomic absorption spectroscopy (AAS) methods for the study and characterization of environmental and food chain contaminants.

Cell based bioassays for the study of cell viability, cytotoxicity and cell-specific functionality using colorimetric and fluorimetric techniques, protein secretion test and gene expression studies by RT-PCR; Cellular biodistribution studies by GC-MS and HPLC UV-VIS/FLU instruments.

Date	Academy year 2011-2012
Occupation or position held	Role of teaching tutor into “Diagnostic and Molecular Methodologies to human health” Second level master
Name and address of employer	Department of Drug Sciences and Health Products (SCIFAR), University of Messina
Date	From December 5, 2011
Occupation or position held	Scientific collaboration still in progress with the Department of Veterinary Public Health and Food Safety (DSPVSA)
Name and address of employer	Istituto Superiore di Sanità (ISS)-Rome
Date	September 2007-September 2010
Occupation or position held	Experimental thesis in Pharmacology-Toxicology
Name and address of employer	Department of Drug Sciences and Health Products (SCIFAR), University of Messina

EDUCATION AND TRAINING

Date	December 12, 2017
Occupation or position held	Specialization in Pharmacognosy with votes 50/50 with honor , with an experimental thesis titled "Aldose reductase as a therapeutic target in diabetic complications: new inhibitors from standardized <i>Cannabis sativa</i> L. CBD and CBG-type extracts".
Name and address of employer	Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina
Date	July 05, 2017
Occupation or position held	B2 English level certificate
Name and address of employer	Linguistic Centre of the University of Messina (CLAM)
Date	July 16, 2014
Occupation or position held	Title of “Head of Research in the nutraceutical and pharma-food industry”
Name and address of employer	University of Messina, “NUTRALifeHi-Nutraceutical care & Food for Specific Health Uses” project-PON 01_01499 Hi-LIFE
Date	April 12, 2013
Title of qualification awarded	PHD in “Experimental, Environmental and Labor Toxicology” XXV° cycle with a thesis titled “Intracellular distribution and biological effects on male fertility of polyphenols and contaminants of the food chain in an <i>in vitro</i> system model” carried out in collaboration with Istituto Superiore di Sanità (ISS)-Rome
Name and type of organisation providing education and training	Department of Drug Sciences and Health Products (SCIFAR), University of Messina
Date	October 17-18, 2013
Title of qualification awarded	“Mass Spectrometry of biomolecules: clinical and proteomic applications”
Name and type of organisation providing education and training	Italian Chemical Society - Mass spectrometry Division
Date	June 11-14, 2012
Title of qualification awarded	LC-MS 2012 “Advanced course on the coupling of mass spectrometry with separation techniques in liquid phase” ,
Name and type of organisation providing education and training	Italian Chemical Society – Mass Spectrometry Division

Date December 15, 2009
 Title of qualification awarded **Admitted to the Pharmacist Profession**
 Name and type of organisation providing education and training Order of Pharmacists, Messina

Date October 29, 2009
 Title of qualification awarded **Master's Degree in Pharmacy 14/S class with votes 110/110** with an experimental thesis entitled "Influence of exogenous and endogenous factors on the functional and organoleptic characteristics of *Lycopersicon esculentum* Mill." carried out in collaboration with the Plant Research international of Wageningen, Netherland

Name and type of organisation providing education and training Faculty of Pharmacy, University of Messina

Date April 8, 2009 – September 8, 2009
 Title of qualification awarded **Erasmus placement at Plant Research International, Wageningen, Netherland**

Name and type of organisation providing education and training Plant Research International, Wageningen Netherland
 Skills acquired Excellent skills in the field of molecular biology, metabolomics and gene silencing

Title of qualification awarded **Scientific diploma, Brocca scientific address**

Name and type of organisation providing education and training Scientific High school Archimede, Messina

Date 2002/2003
 Title of qualification awarded **Regional Operator Course on Personal Computer**
 Name and type of organisation providing education and training Informatic Center, Messina

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE Italian

OTHER LANGUAGES
self-assessment

English

French

Reading skills		Verbal skills		Writing skills
Spoken	Written	Interaction	Spoken	Written
Excellent	Excellent	Excellent	Excellent	Excellent
Good	Good	Good	Good	Good

TECHNICAL SKILLS AND COMPETENCES

Good use of computer, Office package, Internet and Mail

DRIVING LICENCE (s)

B

COURSES

Workshop on "Microarray & Biotechnology over 2010" – Biosistema&Bioteltec –February 15, 2010, Catania

Workshop on "Risk-benefit assessment and food safety "from farm to fork" into italian reality" Istituto Superiore di sanità – Rome –February 14, 2011

CISEF Training course "Biotechnologies and Medicine", June 10, 2011 Messina

XX National Workshop "Evaluation of use and drugs safety: Italian experiences"-Rome - December 12/13, 2011- Istituto Superiore di Sanità

Chromatographic analytical techniques in environmental monitoring and food safety-Catania- October 1, 2012-Thermo scientific

Third conference on "Evaluation of biocidal products: problems and new legislation"- Rome – November 06, 2012- Istituto Superiore di Sanità

Ultra performance-MS Technology Seminar" –Messina- June 05, 2013-Waters

COMMUNICATIONS TO CONGRESS

Holder of 60 contributions to national and international conferences of which 3 as invited speaker and 1 as chairperson. For additional information see ANNEX I.

PUBLICATIONS AND PATENTS

Holder of 3 publications in National Institute of Health (ISS) Journal, 45 publications in international peer-reviewed Journal, 2 patents and 3 book chapter. For additional information, see ANNEX II.

AWARDS

Travel Grant Award by Phytochemical Society of Europe (PSE), during the 2nd International PSE Symposium on "Natural Product in Cancer Prevention and Therapy" June 25-28, 2013 Naples (Italy), for an oral presentation titled "Intracellular distribution and biological effects of plant bioactives in a sex steroid-sensitive model of human prostate adenocarcinoma";

Travel Grant Award by Italian Botanical Society, during the 111° Congress of Italian Botanical Society - III International Plant Science Conference (IPSC), September 21-23, 2016 Rome (Italy), for a contribution titled "Phytochemical analysis and antioxidant properties of *Euphorbia dendroides* L. latex";

Travel Grant Award by Italian Botanical Society, during the 112° Congress of Italian Botanical Society - IV International Plant Science Conference (IPSC), September 20-23, 2017 Parma (Italy), for a contribution titled " *Euphorbia dendroides* L. (Euphorbiaceae) latex: polyphenols characterization and evaluation of antioxidant and radical scavenging properties";

Grant Award by Italian Society of Pharmacology (SIF), during the 38° National Congress of Italian Pharmacology Society "Farmaci, Salute e Qualità della Vita" October 25-28, 2017 Rimini (Italy), for the best poster contribution titled "Antioxidant effects of a hydroxytyrosol-based pharmaceutical formulation on body composition, metabolic state, and gene expression: a randomized double-blinded, placebo-controlled crossover trial";

Travel Grant Award by Italian Botanical Society, during the 113° Congress of Italian Botanical Society - V International Plant Science Conference (IPSC), September 12-14, 2018 Fisciano (Italy), for a contribution titled "*Alnus glutinosa* (L.) Gaertn. and *Alnus cordata* (Loisel) Duby as new sources of safe cosmetic and pharmacological anti-melanogenic agents".

