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Decreto Rettore Università di Roma “La Sapienza” n. 2689/2023 del 18.10.2023

LUCA SANTI
Curriculum Vitae

Place: Rome
Date: 10/12/2023

Part I – General Information

Full Name	LUCA SANTI
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Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1997	University of Genoa, Italy	Biology Degree at the Faculty of Mathematical, Physical and Natural Science. Graduation grade 110 cum laudae, experimental thesis title: “Effects of glucocorticoids on the activity of the Poly ADP-ribose polymerase (PARP) in rat liver and kidneys”.
PhD	2002	University of Cologne at the Max Planck Institute for Plant Breeding Research in Cologne, Germany	PhD grade, Sehr Gut (Very Good); thesis title: “Intron mediated regulation of BKn3, a plant homeobox gene, as supported by BBR (GAGA) binding factor”.
Graduate level course	2004	Law School of Arizona State University, Tempe, USA	Patents and Intellectual Properties in Life Science and Biotechnology

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
07/2002	11/2002	Max Planck Institute for Plant Breeding Research. Cologne, Germany	Postdoc
01/12/2002	06/01/2005	Postdoc position at Department of Infectious Disease and Vaccinology of the Biodesign Institute, Arizona State University, Tempe, USA	Postdoc
02/2003	08/2003	Icon Genetics GmbH, Halle, Germany	Visiting Scientist
01/2005	06/2006	Department of Infectious Disease and Vaccinology of the Biodesign Institute at Arizona State University, Tempe, USA	Assistant Professor
07/2006	06/2010	Department of Biology, University Rome Tor Vergata, Rome, Italy.	Contract Associate Professor (Italian Brain Drain Law, Legge Rientro dei Cervelli)
07/2010	04/2011	Department of Environment and Forests (DAF), University of Tuscia, Viterbo, Italy	Contract Researcher
05/2011	Present	Department of Agriculture and Forest Sciences (DAFNE), University of Tuscia, Viterbo, Italy	Associate Professor SSD BIO15

IIIB – Other Appointments

Start	End	Institution	Position
11/2018	Present	University of Tuscia	Member of the committee for the University Library Centre
06/2021	Present	University of Tuscia	Vice Director of the committee for the University Library Centre
04/2022	Present	University of Tuscia	Department delegate for inclusion and equity
06/2022	12/2022	Sintalica Bioscience Corp	Scientific consultant for ideation and establishment of a research and development program on pharmaceutical applications of psilocibin and other triptamin derivatives from <i>Psilocybe</i> mushrooms
11/2020	Present	University of Tuscia	Delegate for internalization for Plant Biotechnology Master's degree course

2020	2023	University of Tuscia	Scientific coordinator for Erasmus+ KA 107 international credit mobility with The Royal University of Buthan, college of Natural Resources, Buthan
2020	2023	University of Tuscia	Scientific coordinator for Erasmus+ KA 107 international credit mobility with Prince of Sogkhla University, Thailand

Part IV – Teaching experience

Year	Institution	Lecture/Course
2013-2023	University of Tuscia	Botany/ Bachelor's degree: Agriculture and Environmental Sciences - 8 CFU
2012-2023	University of Tuscia	Plant Biotechnology and Pharmaceutical Products/ Master's degree: Biotechnology for the Security and Quality of Agricultural Productions - 6 CFU
2023	Prince of Songkhla University - Songkhla, Thailand	Plant Biotech - 1 CFU
2019	Kathmandu University (KU) - Dhulikhel, Nepal	Botany and Plant Biotech - 1 CFU
2019	Agriculture and Forestry University (AFU) - Rampur, Nepal	Botany and Plant Biotech - 2 CFU
2012	University of Tuscia	Forest Biotechnology/ Master's degree: Conservation and Restoration of Forest Environment and Soil Defense - 6 CFU
2011	University of Tuscia	Organic Chemistry and Elements of General Chemistry/ Bachelor's degree: Science and Technology for the conservation of Forests and Nature - 8 CFU
2006-2009	University of Rome Tor Vergata	Plant Virology and Applications/ Bachelor's degree in Biotechnology - 6 CFU
2006-2009	University of Rome Tor Vergata	Production of Biopharmaceuticals in Plant/ Bachelor's degree in Biotechnology- 6 CFU
2006	University of Rome Tor Vergata	Biopharmaceuticals/ International Master of II Level. European School for Scientific and Regulatory Assessment of New Medicine - 1 CFU
2005	Arizona State University	Plant Biotechnology/Biomedicine and Biotechnology graduate program, School of Life Science – 18 h

Part V - Member of teaching committees of PhD schools

Years	Institution	PhD school
2012-2023	University of Tuscia	Animal and Plant Production Sciences
2011-2012	University of Tuscia	Science and Technology for Forestry and Environmental Management
2009-2010	University of Rome Campus Bio-Medico	Biochemical Science and Technologies Applied to Food and Nutrition
2006-2008	University of Rome Tor Vergata	Cellular and Molecular Biology

Part VI - Society memberships, Awards and Honors

Year	Title
2022	Teaching award at the University of Tuscia for the Botany course as the most appreciated course of the University among technical-scientific subjects
2018 - Present	Member of the Italian Botanical Society (SBI)

Part VII - Funding Information

VIIA - grants as PI-principal investigator or I-investigator

Year	Title	Program	Grant value
2006	Development of a plant derived vaccine against Hepatitis C virus	PI - MIUR, Italian Brain Drain Law (Legge "rientro dei cervelli") D.M. 1 February 2005, n. 18.	300.000,00
2007	Plant and Virus- Derived Vaccine Vectors to Leishmaniasis and Toxoplasmosis"	Research Unit PI Ministry of Health, Ricerca Finalizzata, Progetto Ordinario	50.000,00
2012	New perspectives in the development of substances with Leishmanicide activity. Development of antimicrobial peptides with leishmanicide activity exposed on the external surface of plant viral nanoparticles	Ministry of Health, Italy, Current Research, IZSLT 07/12 RC	20.000,00
2017	Enhancement of Italian products deriving from OLIVE through Innovative analytical techniques – (VIOLIN)	Research Unit PI – Ager, Network Foundation for Agri-food Research	1.008.000,00
2023	Advanced analytical characterization and synergic	Research Unit PI – MUR - PRIN 2022	247.323,00

	evaluation of volatile terpenes of selected β -caryophyllene containing spices for diabetes treatment		
2023	Sumac nutraceutical Potential through Innovative and Comprehensive Investigation (SPICE)	Research Unit PI – MUR - PRIN 2022 PNRR	200.000,00

VIIB - grants as member of Research Unit (RU)

Year	Title	Program
2004	Plant-made Microbicides and Mucosal Vaccines for sexually transmitted diseases.	National Institute of Health, USA. 1-U19-AI-62150-01. Research Unit member
2004	Plant Production of Vaccines and Antibodies for Protection Against Biowarfare Agents	Department of Defense, USA. DAMD 17-02-2-0015. Research Unit member
2007	Plant Biofactories for the production of vaccines against Dengue Virus	Directorate General for Cultural Promotion and Cooperation - Prot. 269/P0152102 del 20-04-2007. Research Unit member
2017	Targeting Hedgehog pathway: Virtual screening identification and sustainable synthesis of novel Smo and Gli inhibitors and their pharmacological drug delivery strategies for improved therapeutic effects in tumors	MUR. PRIN (20175XBSX4). Research Unit member
2018	Plant virus nanoparticles for blood-brain barrier crossing and medulloblastoma targeting (NANOCROSS)	Associazione Italiana per la Ricerca sul Cancro (AIRC). External project partner

Part VIII – Research Activities

Keywords	Brief Description
Spices	Phenolic compounds and terpenes from selected spices in type-2 diabetes control and prevention The International Diabetes Federation recently estimated that 415 million adults worldwide suffer from diabetes mellitus (DM), a number that is expected to increase to 600 million by 2040. Spices are traditionally used mainly as flavoring agents, however their richness in phytochemicals and the possibility of a daily intake opens the possibility for their nutraceutical employment. Scientific investigation of spice-derived specialized metabolites holds a great potential to isolate novel anti-diabetic
Phenolic compounds	
Terpenes	
Type-2 diabetes	

prophylactic and therapeutic agents. In this context a multitarget approach for biological evaluation coupled with a precise phytochemical analysis is employed to perform a correlation analysis of extracts deriving from *Rhus coriaria* (sumac), *Origanum vulgare* (oregano), *Piper nigrum* (black pepper), *Rosmarinus officinalis* (rosemary), *Cinnamomum verum* (cinnamon) and *Curcuma longa* (turmeric). Specialized metabolites belonging to the terpenes and phenolic compounds families are characterized by comprehensive analytic technologies and are tested for biological activity using acellular assays for the evaluation of enzymatic and AGE inhibition and cellular assays on liver and adipocytic cell line for glucose uptake, insulin stimulation, GLUT expression and PPAR γ modulation.

Keywords

Olive oil waist products
Phenolic compounds
Antimicrobial
New packaging materials

Brief Description

Valorisation of olive oil production waste products

The olive (*Olea europaea*) oil industry is characterized by relevant amounts of by-products. Adequate, environmentally and economically sustainable disposal solutions are required in accordance with internationally agreed waste management strategies. Phenolic compounds possess important biological activities and potential antibacterial, antifungal and antiviral activities have been reported. With the aim of valorising the olive oil production waste products (OOPWP), polyphenols-rich-extracts obtained from olive by-products with an eco-friendly procedure are tested for their antimicrobial activity, evaluating the correlation of the polyphenolic composition and antimicrobial properties. Extracts enriched especially in hydroxytyrosol are assayed for antimicrobial activity against Gram-positive (*Bacillus megaterium*, *Bacillus clausii* and *Rhodococcus fascians*), Gram-negative (*Pseudomonas savastanoi* pv. *savastanoi*, *Agrobacterium tumefaciens* and *Escherichia coli*) bacteria and fungi (*Fusarium graminearum*, *Septoria tritici*, *Bipolaris sorokiniana*, *Verticillium dhaliae*, *Fusarium culmorum* and *Botrytis cinerea*). Moreover, these enriched extracts are incorporated into Polyvinyl alcohol derived films to generate new functional packaging materials that could extend products shelf life.

Keywords

<i>Psilocybe</i> mushrooms
Psilocybin
Tryptamines
Neuroinflammation

Brief Description

Tryptamines from *Psilocybe* mushrooms for neuroinflammatory diseases treatment

Recent studies have demonstrated the therapeutic potential of psilocybin, the prodrug of the psychoactive molecule psilocin, for the treatment of smoking and alcohol dependence, depression, obsessive-compulsive disorder, and post-traumatic stress disorder. These triptamines along with others such as baeocystin, norbaeocystin, aeruginascin and norpsilocin are contained in different fungal species belonging to the genus *Psilocybe*. In order to test those triptamins alone or in combination for anti-neuroinflammatory activity different varieties of *Psilocybe cubensis* are grown indoor under controlled conditions starting from spores, fruiting bodies are collected and triptamines are purified by preparative HPLC. Stability is tested on the different preparations alone or together with natural antioxidants (carotenoids). Different *in vivo* biological models are employed to test for activity such as the rat paw edema system (this project

has my involvement as private consultant for Sintalica corp. more cannot be disclosed to avoid confidentiality infringement)

Keywords

Plant virus nanoparticles
Delivery systems
Solid tumors

Brief Description

Plant virus derived nanoparticles as targetting and delivery systems

Tomato bushy stunt virus (TBSV) has been extensively characterized in view of its possible use in the pharmaceutical field. TBSV has an icosahedral capsid of ~30 nm in diameter made of 180 capsid protein (CP) subunits, with the capability to encapsulate in its internal cavity and display on its surface small molecules and polypeptides respectively. TBSV is neither toxic nor teratogenic and do not induce major alterations in tissues architecture. The possibility to be easily functionalized by entrapping a cargo and exposing targeting molecules makes it very interesting as delivery system. This opportunity is under evaluation for the delivery of different molecules to solid tumors for the development of “smart” imaging system and therapeutic plant virus nanoparticles (PVN) using a potent chemotherapeutic (doxorubicin, DOX), widely used in treatment of several cancers. The efficacy of the developed “smart” PVNs-based system is tested for the possibility to overcome the brain blood barrier (BBB) and/or increase the net uptake of DOX in the nuclei of Medullo Blastoma (MB) cells using consolidated *in vitro* and *in vivo* MB models.