Valducci Award by Italian Phytotherapy Society (S.I.Fit.) and Erba vita Group s.p.a., for the best oral presentation entitled: "Reconstructed human epidermis (RHE) model as a tool for the evaluation of tolerability and efficacy of a hydroxytyrosol-based formulation on atopic dermatitis" during the VIII SYRP: S.I.Fit. Young Researchers Project "Experimental models for the study of natural products", January 14, 2019 Imola (Italy).

Grant Award by Italian Botanical Society for the best poster contribution titled "The hull of ripe pistachio nuts (*Pistacia vera* L.) as a source of new promising tyrosinase inhibitors". 114° Congresso della Società Italiana di Botanica-VI International Plant Science Conference (IPSC) September 4-6, 2019, Padova (Italy).

Pharma Industry Award 2019, prestigious scientific recognition, established in 2000, as part of the collaboration between the Italian Society of Pharmacology and Pharma Industry attributed to researchers from the Academy and other Research companies distinguished by the quality of their research in the pharmacological field. Firenze November 23, 2019.

Messina March 09, 2020

Under articles n.38-46 of the decree of the President of the Republic (D.P.R.) n. 445/2000, I declare to be aware that false statements are punishable under the Penal Code and special laws according to the penalties specified into article n.76

Signature



I declare, also, to be informed, pursuant to and by effect of art. 13 of Legislative Decree no. 196/2003 that the personal data information will be treated, including by informatic tools, only part of the proceedings to which this declaration is made.

Signature



ANNEX I – CONTRIBUTIONS TO CONGRESS

ORAL COMMUNICATIONS

1. Morabito G., Cristani M., Naccari C., Smeriglio A., Mancari F., Saija A. and Trombetta D. Antioxidant properties of essential oils from Sicilian aromatic plants. 8th Indo-Italian Workshop on Chemistry and Biology of Antioxidants, November 30-December 1, 2010, Rome (Italy).
2. **A. Smeriglio**, R. Zena, P. Lo Cascio, G. Dugo, N. Cicero, T. Granata, A. Saija, D. Trombetta. Heavy metal and polycyclic aromatic hydrocarbons content, polyphenolic profile and antioxidant properties of globe artichokes from an area near a petrochemical plant. Alimed 2011–Mediterranean diet, May 22-25, 2011, Palermo, (Italy).
3. Cristani M., Zena R., Smeriglio A., Mancari F., Saija A., Trombetta D. Polyphenolic profile and antioxidant properties of globe artichokes exposed to environmental pollutants. 10th Indo-Italian Workshop on Chemistry and Biology of Antioxidants, November 9-13, 2011, (Italy).
4. Stefano Lorenzetti, Daniele Marcoccia, Laura Narciso, Ilaria Altieri, Antonella Smeriglio, Laura Basile, Domenico Trombetta, Marco Pintore, Alberto Mantovani; An alternative method to study Endocrine Active Chemicals: searching for a lower limit screening (anti)androgenic-like compounds affecting prostate-mediated male fertility. International Workshop: Low Dose Effects and Non-Monotonic Dose Responses for Endocrine Active Chemicals: Science to Practice- Charité Universitätsmedizin, Berlin, Germany, September 11- 13, 2012, (Italy).
5. Daniele Marcoccia, Laura Narciso, Antonella Smeriglio, Domenico Trombetta, Stefano Lorenzetti, Testicular dysgenesis syndrome: a prostate-based assay to detect chemicals which may alter male reproductive development- “Primary prevention of congenital malformations”- November 5, 2012-Istituto Superiore di Sanità, Rome (Italy).
6. **Antonella Smeriglio**, Domenico Trombetta, Daniele Marcoccia, Laura Narciso, Stefano Lorenzetti, Intracellular distribution and biological effects of plant bioactives in a sex steroid-sensitive model of human prostate adenocarcinoma, “International Symposium on Natural Products in Cancer Prevention and Therapy”- June 25-28, 2013 – Naples (Italy).
7. **Smeriglio, A.**, Giovinazzo, C., Trombetta, D., Extra Virgin Olive Oil as functional food: standardization process based on scientific evidences, XXIII° International SILAE Congress, September 7-12, 2014, Marsala (Italy).
8. Marcoccia D., Smeriglio A., Alipieva K.I., Georgiev M., Mantovani A., Trombetta D., Lorenzetti S. DHT induced PSA secretion to screen plant bioactives with an anti-androgen-like activity. EFSA's Scientific Conference "Shaping the Future of Food Safety, October 14-16, 2015, Milan (Italy).
9. **A. Smeriglio**, E.M. Galati, M.T. Monforte, G. Favazzi, V. D'Angelo, C. Circosta. Characterization of polyphenols and evaluation of antioxidant activity of finola hemp (*Cannabis sativa* L.) seed oil. 37° National Congress of Italian pharmacology society “I nuovi orizzonti della ricerca farmacologica: tra etica e scienza”, October 27-30, 2015 – Naples (Italy).
10. **Antonella Smeriglio**, Enza Maria Galati, Salvatore Giofrè, Maria Teresa Monforte, Valeria D'Angelo, Gianpaolo Grassi and Clara Circosta. Inhibitory effect on aldose reductase activity of standardized extracts of *Cannabis sativa* L. chemotypes. XXIV National Congress of Phytotherapy, May 27-29, 2016, Arezzo (Italy).

11. **Antonella Smeriglio**, Maria Teresa Monforte, Simona Pergolizzi, Clara Circosta, Enza Maria Galati. Fruits of *rubus fruticosus* L. Grown in sicily: Phytochemical analysis and biological effects. IV Incontro SYRP: S.I.Fit. Young Researchers Project in Phytotherapy, December 19, 2016, Padova (Italy).
12. **Antonella Smeriglio**, Enza M. Galati, Gianluigi Aliberto, Maria T. Monforte and Clara Circosta. Antioxidant activity of seed oils from *cannabis sativa* L. Varieties . XXV National Congress of Phytotherapy, May 26-28, 2017, Arezzo (Italy).
13. **Antonella Smeriglio**, Enza M. Galati, Gianluigi Aliberto, Maria T. Monforte and Clara Circosta. Polyphenolic profile and fatty acids composition of seed oils and their byproducts from *Cannabis sativa* L. Varieties with potential health-promoting properties. XV Congress of the Italian Society of Phytochemistry jointly with 1st International Congress on Edible. Medicinal and Aromatic Plants (ICEMAP 2017), June 28-30, 2017, Pisa (Italy).
14. **A. Smeriglio**, E. M. Galati, S.V. Giofrè, M.T. Monforte, N. Cicero, V. D'Angelo, G. Grassi and C. Circosta. Aldose Reductase Inhibitors from *Cannabis sativa* L. Standardized Extracts. 38^oNational Congress of Italian Pharmacology Society "Farmaci, Salute e Qualità della Vita" October 25-28, 2017 Rimini (Italy)
15. **Antonella Smeriglio**, Serena Bonasera, Maria Paola Germanò, Valeria D'Angelo, Maria Teresa Monforte, Clara Circosta and Enza Maria Galati. Betalains profile and evaluation of antioxidant and anti-angiogenic properties of sicilian *Opuntia ficus-indica* (L.) Mill. Fruits. VI Incontro SYRP: S.I.Fit. Young Researchers Project – November 20, 2017, Republic of San Marino.
16. **A. Smeriglio**, L. Cornara, M. Denaro, D. Barreca, B. Burlando, D. Trombetta. "Antioxidant and cytoprotective activity of an ancient mediterranean citrus fruit (*Citrus lumia* Risso) albedo extract: microscopic observations and polyphenolic characterization." XXVI National Congress of Phytotherapy, May 25-27, 2018, Fiuggi (Italy).
17. **Antonella Smeriglio**, Domenico Trombetta, Valeria D'Angelo, Maria Paola Germanò. Anti-melanogenic activity and toxicity profile of black carrot crude extract (*Daucus carota* L. ssp. *sativus* var. *Atrorubens* Alef.) In the zebrafish model. XXVI National Congress of Phytotherapy, May 25-27, 2018, Fiuggi (Italy).
18. **M. Bazzicalupo**, M. Denaro, A. Smeriglio, D. Trombetta, J. Calevo, A. Giovannini, L. Cornara. "Bioactive compounds of flowers from giant orchid (*Himantoglossum robertianum* Loisel.) P. Delforge, 1999 showing antioxidant properties." Annual meeting of the SBI working group. Cellular and molecular biology, biotechnology and differentiation. CREA; June 13-15, 2018, Sanremo (Italy).
19. **D. Trombetta**, A. Smeriglio, J. Frigerio, M. Labra, E. Di Gristina, M. Denaro, E. Mora, L. Cornara. The problem of misidentification between edible and poisonous wild plants: Reports from the Mediterranean area. 1st Workshop on "Forensic analytical chemistry" June 20, 2018, Catania (Italy).
20. **Antonella Smeriglio**, Serena Bonasera, Maria Paola Germanò, Valeria D'Angelo, Davide Barreca, Marcella Denaro, Domenico Trombetta. *Opuntia ficus-indica* (L.) Mill. fruit as source of betalains with antioxidant, cytoprotective and anti-angiogenic properties. PSE Congress: Natural Compounds in Cancer Prevention and Therapy, 3rd Edition: Trends in methods and modelling. September 4-7, 2018, Naples (Italy).
21. **Denaro M.**, Smeriglio A., Trombetta D. Pistachio hull extract as source of Ideain: absorption, transport and anti-inflammatory studies on Caco-2 transwell model. XXVII SILAE Congress of Ethnomedicine. September 9-13, 2018, Milazzo (Messina, Italy).

22. Germanò M.P., D'Angelo V., Raimondo F.M., Smeriglio A. Anti-angiogenic activity of *Alnus glutinosa* (L.) Gaertn. (Betulaceae). XXVII SILAE Congress of Ethnomedicine. September 9-13, 2018, Milazzo (Messina, Italy).
23. Domenico Trombetta, Susanna Alloisio, Francesco Maria Raimondo, Marcella Denaro, Laura Cornara, Antonella Smeriglio. Olio essenziale di *Citrus lumia* Risso: profilo fitochimico, proprietà antiossidanti e attività sul sistema nervoso centrale. V National Congress of Italian Society for Research on Essential Oils (SIROE), October 19-20, 2018, Teramo (Italy).
24. Antonella Smeriglio, Marcella Denaro, Luca Mastracci, Federica Grillo, Laura Cornara, Domenico Trombetta. Reconstructed human epidermis (RHE) model as a tool for the evaluation of tolerability and efficacy of a hydroxytyrosol-based formulation on atopic dermatitis. VIII SYRP: S.I.Fit. Young Researchers Project "Experimental models for the study of natural products". Imola, January 14, 2019.
25. Smeriglio A., Nobili N, Alisi A, Mosca A, Crudele A, Zaffina S, Denaro M, Trombetta D. Clinical evaluation of a new Hydroxytyrosol and Vitamin E-based nutraceutical formulation on pediatric NAFLD. Congresso monotematico SIF "Le basi farmacologiche dei nutraceutici". Naples March 29-30, 2019.
26. Antonella Smeriglio, Marcella Denaro, Valeria D'Angelo, Maria Paola Germanò, Domenico Trombetta. *Citrus lumia* Risso juice: polyphenol profile and evaluation of antioxidant and anti-angiogenic properties. XXVII National Congress of Phytotherapy. Reggio Emilia May 24-26, 2019.
27. Smeriglio A., Denaro M., De Francesco C., Trombetta D. A new nutraceutical formulation as promising agent against inflammatory bowel diseases: in vitro evaluation on Caco-2 transwell model. 39° Congresso Nazionale della Società Italiana di Farmacologia. Firenze 20-23 Novembre 2019.

COMUNICATIONS AS INVITED SPEAKER

1. Antonella Smeriglio. Essential oil of *Citrus lumia* Risso: phytochemical profile, antioxidant properties and activity on the central nervous system. 4th European Biopharma Congress & 6th International Conference and exhibition on Pharmacology and Ethnopharmacology. November 09-11, 2017 Vienna
2. Antonella Smeriglio. Phytochemical Composition and Biological Activities of Essential Oils from Two Cannabis sativa L. Biotypes. XXVII SILAE Congress of Ethnomedicine. September 9-13, 2018, Milazzo (Messina, Italy).
3. Antonella Smeriglio. Phytochemical profile and biological properties of Pistacia vera L. hull essential oil. 7th International Conference and Exhibition on Pharmacology and Ethnopharmacology. March 27-28, 2019 | Amsterdam, Netherlands.