Part IX – Partecipation in national and international conferences as speaker or invited speaker

- 1- Santi L, Salamini F (1999). Physical mapping in barley. Barley Workshop, EGRAM Meeting; Montpellier, France. **Invited speaker.**
From 01-06-1999 to 01-06-1999
- 2- Santi L, Salamini F (2000). Role of homeobox genes in plant leaf development. Is BBR going GAGA? In: Plant development: from cell fate to organ formation, 13th IIGB Meeting; Capri, Italy. **Speaker.**
From 21-10-2000 to 24-10-2000
- 3- Santi L, Salamini F (2002). Intron mediated regulation of BKn3, a plant homeobox gene, as supported by BBR (GAGA) binding factor . Plant, Animal and microbes genomes. PAGMX Meeting, San Diego USA. **Invited speaker.**
From 11-01-2002 to 16-01-2002
- 4- Santi L. (2002). Strategies for recombinant protein expression in plants and their role in vaccine production. ProVacs Meeting, Phoenix AZ, USA. **Speaker.**
From 05-11-2002 to 09-11-2002
- 5- Santi L, Zhong Huang, Kate Gorlewski, Charles J Arntzen, and Hugh S Mason (2005). Plant-derived hepatitis B core particle as platform for mucosal delivery and presentation of foreign epitopes . In: PBVA 2005 Meeting. Prague, Czech Republic. **Speaker.**
From 08-06-2005 to 10-06-2005
- 6- Santi L, David Julovich, Jacquelyn Kilbourne, Guruatma Khalsa, Khan Piensook, Carol Tacket, Mary Estes, Charles J Arntzen, & Hugh S. Mason (2005). Rapid high-level transient expression of

- Norwalk virus-like particles in *Nicotiana benthamiana* leaf and oral immunogenicity in mice. In: PBVA 2005 Meeting. Prague, Czech Republic. **Speaker**.
From 08-06-2005 to 10-06-2005
- 7- Santi L (2006). Viral transient expression systems for the production of virus like particles in green plants. BioMonterrey 2006 Meeting. Monterrey NL, Mexico. **Invited speaker**.
From 20-09-2006 to 24-09-2006
- 8- Santi L, Lance Batchelor, Zhong Huang, Jacquelyn Kilbourne, Brooke Hjelm, Mary K. Estes, Charles J. Arntzen and Hugh S. Mason (2007). An efficient plant viral expression system generating orally immunogenic Norwalk virus-like particles. Plant Based Vaccines and Antibodies (PBVA) 2007. Meeting. Verona, Italy. **Speaker**.
From 08-06-2007 to 20-06-2007
- 9- Santi L (2008). Plants as Biofactories for Vaccine Production. ADVANCED MEETING ON VACCINE IMMUNOLOGY. Sofia, Bulgaria. **Invited speaker**.
From 25-02-2008 to 27-02-2008
- 10- Santi L (2008). Viral nanoparticles as macromolecular devices for new therapeutic and pharmacological approaches. BioMonterrey 2008 Meeting. Monterrey NL, Mexico. **Invited speaker**.
From 17-10-2008 to 18-10-2008
- 11- Santi L (2014). Plants as Biofactories for Biopharmaceuticals. Gained in translation. Arcispedale S. Maria Nuova-Az.Osp. di RE. Reggio Emilia. Italy. **Invited speaker**.
18-12-2014
- 12- Santi L (2015). OGM: tecnologia e sue applicazioni. Organismi geneticamente modificati (ogm): opportunità e sfide. ACCADEMIA NAZIONALE DEI LINCEI. Rome, Italy. Meeting. **Invited speaker**.
05-02-2015
- 13- Santi L (2016). Il tabacco come bio-fabbrica per la realizzazione di vaccini a subunità. III Convegno in memoria del Professor Gianfranco Del Prete. Vaccini, un Bene per la Donna, il Bambino e per tutta l'Umanità. Florence, Italy. Meeting. **Invited speaker**.
08-11-2016
- 14- Santi L (2018). Valorizzazione dei residui e sottoprodotti della filiera olivicolo-olearia. VIOLIN, I meeting scientifico. Palazzo dei Congressi, Riva del Garda (TN). Meeting. **Invited speaker**.
17-05-2018
- 15- Santi L (2023). Trasferimento tecnologico per i sottoprodotti della filiera olivicolo-olearia. Fondazione Cariplo. Online meeting. fondazionecariplo@m.webex.com, ID: 357404620919.
04-04-2023

Part X – Editorial activity

GUEST EDITOR for the special issue: "Plant-Made Biologics" on BIOMED RESEARCH INTERNATIONAL (2014), Published by Hindawi.

GUEST EDITOR for the special issue: "Isolation, identification and bioactivity of food-derived compounds" 1st edition; on MOLECULES (2022), Published by MDPI.

GUEST EDITOR for the special issue: "Isolation, identification and bioactivity of food-derived compounds" 2nd edition; on MOLECULES (2023), Published by MDPI.

Currently reviewer for the following journals:

Natural Products Research, Published by Taylor & Francis.
 Journal of Essential Oil Research, Published by Taylor & Francis.
 Frontiers in Plant Science, Published by Frontiers.
 Vaccine, Published by Elsevier.

Part XI – Summary of Scientific Achievements

XIA – Bibliometric indicators on the overall career

Product type	Number	Data Base	Start	End
Papers [international]	62	Scopus	2001	2023
Book chapter [scientific]	1	Scopus	2001	2023

Total Impact factor	209,8
Average Impact factor per Product	3,38
Total Citations	1952
Average Citations per Product	31,48
Hirsch (H) index	23
Normalized H index*	1 (from first publication)
	1,1 (from PhD)
	0.88 (from degree)

*H index divided by the academic seniority.