PARTICIPATION TO CONGRESS AS CHAIRMAN

4th European Biopharma Congress & 6th International Conference and exhibition on Pharmacology and Ethnopharmacology. November 09-11, 2017 Vienna

POSTER

1. S. Dahamna, D. Bouamra, M. Marghem, S. Boussahel, K. Dehimi, A. Saija, M. Cristani, **A. Smeriglio**, D. Trombetta. Antioxidant properties of aqueous and organic extracts from leale of *Thymelaea Microphylla*. Alimed 2011–Mediterranean diet, May 22-25, 2011, Palermo (Italy).
2. S. Anwar, **A. Smeriglio**, E. Ricciardi, A. Speciale, A. Saija, F. Virgili, F. Cimino. Bilberry anthocyanins prevent hyperoxia-induced alterations in human endothelial cells via MAPK phosphorylation. 35° National Congress of Italian pharmacology society “Drug: from research to human health”, September 14-17, 2011, Bologna, (Italy).
3. R. Zena, **A. Smeriglio**, G. Dugo, A. Saija, D. Trombetta. Biomolecular effects of environmental pollution on globe artichoke (*Cynara cardunculus* var. *scolymus* L.) VIII International Symposium on Artichoke, Cardoon and their wild relatives-Viterbo, Italy on April 10 – 13, 2012, (Italy).
4. **Antonella Smeriglio**, Daniele Marcoccia, Laura Narciso, Stefano Lorenzetti, Domenico Trombetta, Safety and efficacy of herbal remedies in pregnancy: an update-“Primary prevention of congenital malformations”- November 5, 2012- Istituto Superiore di Sanità, Rome (Italy).
5. **Antonella Smeriglio**, Domenico Trombetta, Daniele Marcoccia, Antonio Tomaino, Laura Narciso, Stefano Lorenzetti, Intracellular distribution and biological effects of Vinclozolin and its metabolites in a sex steroid-sensitive model of human prostate adenocarcinoma, 36° National Congress of Italian Pharmacology Society “Il ruolo della ricerca farmacologica per la crescita e la salute in Italia” October 23-26, 2013, Turin (Italy).
6. **Antonella Smeriglio**, Domenico Trombetta, Antonio Tomaino, A meta-analysis of piperacillin/tazobactam and carbapenems in cancer patients with febrile neutropenia, 36° National Congress of Italian Pharmacology Society “Il ruolo della ricerca farmacologica per la crescita e la salute in Italia” October 23-26, 2013, Turin (Italy).
7. **V. Cascone**, G. Rizza, A. Smeriglio, A. Tomaino, Lack of bcg for the treatment of bladder cancer: pharmaco-economic and clinical impact, 19th Conference of the EAHP March 26-28 2014, Barcelona, Spain.
8. **A. Smeriglio**, E.M. Galati, M.T. Monforte, G. Favazzi, C. Circosta. Antioxidant properties of finola hemp (*Cannabis sativa* L.) Seed oil. XIV Congress of the Italian society of Phytochemistry, June 10-12, 2015, Padova (Italy).
9. **A. Smeriglio**, S. Giunta, D. Barreca, E. Bellocco, D. Trombetta. Polyphenolic content and biological properties of Avola almond (*Prunus dulcis* Mill. D.A. Webb) skin and its industrial byproducts. 37° National Congress of Italian pharmacology society “I nuovi orizzonti della ricerca farmacologica: tra etica e scienza”, October 27-30, 2015 – Naples (Italy).
10. **N. Ferlazzo**, G. Visalli, A. Smeriglio, S. Cirmi, G.E. Lombardo, A. Di Pietro, M. Navarra. Bergamot juice extract protects human lung epithelial cells from oxidative stress. 37° National Congress of Italian pharmacology society “I nuovi orizzonti della ricerca farmacologica: tra etica e scienza”, October 27-30, 2015 – Naples (Italy).
11. **Antonella Smeriglio**, Salvatore Ragusa, Maria Teresa Monforte, Valeria D'angelo and Clara Circosta. Phytochemical analysis and antioxidant properties of *euphorbia dendroides* L. Latex. 111° Congress of Italian Botanical Society - III International Plant Science Conference (IPSC), September 21-23, 2016 Rome (Italy).
12. **Smeriglio, Antonella**; Bisignano, Carlo; Mandalari, Giuseppina; Trombetta, Domenico; Musarra Pizzo, Maria; Pennisi, Rosamaria; Sciortino, Maria Teresa. Almond skin extracts exhibited antiviral activity against herpes simplex virus type

1. Vienna Polyphenols Congress 2017, XI World Congress on Polyphenols applications. June 20-21, 2017, Vienna (Austria).
13. **Antonella Smeriglio**, Salvatore Ragusa, Maria Teresa Monforte, Valeria D'Angelo and Clara Circosta. *Euphorbia dendroides* L. (Euphorbiaceae) latex: polyphenols characterization and evaluation of antioxidant and radical scavenging properties. 112° Congress of Italian Botanical Society - IV International Plant Science Conference (IPSC), September 20-23, 2017 Parma (Italy)
14. L. Cornara, A. Smeriglio, E. Di Gristina, J. Frigerio, M. Labra, D. Trombetta. The problem of misidentification between a wild edible plant and a poisonous one: the case of borage. 112° Congress of Italian Botanical Society - IV International Plant Science Conference (IPSC), September 20-23, 2017 Parma (Italy)
15. C. Bisignano, M. D'Arrigo, O. Romeo, A. Smeriglio, M. Denaro, D. Trombetta, G. Mandalari. "The essential oil from *Pistacia vera* L. variety bronte hull is active against clinical isolates of candida spp." 45° National Congress of Italian Society of Microbiology (SIM) September 27-30, 2017, Genoa (Italy).
16. Marcella Denaro, Antonella Smeriglio, Davide Barreca, Antonella Calderaro, Carlo Bisignano, Giovanna Ginestra, Ersilia Bellocco and Domenico Trombetta. In vitro evaluation of antioxidant, cytoprotective and antimicrobial properties of essential oil of *Pistacia vera* L. variety Bronte hull. 38° National Congress of Italian Pharmacology Society "Farmaci, Salute e Qualità della Vita" October 25-28, 2017 Rimini (Italy).
17. **Antonella Smeriglio**, Terri Grassby, Giuseppina Mandalari, Myriam M.-L. Grundy, Cathrina H. Edwards, Carlo Bisignano, Domenico Trombetta, , Simona Chessa, Shuvra Ray, Jeremy Sanderson, Sarah E. Berry, Peter R. Ellis, Keith W. Waldron. In vitro and in vivo modeling of lipid bioaccessibility and digestion from almond muffins: the importance of the cell-wall barrier mechanism. 38° National Congress of Italian Pharmacology Society "Farmaci, Salute e Qualità della Vita" October 25-28, 2017 Rimini (Italy).
18. Domenico Trombetta, Laura Di Renzo, **Antonella Smeriglio**, Sergio Bernardini, Giorgia Cioccoloni, Renata Miranda, Paola Gualtieri, Antonino De Lorenzo. Antioxidant effects of a hydroxytyrosol-based pharmaceutical formulation on body composition, metabolic state, and gene expression: a randomized double-blinded, placebo-controlled crossover trial. 38° National Congress of Italian Pharmacology Society "Farmaci, Salute e Qualità della Vita" October 25-28, 2017 Rimini (Italy).
19. A. Smeriglio, M. Denaro, D. Milea, C. De Stefano, D. Trombetta. Simultaneous detection of chlorpyrifos and permethrin in post-mortem human plasma by GC-MS analysis. Forensic investigations and the contribution of mass spectrometry congress, March 23, Rome (Italy).
20. **A. Smeriglio**, D. Trombetta, M. Denaro, C. Giovino, A. Mosca, A. Alisi, A. Crudele, V. Nobili. Hydroxytyrosol-based formulation on children with non-alcoholic fatty liver disease: a randomized double-blinded, placebo-controlled trial. Conference on Nutraceutical, Nutrition and Health. Focus On Health In Pregnancy, May 11-12, 2018, Messina (Italy).
21. M. Denaro, D. Barreca, A. Smeriglio, D. Trombetta. Pistachio (*Pistacia vera* L.) hull as nutraceutical source of Cyanidin-3-O-galactoside. Conference on Nutraceutical, Nutrition and Health. Focus On Health In Pregnancy, May 11-12, 2018, Messina (Italy).
22. Marcella Denaro, Antonella Smeriglio, Domenico Trombetta, Gianpaolo Grassi and Clara Circosta. Phytochemical analysis and antioxidant properties of *Cannabis sativa* L. essential oil from a chinese accession. 113° Congress of

Italian Botanical Society - V International Plant Science Conference (IPSC), September 12-14, 2018 Fisciano (Salerno, Italy).

23. Salvatore Ragusa, **Antonella Smeriglio**, Marcella Denaro, Valeria D'Angelo, Domenico Trombetta and Clara Circosta. Phytochemical screening and antioxidant activity of *Euphorbia dendroides* L. Leaves extract. 113° Congress of Italian Botanical Society - V International Plant Science Conference (IPSC), September 12-14, 2018 Fisciano (Salerno, Italy).
24. **Antonella Smeriglio**, Valeria D'Angelo, Marcella Denaro, Domenico Trombetta, Francesco Maria Raimondo, Maria Paola Germanò. *Alnus glutinosa* (L.) Gaertn. and *Alnus cordata* (Loisel) Duby as new sources of safe cosmetic and pharmacological anti-melanogenic agents. 113° Congress of Italian Botanical Society - V International Plant Science Conference (IPSC), September 12-14, 2018 Fisciano (Salerno, Italy).
25. Miriam Bazzicalupo, Marcella Denaro, **Antonella Smeriglio**, Domenico Trombetta, Jacopo Calevo, Annalisa Giovannini, Cornara Laura. Antioxidant activities of extracts from various portions of giant orchid, *Himantoglossum robertianum* (Loisel.) P. Delforge. 113° Congress of Italian Botanical Society - V International Plant Science Conference (IPSC), September 12-14, 2018 Fisciano (Salerno, Italy).
26. Denaro M, **Smeriglio A**, Trombetta D. Pros and cons of pure molecules and plant extracts in nutraceutical field: the ideain vs pistachio hull extract case. Convegno monotematico SIF: Le basi farmacologiche dei nutraceutici. Napoli 29-30 Marzo 2019.
27. Claudia Muscarà, **Antonella Smeriglio**, Domenico Trombetta, Giuseppina Mandalari, Erminia La Camera, Clara Circosta. Phytochemical composition and biological activity of two extracts from a chinese accession of *Cannabis sativa* L. XXVII National Congress of Phytotherapy. Reggio Emilia May 24-26, 2019.
28. **Antonella Smeriglio**, Valeria D'Angelo, Marcella Denaro, Domenico Trombetta, Maria Paola Germanò. The hull of ripe pistachio nuts (*Pistacia vera* L.) As a source of new promising tyrosinase inhibitors. 114° Congresso della Società Botanica Italiana. Vi International Plant Science Conference (IPSC). Padova, 4-7 September 2019.
29. Marcella Denaro, **Antonella Smeriglio**, Clara De Francesco, Laura Cornara, Davide Barreca, Ersilia Bellocco, Giovanna Ginestra, Giuseppina Mandalari, Domenico Trombetta. Micromorphological features of feijoa fruit and evaluation of phytochemical profile and biological properties of its essential oil. 114° Congresso della Società Botanica Italiana. Vi International Plant Science Conference (IPSC). Padova, 4-7 September 2019.
30. Claudia Muscarà, **Antonella Smeriglio**, Domenico Trombetta, Giuseppina Mandalari, Erminia La Camera, Gianpaolo Grassi and Clara Circosta. Phytochemical and biological characterization of a *Cannabis sativa* L. Variety with high cannabidiol content. 114° Congresso della Società Botanica Italiana. Vi International Plant Science Conference (IPSC). Padova, 4-7 September 2019.
28. De Francesco C., **Smeriglio A.**, Denaro M., Trombetta D. Comparison between the biological activity of betalain cactus pear (*Opuntia ficus indica* Mill.) extracts and the main isolated bioactive compound. 39° Congresso Nazionale della Società Italiana di Farmacologia. Firenze 20-23 Novembre 2019.
29. Denaro M., **Smeriglio A.**, De Francesco C., Trombetta D. Contribution of polyphenols and ascorbic acid to the antioxidant and anti-inflammatory activity of Citrus lumia Risso juice. 39° Congresso Nazionale della Società Italiana di Farmacologia. Firenze 20-23 Novembre 2019.

30. Muscarà C., **Smeriglio A.**, Trombetta D., Mandalari G., La Camera E., Grassi G., Circosta C. Phytochemical Composition and Biological Activities of Two Cannabis sativa L. Biotypes Extracts. 39° Congresso Nazionale della Società Italiana di Farmacologia. Firenze 20-23 Novembre 2019.