XIB – Complete publication list

- 1- Pannucci E, Spagnuolo L, De Gara L, Santi L, Dugo L.
 Phenolic Compounds as Preventive and Therapeutic Agents in Diabetes-Related Oxidative Stress, Inflammation, Advanced Glycation End-Products Production and Insulin Sensitivity.
 (2023) Discovery Medicine, 35(178):715-732.
 DOI: 10.24976/Descov.Med.202335178.68.
 DOCUMENT TYPE: Review
- 2- Marchetti, L., Novelli, F., Tanno, B., Leonardi, S., Hizam, V.M., Arcangeli, C., Santi, L., Baschieri, S., Lico, C., Mancuso, M.
 Peptide-Functionalized and Drug-Loaded Tomato Bushy Stunt Virus Nanoparticles Counteract Tumor Growth in a Mouse Model of Shh-Dependent Medulloblastoma
 (2023) International Journal of Molecular Sciences, 24 (10), art. no. 8911, . Cited 1 time.
 DOI: 10.3390/ijms24108911
 DOCUMENT TYPE: Article

- 3- Marchetti, L., Simon-Gracia, L., Lico, C., Mancuso, M., Baschieri, S., Santi, L., Teesalu, T. Targeting of Tomato Bushy Stunt Virus with a Genetically Fused C-End Rule Peptide (2023) *Nanomaterials*, 13 (8), art. no. 1428, . Cited 1 time.
DOI: 10.3390/nano13081428
DOCUMENT TYPE: Article
- 4- Basiricò, L., Mastrogiovanni, F., Lacetera, N., Santi, L., Bernini, R., Bernabucci, U. In vitro antioxidant and anti-inflammatory activity of an oleuropein-enriched extract obtained from olives leaves on BME-UV1 cells (2023) *Natural Product Research*, 37 (10), pp. 1725-1729.
DOI: 10.1080/14786419.2022.2106485
DOCUMENT TYPE: Article
- 5- Isgrò, C., Spagnuolo, L., Pannucci, E., Mondello, L., Santi, L., Dugo, L., Sardanelli, A.M. Rhus Coriaria L. Extract: Antioxidant Effect and Modulation of Bioenergetic Capacity in Fibroblasts from Parkinson's Disease Patients and THP-1 Macrophages (2022) *International Journal of Molecular Sciences*, 23 (21), art. no. 12774, . Cited 3 times.
DOI: 10.3390/ijms232112774
DOCUMENT TYPE: Article
- 6- Leo, M., Muccillo, L., Dugo, L., Bernini, R., Santi, L., Sabatino, L. Polyphenols Extracts from Oil Production Waste Products (OPWPs) Reduce Cell Viability and Exert Anti-Inflammatory Activity via PPAR γ Induction in Colorectal Cancer Cells (2022) *Antioxidants*, 11 (4), art. no. 624, . Cited 8 times.
DOI: 10.3390/antiox11040624
DOCUMENT TYPE: Article
- 7- Arena, K., Trovato, E., Cacciola, F., Spagnuolo, L., Pannucci, E., Guarnaccia, P., Santi, L., Dugo, P., Mondello, L., Dugo, L. Phytochemical Characterization of Rhus coriaria L. Extracts by Headspace Solid-Phase Micro Extraction Gas Chromatography, Comprehensive Two-Dimensional Liquid Chromatography, and Antioxidant Activity Evaluation (2022) *Molecules*, 27 (5), art. no. 1727, . Cited 14 times.
DOI: 10.3390/molecules27051727
DOCUMENT TYPE: Article
- 8- Pannucci, E., D'Eliseo, D., Ieri, F., Romani, A., Santi, L., Bernini, R., Sabatti, M., Velotti, F. Perspectives on Populus spp. (Salicaceae) bud extracts as antioxidant and anti-inflammatory agents (2022) *Natural Product Research*, 36 (6), pp. 1648-1652. Cited 3 times.
DOI: 10.1080/14786419.2021.1896512
DOCUMENT TYPE: Article
- 9- Lico, C., Tanno, B., Marchetti, L., Novelli, F., Giardullo, P., Arcangeli, C., Pazzaglia, S., Podda, M.S., Santi, L., Bernini, R., Baschieri, S., Mancuso, M. Tomato bushy stunt virus nanoparticles as a platform for drug delivery to shh-dependent medulloblastoma (2021) *International Journal of Molecular Sciences*, 22 (19), art. no. 523, . Cited 6 times.
DOI: 10.3390/ijms221910523
DOCUMENT TYPE: Article
- 10- Luzi, F., Pannucci, E., Clemente, M., Grande, E., Urciuoli, S., Romani, A., Torre, L., Puglia, D., Bernini, R., Santi, L. Hydroxytyrosol and oleuropein-enriched extracts obtained from olive oil wastes and by-products as active antioxidant ingredients for poly (Vinyl alcohol)-based films