ANNEX II- PUBLICATIONS AND PATENTS

Publications on National Institute of Health (ISS) Journal

1. Stefano Lorenzetti, Pamela Bulzomi, Francesca Del Sole, Maria Maddalena Marconi, Laura Narciso, **Antonella Smeriglio**, Roberto Zena, Domenico Trombetta; La valutazione rischio-beneficio di polifenoli e fitocomplessi, ISTISAN 12/50 report
2. **Antonella Smeriglio**, Daniele Marcoccia, Laura Narciso, Stefano Lorenzetti, Domenico Trombetta; Sicurezza ed efficacia dei rimedi erboristici in gravidanza, ISTISAN 13/28 report.
3. Daniele Marcoccia, Laura Narciso, **Antonella Smeriglio**, Domenico Trombetta, Stefano Lorenzetti; La Sindrome della Disgenesia Testicolare: un saggio prostata-mediato per individuare sostanze chimiche che potrebbero alterare lo sviluppo riproduttivo maschile, ISTISAN 13/28 report.

Publications on International Peer-Reviewed Journal

1. Anil Kumar Saikia, Dipak Chetia, Manuela D'Arrigo, **Antonella Smeriglio**, Tonia Strano, Giuseppe Ruberto, Screening of Fruit and Leaf Essential Oils of *Litsea cubeba* Pers. from North-East India – Chemical Composition and Antimicrobial Activity, **Journal of Essential Oil Research**, 2013, 25(4):330-338. **IF 1.007**
2. **Antonella Smeriglio**, Antonio Tomaino and Domenico Trombetta; Herbal products in pregnancy: experimental studies and clinical reports. **Phytotherapy Research**, 2014, 28(8):1107-1116. **IF 3.349**
3. **Antonella Smeriglio**, Domenico Trombetta, Daniele Marcoccia, Laura Narciso, Alberto Mantovani, Stefano Lorenzetti; Intracellular distribution and biological effects of plant bioactives in a sex steroid-sensitive model of human prostate adenocarcinoma. **Anticancer Agents Med Chem.** 2014;14(10):1386-96. **IF 2.556**
4. **Antonella Smeriglio**, Domenico Monteleone and Domenico Trombetta; Health Effects of *Vaccinium myrtillus* L.: Evaluation of Efficacy and Technological Strategies for Preservation of Active Ingredients. **Mini-Reviews in Medicinal Chemistry**, 2014;14(7):567-84. **IF 2.645**
5. Nadia Ferlazzo, Giuseppa Visalli, **Antonella Smeriglio**, Santa Cirmi, Giovanni Enrico Lombardo, Pietro Campiglia, Angela Di Pietro, Michele Navarra; Flavonoid Fraction of Orange and Bergamot Juices Protect Human Lung Epithelial Cells from Hydrogen Peroxide-Induced Oxidative Stress. **Evid Based Complement Alternat Med.** 2015;2015:957031. **IF 2.064**
6. Davide Barreca, Giuseppina Laganà, Ugo Leuzzi, **Antonella Smeriglio**, Domenico Trombetta, Ersilia Bellocco; Evaluation of the nutraceutical, antioxidant and cytoprotective properties of ripe pistachio (*Pistachia vera* L. variety Bronte) hulls. **Food Chemistry** 196 (2016) 493–502. **IF 4.946**
7. **Antonella Smeriglio**, Giuseppina Mandalari, Carlo Bisignano, Angela Filocamo, Davide Barreca, Ersilia Bellocco, Domenico Trombetta. Polyphenolic content and biological properties of Avola almond (*Prunus dulcis* Mill. D.A. Webb) skin and its industrial by products. **Industrial Crops and Products** Volume 83, May 2016, Pages 283–293. **IF 3.849**
8. **Antonella Smeriglio**, Enza M. Galati, Maria T. Monforte, Francesco Lanuzza, Valeria D'Angelo and Clara Circosta. Polyphenolic Compounds and Antioxidant Activity of Cold-Pressed Seed Oil from Finola Cultivar of *Cannabis sativa* L. **Phytother Res.** 2016 Aug;30(8):1298-307. **IF 3.349**
9. **Antonella Smeriglio**, Davide Barreca, Ersilia Bellocco, Domenico Trombetta. Chemistry, pharmacology and health benefits of Anthocyanins - **Phytother Res.** 2016 Aug;30(8):1265-86. **IF 3.349**

10. Mandalari G, Vardakou M, Faulks R, Bisignano C, Martorana M, **Smeriglio A**, Trombetta D. Food Matrix Effects of Polyphenol Bioaccessibility from Almond Skin during Simulated Human Digestion. **Nutrients**. 2016 Sep 15;8(9). pii: E568. **IF 4.196**
11. **Smeriglio A**, Barreca D, Bellocco E, Trombetta D. Proanthocyanidins and hydrolysable tannins: occurrence, dietary intake and pharmacological effects. **Br J Pharmacol**. 2016, 174(11):1244-1262. **IF 6.81**
12. Bellocco, E., Barreca, D., Laganà, G., Calderaro, A., El Lekhlifi, Z., Chebaibi, S., **Smeriglio, A.**, Trombetta, D. Cyanidin-3-O-galactoside in ripe pistachio (*Pistachia vera* L. variety Bronte) hulls: Identification and evaluation of its antioxidant and cytoprotective activities. **Journal of Functional Foods**. 2016, 27:376-385. **IF 3.470**
13. Trombetta D, **Smeriglio A**, Marcoccia D, Giofrè SV, Toscano G, Mazzotti F, Giovanazzi A, Lorenzetti S. Analytical Evaluation and Antioxidant Properties of Some Secondary Metabolites in Northern Italian Mono- and Multi-Varietal Extra Virgin Olive Oils (EVOOs) from Early and Late Harvested Olives. **Int J Mol Sci**. 2017, 18(4): pii: E797. **IF 3.687**
14. Barreca D, Gattuso G, Bellocco E, Calderaro A, Trombetta D, **Smeriglio A**, Laganà G, Daglia M, Meneghini S, Nabavi SM. Flavanones: Citrus phytochemical with health-promoting properties. **Biofactors**. 2017, 43(4):495-506. **IF 3.038**
15. **Antonella Smeriglio**, Marcella Denaro, Davide Barreca, Antonella Calderaro, Carlo Bisignano, Giovanna Ginestra, Ersilia Bellocco and Domenico Trombetta. In Vitro Evaluation of the Antioxidant, Cytoprotective, and Antimicrobial Properties of Essential Oil from *Pistacia vera* L. Variety Bronte Hull. **Int. J. Mol. Sci**. 2017, 18(6):1212; doi:10.3390/ijms18061212. **IF 3.687**
16. Colica C., Di Renzo L., Trombetta D., **Smeriglio A.**, Bernardini S., Cioccoloni G., Costa de Miranda R., Gualtieri P., Sinibaldi Salimei P., De Lorenzo A. Antioxidant Effects of a Hydroxytyrosol-Based Pharmaceutical Formulation on Body Composition, Metabolic State, and Gene Expression: A Randomized Double-Blinded, Placebo-Controlled Crossover Trial. **Oxid Med Cell Longev**. 2017;2017: 2473495. doi: 10.1155/2017/2473495. **IF 4.936**
17. **Smeriglio A.**, Denaro M., Trombetta D. Dietary Phytochemicals and Endocrine-related Activities: an update. **Mini Rev Med Chem**. 2018;18(16):1382-1397. **IF 2.645**
18. Bisignano C., Mandalari G., **Smeriglio A.**, Trombetta D., Pizzo MM, Pennisi R., Sciortino MT. Almond Skin Extracts Abrogate HSV-1 Replication by Blocking Virus Binding to the Cell. **Viruses**. 2017 Jul 10;9(7). pii: E178. **IF 3.761**
19. **Smeriglio A**, Calderaro A, Denaro M, Laganà G, Bellocco E. Effects of isolated isoflavones intake on health. **Curr Med Chem**. 2017 Oct 6. doi: 10.2174/0929867324666171006143047. [Epub ahead of print] **IF 3.469**
20. Grassby T, Mandalari G, Grundy MM, Edwards CH, Bisignano C, Trombetta D, Smeriglio A, Chessa S, Ray S, Sanderson J, Berry SE, Ellis PR, Waldron KW. In vitro and in vivo modeling of lipid bioaccessibility and digestion from almond muffins: The importance of the cell-wall barrier mechanism. **J Funct Foods**. 2017, 37: 263-271. **IF 3.470**
21. **Smeriglio A**, Denaro M, Barreca D, D'Angelo V, Germanò MP, Trombetta D. Polyphenolic profile and biological activities of black carrot crude extract (*Daucus carota* L. ssp. sativus var. atropurpureus Alef.). **Fitoterapia**. 2018, 124:49-57. **IF 2.642**
22. **Smeriglio A**, Alloisio S, Raimondo FM, Denaro M, Xiao J, Cornara L, Trombetta D. Essential oil of Citrus lumia Risso: Phytochemical profile, antioxidant properties and activity on the central nervous system. **Food Chem Toxicol**. 2018, 119:407-416. **IF 3.977**
23. **Smeriglio A**, Giofrè SV, Galati EM, Monforte MT, Cicero N, D'Angelo V, Grassi G, Circosta C. Inhibition of aldose reductase activity by Cannabis sativa chemotypes extracts with high content of cannabidiol or cannabigerol. **Fitoterapia**. 2018, 127:101-108. **IF 2.642**
24. Occhiuto, C., Trombetta, D., **Smeriglio, A.**, Sturlese, E., Occhiuto, F. Effects of beta-sitosterol on isolated human non-pregnant uterus in comparison to prostaglandin E2. *Pharmacognosy Magazine* 14(55), pp. S118-S122.

25. Mandalari G, Parker ML, Grundy MM, Grassby T, **Smeriglio A**, Bisignano C, Raciti R, Trombetta D, Baer DJ, Wilde PJ. Understanding the Effect of Particle Size and Processing on Almond Lipid Bioaccessibility through Microstructural Analysis: From Mastication to Faecal Collection. **Nutrients**. 2018, 10(2). pii: E213. doi: 10.3390/nu10020213. **IF 4.196**
26. Monforte MT, **Smeriglio A**, Germanò MP, Pergolizzi S, Circosta C, Galati EM. Evaluation of antioxidant, antiinflammatory, and gastroprotective properties of *Rubus fruticosus* L. fruit juice. **Phytother Res**. 2018, 32(7):1404-1414. **IF 3.349**
27. Cornara L, **Smeriglio A**, Frigerio J, Labra M, Di Gristina E, Denaro M, Mora E, Trombetta D. The problem of misidentification between edible and poisonous wild plants: Reports from the Mediterranean area. **Food Chem Toxicol**. 2018, 119:112-121. **IF 3.977**
28. La Camera E, Bisignano C, Crisafi G, **Smeriglio A**, Denaro M, Trombetta D, Mandalari G. Biochemical Characterization of Clinical Strains of *Staphylococcus* spp. and Their Sensitivity to Polyphenols-Rich Extracts from Pistachio (*Pistacia vera* L.). **Pathogens**. 2018, 7(4). pii: E82. doi: 10.3390/pathogens7040082. **IF 3.52**
29. **A. Smeriglio**, S. Ragusa, M. T. Monforte, V. D'angelo, C. Circosta. Phytochemical analysis and evaluation of antioxidant and anti-acetylcholinesterase activities of *Euphorbia dendroides* L. (Euphorbiaceae) latex. **Plant Biosystems**. <https://doi.org/10.1080/11263504.2018.1498405> **IF 1.203**
30. **Antonella Smeriglio**, Laura Cornara, Marcella Denaro, Davide Barreca, Bruno Burlando, Jianbo Xiao, Domenico Trombetta. Antioxidant and cytoprotective activities of an ancient Mediterranean citrus (*Citrus lumia* Risso) albedo extract: microscopic observations and polyphenol characterization. **Food chemistry**. 279 (2019) 347-355. **IF 4.946**
31. Valerio Nobili, Anna Alisi, Antonella Mosca, Annalisa Crudele, Salvatore Zaffina, Marcella Denaro, **Antonella Smeriglio**, Domenico Trombetta. The antioxidant effects of Hydroxytyrosol and Vitamin E on pediatric NAFLD, in a clinical trial: a new treatment? Antioxidants & Redox Signaling. Antioxid Redox Signal. 2018 Dec 27. doi: 10.1089/ars.2018.7704. [Epub ahead of print] **IF 6.530**
32. Manuela D'Arrigo; Carlo Bisignano; Pierangela Irrera; **Antonella Smeriglio**; Roberto Zagami; Domenico Trombetta; Orazio Romeo; Giuseppina Mandalari. In vitro evaluation of the activity of an essential oil from *Pistacia vera* L. variety Bronte hull against *Candida* sp. **BMC Complementary and Alternative Medicine**. 2019 Jan 7; 19(1):6. **IF 2.109**
33. **Smeriglio A**, Bonasera S, Germanò MP, D'Angelo V, Barreca D, Denaro M, Monforte MT, Galati EM, Trombetta D. *Opuntia ficus-indica* (L.) Mill. fruit as source of betalains with antioxidant, cytoprotective, and anti-angiogenic properties. **Phytother Res**. 2019 Mar 24. doi: 10.1002/ptr.6345. [Epub ahead of print] **IF 3.349**
34. Bisignano C, Ginestra G, **Smeriglio A**, La Camera E, Crisafi G, Franchina FA, Tranchida PQ, Alibrandi A, Trombetta D, Mondello L, Mandalari G. Study of the Lipid Profile of ATCC and Clinical Strains of *Staphylococcus aureus* in Relation to Their Antibiotic Resistance. **Molecules**. 2019 Apr 2;24(7). pii: E1276. **IF 3.098**
35. Mandalari G, Bisignano C, **Smeriglio A**, Denaro M, Musarra-Pizzo M, Pennisi R, Mancuso F, Ferro S, Trombetta D, Monforte AM, Sciortino MT, De Luca L. Simulated human digestion of N1-aryl-2-arylthioacetamidobenzimidazoles and their activity against Herpes-simplex virus 1 in vitro. **PLoS One**. 2019 May 2;14(5):e0216384. **IF 2.766**
36. **Antonella Smeriglio**, Marcella Denaro, Luca Mastracci, Federica Grillo, Laura Cornara, Samira Shirooie, Seyed Mohammad Nabavi, Domenico Trombetta. Safety and efficacy of hydroxytyrosol-based formulation on skin inflammation: in vitro evaluation on reconstructed human epidermis model. **Daru**. 2019;27(1):283-293. **IF 2.667**
37. **Smeriglio A**, D'Angelo V, Denaro M, Trombetta D, Raimondo FM, Germanò MP. Polyphenol Characterization, Antioxidant and Skin Whitening Properties of *Alnus cordata* Stem Bark. **Chem Biodivers**. 2019 Sep;16(9):e1900314. doi: 10.1002/cbdv.201900314. Epub 2019 Aug 28. **IF 1.449**
38. **Smeriglio A**, Trombetta D, Cornara L, Valussi M, De Feo V, Caputo L. Characterization and Phytotoxicity Assessment of Essential Oils from Plant Byproducts. **Molecules**. 2019 Aug 14;24(16). pii: E2941. **IF 3.060**