- (2021) *Molecules*, 26 (7), art. no. 2104, . Cited 22 times.
DOI: 10.3390/molecules26072104
DOCUMENT TYPE: Article
- 11- Drajs, M.I., Pannucci, E., Caracciolo, R., Bernini, R., Romani, A., Santi, L., Varvaro, L.
Antifungal activity of hydroxytyrosol enriched extracts from olive mill waste against *Verticillium dahliae*, the cause of *Verticillium* wilt of olive
(2021) *Phytopathologia Mediterranea*, 60 (1), pp. 139-147. Cited 5 times.
DOI: 10.36253/phyto-12019
DOCUMENT TYPE: Article
- 12- Pannucci, E., Caracciolo, R., Romani, A., Cacciola, F., Dugo, P., Bernini, R., Varvaro, L., Santi, L.
An hydroxytyrosol enriched extract from olive mill wastewaters exerts antioxidant activity and antimicrobial activity on *Pseudomonas savastanoi* pv. *savastanoi* and *Agrobacterium tumefaciens*
(2021) *Natural Product Research*, 35 (16), pp. 2677-2684. Cited 11 times.
DOI: 10.1080/14786419.2019.1662006
DOCUMENT TYPE: Article
- 13- Mastrogiovanni, F., Romani, A., Santi, L., Lacetera, N., Bernini, R.
Anti-proliferative effect of pomegranate peel extracts on bovine peripheral blood mononuclear cells (PBMCs)
(2021) *Natural Product Research*, 35 (10), pp. 1696-1701. Cited 4 times.
DOI: 10.1080/14786419.2019.1627350
DOCUMENT TYPE: Article
- 14- Lico, C., Santi, L., Baschieri, S., Noris, E., Marusic, C., Donini, M., Pedrazzini, E., Maga, G., Franconi, R., Di Bonito, P., Avesani, L.
Plant Molecular Farming as a Strategy Against COVID-19 – The Italian Perspective
(2020) *Frontiers in Plant Science*, 11, art. no. 609910, . Cited 14 times.
DOI: 10.3389/fpls.2020.609910
DOCUMENT TYPE: Article
- 15- Mastrogiovanni, F., Bernini, R., Basiricò, L., Bernabucci, U., Campo, M., Romani, A., Santi, L., Lacetera, N.
Antioxidant and anti-inflammatory effects of pomegranate peel extracts on bovine mammary epithelial cells BME-UV1
(2020) *Natural Product Research*, 34 (10), pp. 1465-1469. Cited 21 times.
DOI: 10.1080/14786419.2018.1508149
DOCUMENT TYPE: Article
- 16- Zampieri, R., Brozzetti, A., Pericolini, E., Bartoloni, E., Gabrielli, E., Roselletti, E., Lomonosoff, G., Meshcheriakova, Y., Santi, L., Imperatori, F., Merlin, M., Tinazzi, E., Dotta, F., Nigi, L., Sebastiani, G., Pezzotti, M., Falorni, A., Avesani, L.
Prevention and treatment of autoimmune diseases with plant virus nanoparticles
(2020) *Science Advances*, 6 (19), art. no. eaaz0295, . Cited 17 times.
DOI: 10.1126/sciadv.aaz0295
DOCUMENT TYPE: Article
- 17- D'Andrea, G., Ceccarelli, M., Bernini, R., Clemente, M., Santi, L., Caruso, C., Micheli, L., Tirone, F.
Hydroxytyrosol stimulates neurogenesis in aged dentate gyrus by enhancing stem and progenitor cell proliferation and neuron survival
(2020) *FASEB Journal*, 34 (3), pp. 4512-4526. Cited 18 times.
DOI: 10.1096/fj.201902643R
DOCUMENT TYPE: Article

- 18- Imperatori, F., Barlozzari, G., Scardigli, A., Romani, A., Macri, G., Polinori, N., Bernini, R., Santi, L.
Leishmanicidal activity of green tea leaves and pomegranate peel extracts on *L. infantum*
(2019) *Natural Product Research*, 33 (24), pp. 3465-3471. Cited 10 times.
DOI: 10.1080/14786419.2018.1481841
DOCUMENT TYPE: Article
- 19- Luzi, F., Pannucci, E., Santi, L., Kenny, J.M., Torre, L., Bernini, R., Puglia, D.
Gallic acid and quercetin as intelligent and active ingredients in poly(vinyl alcohol) films for food packaging
(2019) *Polymers*, 11 (12), art. no. 1999, . Cited 68 times.
DOI: 10.3390/polym11121999
DOCUMENT TYPE: Article
- 20- Basiricò, L., Morera, P., Dipasquale, D., Bernini, R., Santi, L., Romani, A., Lacetera, N., Bernabucci, U.
(-)-Epigallocatechin-3-gallate and hydroxytyrosol improved antioxidative and anti-inflammatory responses in bovine mammary epithelial cells
(2019) *Animal*, 13 (12), pp. 2847-2856. Cited 28 times.
DOI: 10.1017/S1751731119001356
DOCUMENT TYPE: Article
- 21- Magrini, S., De Vitis, M., Torelli, D., Santi, L., Zucconi, L.
Seed banking of terrestrial orchids: evaluation of seed quality in *Anacamptis* following 4-year dry storage
(2019) *Plant Biology*, 21 (3), pp. 544-550. Cited 10 times.
DOI: 10.1111/plb.12936
DOCUMENT TYPE: Article
- 22- D'Eliseo, D., Pannucci, E., Bernini, R., Campo, M., Romani, A., Santi, L., Velotti, F.
In vitro studies on anti-inflammatory activities of kiwifruit peel extract in human THP-1 monocytes
(2019) *Journal of Ethnopharmacology*, 233, pp. 41-46. Cited 27 times.
DOI: 10.1016/j.jep.2018.12.044
DOCUMENT TYPE: Article
- 23- Luzi, F., Fortunati, E., Di Michele, A., Pannucci, E., Botticella, E., Santi, L., Kenny, J.M., Torre, L., Bernini, R.
Nanostructured starch combined with hydroxytyrosol in poly(vinyl alcohol) based ternary films as active packaging system
(2018) *Carbohydrate Polymers*, 193, pp. 239-248. Cited 54 times.
DOI: 10.1016/j.carbpol.2018.03.079
DOCUMENT TYPE: Article
- 24- Dugo, L., Tripodo, G., Santi, L., Fanali, C.
Cocoa polyphenols: Chemistry, bioavailability and effects on cardiovascular performance
(2018) *Current Medicinal Chemistry*, 25 (37), pp. 4903-4917. Cited 10 times.
DOI: 10.2174/0929867323666160919094339
DOCUMENT TYPE: Review
- 25- Fortunati, E., Luzi, F., Fanali, C., Dugo, L., Giovanna Belluomo, M., Torre, L., Kenny, J.M., Santi, L., Bernini, R.
Hydroxytyrosol as active ingredient in poly(vinyl alcohol) films for food packaging applications
(2017) *Journal of Renewable Materials*, 5 (2), pp. 81-95. Cited 15 times.
DOI: 10.7569/JRM.2016.634132
DOCUMENT TYPE: Article

- 26- Lico, C., Giardullo, P., Mancuso, M., Benvenuto, E., Santi, L., Baschieri, S.
A biodistribution study of two differently shaped plant virus nanoparticles reveals new peculiar traits
(2016) *Colloids and Surfaces B: Biointerfaces*, 148, pp. 431-439. Cited 12 times.
DOI: 10.1016/j.colsurfb.2016.09.019
DOCUMENT TYPE: Article
- 27- Fortunati, E., Luzi, F., Dugo, L., Fanali, C., Tripodo, G., Santi, L., Kenny, J.M., Torre, L., Bernini, R.
Effect of hydroxytyrosol methyl carbonate on the thermal, migration and antioxidant properties of PVA-based films for active food packaging
(2016) *Polymer International*, 65 (8), pp. 872-882. Cited 23 times.
DOI: 10.1002/pi.5090
DOCUMENT TYPE: Article
- 28- Llauro, A., Coppari, E., Imperatori, F., Bizzarri, A.R., Castón, J.R., Santi, L., Cannistraro, S., De Pablo, P.J.
Calcium Ions Modulate the Mechanics of Tomato Bushy Stunt Virus
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DOCUMENT TYPE: Article
- 29- Blandino, A., Lico, C., Baschieri, S., Barberini, L., Cirotto, C., Blasi, P., Santi, L.
In vitro and in vivo toxicity evaluation of plant virus nanocarriers
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DOCUMENT TYPE: Article
- 30- Lovato, A., Faoro, F., Gambino, G., Maffi, D., Bracale, M., Polverari, A., Santi, L.
Construction of a synthetic infectious cDNA clone of Grapevine Algerian latent virus (GALV-Nf) and its biological activity in *Nicotiana benthamiana* and grapevine plants
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DOCUMENT TYPE: Article
- 31- Chen, Q., Santi, L., Zhang, C.
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DOCUMENT TYPE: Review
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Nanoparticles in biomedicine: New insights from plant viruses
(2013) *Current Medicinal Chemistry*, 20 (28), pp. 3471-3487. Cited 27 times.
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DOCUMENT TYPE: Review
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A plant derived multifunctional tool for nanobiotechnology based on Tomato bushy stunt virus
(2013) *Transgenic Research*, 22 (3), pp. 519-535. Cited 16 times.
DOI: 10.1007/s11248-012-9663-6
DOCUMENT TYPE: Article
- 34- Lico, C., Santi, L., Twyman, R.M., Pezzotti, M., Avesani, L.
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(2012) *Plant Cell Reports*, 31 (3), pp. 439-451. Cited 63 times.

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DOCUMENT TYPE: Review

- 35- Giacosa, A., Adam-Blondon, A.F., Baer-Sinnott, S., Barale, R., Bavaresco, L., Di Gaspero, G., Dugo, L., Curtis Ellison, R., Gerbi, V., Gifford, D., Janssens, J., La Vecchia, C., Negri, E., Pezzotti, M., Santi, L., Santi, L., Rondanelli, M.
Alcohol and wine in relation to cancer and other diseases
(2012) *European Journal of Cancer Prevention*, 21 (1), pp. 103-108. Cited 35 times.
DOI: 10.1097/CEJ.0b013e32834761d3
DOCUMENT TYPE: Review
- 36- Manfra, M., de Nisco, M., Bolognese, A., Nuzzo, V., Sofo, A., Scopa, A., Santi, L., Tenore, G.C., Novellino, E.
Anthocyanin composition and extractability in berry skin and wine of *Vitis vinifera* L. cv. Aglianico
(2011) *Journal of the Science of Food and Agriculture*, 91 (15), pp. 2749-2755. Cited 14 times.
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DOCUMENT TYPE: Article
- 37- Morandini, F., Avesani, L., Bortesi, L., Van Droogenbroeck, B., De Wilde, K., Arcalis, E., Bazzoni, F., Santi, L., Brozzetti, A., Falorni, A., Stoger, E., Depicker, A., Pezzotti, M.
Non-food/feed seeds as biofactories for the high-yield production of recombinant pharmaceuticals
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DOCUMENT TYPE: Article
- 38- Sciarrone, D., Costa, R., Ragonese, C., Tranchida, P.Q., Tedone, L., Santi, L., Dugo, P., Dugo, G., Joulain, D., Mondello, L.
Application of a multidimensional gas chromatography system with simultaneous mass spectrometric and flame ionization detection to the analysis of sandalwood oil
(2011) *Journal of Chromatography A*, 1218 (1), pp. 137-142. Cited 46 times.
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DOCUMENT TYPE: Article
- 39- Dugo, G., Bonaccorsi, I., Sciarrone, D., Costa, R., Dugo, P., Mondello, L., Santi, L., Fakhry, H.A.
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DOCUMENT TYPE: Article
- 40- Schipilliti, L., Dugo, G., Santi, L., Dugo, P., Mondello, L.
Authentication of bergamot essential oil by gas chromatography-combustion-isotope ratio mass spectrometer (gc-c-irms)
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DOI: 10.1080/10412905.2011.9700447
DOCUMENT TYPE: Article
- 41- Dugo, P., Bonaccorsi, I., Ragonese, C., Russo, M., Donato, P., Santi, L., Mondello, L.
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DOCUMENT TYPE: Article
- 42- Costa, R., Dugo, P., Santi, L., Dugo, G., Mondello, L.
Advances of modern gas chromatography and hyphenated techniques for analysis of plant extracts
(2010) *Current Organic Chemistry*, 14 (16), pp. 1752-1768. Cited 7 times.
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DOCUMENT TYPE: Article