39. **Smeriglio A**, Denaro M, De Francesco C, Cornara L, Barreca D, Bellocco E, Ginestra G, Mandalari G, Trombetta D. Feijoa Fruit Peel: Micro-morphological Features, Evaluation of Phytochemical Profile, and Biological Properties of Its Essential Oil. *Antioxidants (Basel)*. 2019 Aug 19;8(8). pii: E320. **IF 4.520**
40. **Smeriglio A**, Toscano G, Denaro M, De Francesco C, Agozzino S, Trombetta D. Nitrogen Headspace Improves the Extra Virgin Olive Oil Shelf-Life, Preserving Its Functional Properties. *Antioxidants (Basel)*. 2019 Aug 22;8(9). pii: E331. **IF 4.520**
41. Bahare S., Sharifi-Rad J., Quispe C., Llaique H., Villalobos M., **Smeriglio A.**, Trombetta D., Ezzat S.M., Salem M.A., Zayed A., Salgado Castillo C.M., Yazdi S.E., Sen S., Acharya K., Sharopov F., Martins N. Insights into Eucalyptus genus chemical constituents, biological activities and health-promoting effects. *Trends in Food Science and Technology*. 2019; 91: 609-624. **IF 8.519**
42. Musarra-Pizzo M, Ginestra G, **Smeriglio A**, Pennisi R, Sciortino MT, Mandalari G. The Antimicrobial and Antiviral Activity of Polyphenols from Almond (*Prunus dulcis* L.) Skin. *Nutrients*. 2019;11(10). pii: E2355. **IF 4.171**
43. Bazzicalupo M, Burlando B, Denaro M, Barreca D, Trombetta D, **Smeriglio A**, Cornara L. Polyphenol Characterization and Skin-Preserving Properties of Hydroalcoholic Flower Extract from *Himantoglossum robertianum* (Orchidaceae). *Plants (Basel)*. 2019 Nov 14;8(11). pii: E502. doi: 10.3390/plants8110502. **IF 2.632**
44. Majnooni MB, Fakhri S, **Smeriglio A**, Trombetta D, Croley CR, Bhattacharyya P, Sobarzo-Sánchez E, Farzaei MH, Bishayee A. Antiangiogenic Effects of Coumarins against Cancer: From Chemistry to Medicine. *Molecules*. 2019 Nov 24;24(23). pii: E4278. **IF 3.060**
45. Denaro M, **Smeriglio A**, Barreca D, De Francesco C, Occhiuto C, Milano G, Trombetta D. Antiviral activity of plants and their isolated bioactive compounds: An update. *Phytother Res*. 2019 Dec 19. doi: 10.1002/ptr.6575. [Epub ahead of print] **IF 3.766**

BOOK CHAPTERS

1. **Smeriglio A.**, Barreca D., Laganà G., Bellocco E. and Trombetta D. Chapter 3.6: Bilberry (*Vaccinium myrtillus* L.). In **Nonvitamin and Nonmineral Nutritional Supplements**. Eds. Nabavi SM and Silva AS. Elsevier. Academic Press. 2018: 159-164.
2. **Smeriglio, A.**, Cornara, L., Trombetta, D. Chapter: Antioxidants in diets and food. In **Handbook of Dietary Phytochemicals**. Eds. Xiao J., Sarker S. and Asakawa Y. Springer Nature Singapore Pte Ltd. 2019. <https://doi.org/10.1007/978-981-13-1745-3>
3. Antonella Calderaro, Davide Barreca, Ersilia Bellocco, **Antonella Smeriglio**, Domenico Trombetta, and Giuseppina Laganà. Chapter 8: Colored phytonutrients: Role and applications in the functional foods of anthocyanins. In **Phytonutrients in foods from traditional to rational usage**. Eds. Nabavi SM, Suntar I, Barreca D and Khan H. Elsevier. Academic Press. 2020: 177-195.

PATENTS

1. National Patent for utility model N°202017000075448, "Capsula alimentare/farmaceutica gastroresistente per il contenimento e la somministrazione di idrossitiroso". January 26, 2018
2. National patent for industrial invention N°102016000007757, "Capsula alimentare/farmaceutica gastroresistente per il contenimento e la somministrazione di idrossitiroso". July 13, 2018