- 43- Dugo, P., Ragonese, C., Russo, M., Sciarrone, D., Santi, L., Cotroneo, A., Mondello, L.
Sicilian lemon oil: Composition of volatile and oxygen heterocyclic fractions and enantiomeric
distribution of volatile components
(2010) *Journal of Separation Science*, 33 (21), pp. 3374-3385. Cited 32 times.
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DOCUMENT TYPE: Article
- 44- Grasso, S., Santi, L.
Viral nanoparticles as macromolecular devices for new therapeutic and pharmaceutical approaches
(2010) *International Journal of Physiology, Pathophysiology and Pharmacology*, 2 (2), pp. 161-178.
Cited 38 times.
DOCUMENT TYPE: Article
- 45- Vessella, F., Parlante, A., Schirone, A., Sandoletti, G., Bellarosa, R., Piovesan, G., Santi, L.,
Schirone, B.
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(2010) *Scandinavian Journal of Forest Research*, 25 (SUPPL. 8), pp. 68-74. Cited 10 times.
DOI: 10.1080/02827581.2010.485819
DOCUMENT TYPE: Article
- 46- Alessandrini, A., Vessella, F., Di Filippo, A., Salis, A., Santi, L., Schirone, B., Piovesan, G.
Combined dendroecological and normalized difference vegetation index analysis to detect regions of
provenance in forest species
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DOCUMENT TYPE: Article
- 47- Donato, P., Fanali, C., Santi, L., Dugo, P., Mondello, L.
LC-MS techniques for the detection and characterisation of bioactive compounds in food
(2010) *Food Science and Technology*, 24 (2), pp. 53-55.
DOCUMENT TYPE: Article
- 48- Costa, R., Pizzimenti, F., Marotta, F., Dugo, P., Santi, L., Mondello, L.
Volatiles from steam-distilled leaves of some plant species from Madagascar and New Zealand and
evaluation of their biological activity
(2010) *Natural Product Communications*, 5 (11), pp. 1803-1808. Cited 2 times.
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DOCUMENT TYPE: Article
- 49- Avesani, L., Bortesi, L., Santi, L., Falorni, A., Pezzotti, M.
Plant-made pharmaceuticals for the prevention and treatment of autoimmune diseases: Where are
we?
(2010) *Expert Review of Vaccines*, 9 (8), pp. 957-969. Cited 14 times.
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DOCUMENT TYPE: Review
- 50- Jajaei, S.M., Daud, W.R.W., Markom, M., Zakaria, Z., Presti, M.L., Costa, R., Mondello, L., Santi,
L.
Extraction of melaleuca cajuputi using supercritical fluid extraction and solvent extraction
(2010) *Journal of Essential Oil Research*, 22 (3), pp. 205-210. Cited 11 times.
DOI: 10.1080/10412905.2010.9700304
DOCUMENT TYPE: Article
- 51- Presti, M.L., Crupi, M.L., Costa, R., Dugo, G., Mondello, L., Ragusa, S., Santi, L.

- Seasonal variations of *teucrium flavum* l. essential oil
(2010) *Journal of Essential Oil Research*, 22 (3), pp. 211-216. Cited 12 times.
DOI: 10.1080/10412905.2010.9700305
DOCUMENT TYPE: Article
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Production and characterization of an orally immunogenic *Plasmodium* antigen in plants using a virus-based expression system
(2009) *Plant Biotechnology Journal*, 7 (9), pp. 846-855. Cited 38 times.
DOI: 10.1111/j.1467-7652.2009.00447.x
DOCUMENT TYPE: Article
- 53- Santi, L.
Plant derived veterinary vaccines
(2009) *Veterinary Research Communications*, 33 (SUPPL. 1), pp. S61-S66. Cited 11 times.
DOI: 10.1007/s11259-009-9246-z
DOCUMENT TYPE: Conference Paper
- 54- Del Prete, G., Santi, L., Andrianaivoarimanana, V., Amedei, A., Domarle, O., D'Elis, M.M., Arntzen, C.J., Rahalison, L., Mason, H.S.
Plant-derived recombinant F1, V, and F1-V fusion antigens of *Yersinia pestis* activate human cells of the innate and adaptive immune system
(2009) *International Journal of Immunopathology and Pharmacology*, 22 (1), pp. 133-143. Cited 23 times.
DOI: 10.1177/039463200902200115
DOCUMENT TYPE: Article
- 55- Lico, C., Chen, Q., Santi, L.
Viral vectors for production of recombinant proteins in plants
(2008) *Journal of Cellular Physiology*, 216 (2), pp. 366-377. Cited 193 times.
DOI: 10.1002/jcp.21423
DOCUMENT TYPE: Review
- 56- Santi, L., Batchelor, L., Huang, Z., Hjelm, B., Kilbourne, J., Arntzen, C.J., Chen, Q., Mason, H.S.
An efficient plant viral expression system generating orally immunogenic Norwalk virus-like particles
(2008) *Vaccine*, 26 (15), pp. 1846-1854. Cited 170 times.
DOI: 10.1016/j.vaccine.2008.01.053
DOCUMENT TYPE: Article
- 57- Santi, L., Huang, Z., Mason, H.
Virus-like particles production in green plants
(2006) *Methods*, 40 (1), pp. 66-76. Cited 80 times.
DOI: 10.1016/j.ymeth.2006.05.020
DOCUMENT TYPE: Article
- 58- Huang, Z., Santi, L., LePore, K., Kilbourne, J., Arntzen, C.J., Mason, H.S.
Rapid, high-level production of hepatitis B core antigen in plant leaf and its immunogenicity in mice
(2006) *Vaccine*, 24 (14), pp. 2506-2513. Cited 109 times.
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DOCUMENT TYPE: Article
- 59- Santi, L., Giritch, A., Roy, C.J., Marillonnet, S., Klimyuk, V., Gleba, Y., Webb, R., Arntzen, C.J., Mason, H.S.

Protection conferred by recombinant *Yersinia pestis* antigens produced by a rapid and highly scalable plant expression system
 (2006) Proceedings of the National Academy of Sciences of the United States of America, 103 (4), pp. 861-866. Cited 113 times.
 DOI: 10.1073/pnas.0510014103
 DOCUMENT TYPE: Article

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 Genetics of barley Hooded suppression
 (2004) Genetics, 167 (1), pp. 439-448. Cited 23 times.
 DOI: 10.1534/genetics.167.1.439
 DOCUMENT TYPE: Article

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 The GA octodinucleotide repeat binding factor BBR participates in the transcriptional regulation of the homeobox gene Bkn3
 (2003) Plant Journal, 34 (6), pp. 813-826. Cited 90 times.
 DOI: 10.1046/j.1365-313X.2003.01767.x
 DOCUMENT TYPE: Article

62- Müller, J., Wang, Y., Franzen, R., Santi, L., Salamini, F., Rohde, W.
 In vitro interactions between barley TALE homeodomain proteins suggest a role for protein-protein associations in the regulation of Knox gene function
 (2001) Plant Journal, 27 (1), pp. 13-23. Cited 136 times.
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 DOCUMENT TYPE: Article

1- Mason, H.S., Chikwamba, R., Santi, L., Mahoney, R.T., Arntzen, C.J.
 Transgenic plants for mucosal vaccines
 (2005) Mucosal Immunology, Two-Volume Set, pp. 1053-1060. Cited 1 time.
 DOI: 10.1016/B978-012491543-5/50062-0
 DOCUMENT TYPE: Book Chapter

XIC – Bibliometric indicators on the temporal period of the selectable publications

Product type	Number	Data Base	Start	End
Papers [international]	33	Scopus	2013	2023

Total Impact factor	127,8
Average Impact factor per Product	3,87
Total Citations	519
Average Citations per Product	15,7
Hirsch (H) index	15
Normalized H index*	1,5

*H index divided by the academic seniority.

Part XII– Selected Publications

- 1- Isgrò, C., Spagnuolo, L., Pannucci, E., Mondello, L., Santi, L., Dugo, L., Sardanelli, A.M. Rhus Coriaria L. Extract: Antioxidant Effect and Modulation of Bioenergetic Capacity in Fibroblasts from Parkinson’s Disease Patients and THP-1 Macrophages
(2022) International Journal of Molecular Sciences, 23 (21), art. no. 12774. **Cited 3 times**.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141869801&doi=10.3390%2fijms232112774&partnerID=40&md5=e7d9630b43f7886ae215489a416f83bd>

DOI: 10.3390/ijms232112774
DOCUMENT TYPE: Article
PUBLICATION STAGE: Final
OPEN ACCESS: All Open Access, Gold, Green
SOURCE: Scopus
IF: 5.6
- 2- Leo, M., Muccillo, L., Dugo, L., Bernini, R., Santi, L., Sabatino, L. Polyphenols Extracts from Oil Production Waste Products (OPWPs) Reduce Cell Viability and Exert Anti-Inflammatory Activity via PPAR γ Induction in Colorectal Cancer Cells
(2022) Antioxidants, 11 (4), art. no. 624. **Cited 8 times**.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127000169&doi=10.3390%2fantiox11040624&partnerID=40&md5=8dae1d553aa31235d5839bb3a2539e0f>

DOI: 10.3390/antiox11040624
DOCUMENT TYPE: Article
PUBLICATION STAGE: Final
OPEN ACCESS: All Open Access, Gold, Green
SOURCE: Scopus
IF: 7
- 3- Arena, K., Trovato, E., Cacciola, F., Spagnuolo, L., Pannucci, E., Guarnaccia, P., Santi, L., Dugo, P., Mondello, L., Dugo, L. Phytochemical Characterization of Rhus coriaria L. Extracts by Headspace Solid-Phase Micro Extraction Gas Chromatography, Comprehensive Two-Dimensional Liquid Chromatography, and Antioxidant Activity Evaluation
(2022) Molecules, 27 (5), art. no. 1727. **Cited 14 times**.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126314652&doi=10.3390%2fmolecules27051727&partnerID=40&md5=811de2f72d6ba08e1e3d294c78f88723>

DOI: 10.3390/molecules27051727
DOCUMENT TYPE: Article
PUBLICATION STAGE: Final
OPEN ACCESS: All Open Access, Gold, Green
SOURCE: Scopus
IF: 4.6
- 4- Pannucci, E., D’Eliseo, D., Ieri, F., Romani, A., Santi, L., Bernini, R., Sabatti, M., Velotti, F. Perspectives on Populus spp. (Salicaceae) bud extracts as antioxidant and anti-inflammatory agents
(2022) Natural Product Research, 36 (6), pp. 1648-1652. **Cited 3 times**.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102167051&doi=10.1080%2f14786419.2021.1896512&partnerID=40&md5=6ad841d8ceeeda753cb6798cbefd257>

DOI: 10.1080/14786419.2021.1896512

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

SOURCE: Scopus

IF: 2.2

- 5- Luzi, F., Pannucci, E., Clemente, M., Grande, E., Urciuoli, S., Romani, A., Torre, L., Puglia, D., Bernini, R., Santi, L.*

Hydroxytyrosol and oleuropein-enriched extracts obtained from olive oil wastes and by-products as active antioxidant ingredients for poly (Vinyl alcohol)-based films

(2021) *Molecules*, 26 (7), art. no. 2104. **Cited 22 times.**

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[85105129085&doi=10.3390%2fmolecules26072104&partnerID=40&md5=bdf059a74a96736e7bd419ac9f4a992b](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105129085&doi=10.3390%2fmolecules26072104&partnerID=40&md5=bdf059a74a96736e7bd419ac9f4a992b)

DOI: 10.3390/molecules26072104

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

OPEN ACCESS: All Open Access, Gold, Green

SOURCE: Scopus

IF: 4.927

***Relevant author's position: Last author**

- 6- Pannucci, E., Caracciolo, R., Romani, A., Cacciola, F., Dugo, P., Bernini, R., Varvaro, L., Santi, L.*
An hydroxytyrosol enriched extract from olive mill wastewaters exerts antioxidant activity and antimicrobial activity on *Pseudomonas savastanoi* pv. *savastanoi* and *Agrobacterium tumefaciens*

(2021) *Natural Product Research*, 35 (16), pp. 2677-2684. **Cited 11 times.**

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072046354&doi=10.1080%2f14786419.2019.1662006&partnerID=40&md5=a0466a7d35f1e87821c47e3b0a15a9c1)

[85072046354&doi=10.1080%2f14786419.2019.1662006&partnerID=40&md5=a0466a7d35f1e87821c47e3b0a15a9c1](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072046354&doi=10.1080%2f14786419.2019.1662006&partnerID=40&md5=a0466a7d35f1e87821c47e3b0a15a9c1)

DOI: 10.1080/14786419.2019.1662006

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

OPEN ACCESS: All Open Access, Green

SOURCE: Scopus

IF: 2.488

***Relevant author's position: Last and corresponding author**

- 7- Mastrogiovanni, F., Bernini, R., Basiricò, L., Bernabucci, U., Campo, M., Romani, A., Santi, L., Lacetera, N.

Antioxidant and anti-inflammatory effects of pomegranate peel extracts on bovine mammary epithelial cells BME-UV1

(2020) *Natural Product Research*, 34 (10), pp. 1465-1469. **Cited 21 times.**

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[85054411786&doi=10.1080%2f14786419.2018.1508149&partnerID=40&md5=45f52c0c9d6f359bf410493ce2afb5f](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054411786&doi=10.1080%2f14786419.2018.1508149&partnerID=40&md5=45f52c0c9d6f359bf410493ce2afb5f)

DOI: 10.1080/14786419.2018.1508149

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

OPEN ACCESS: All Open Access, Green

SOURCE: Scopus

IF: 2.862

- 8- Zampieri, R., Brozzetti, A., Pericolini, E., Bartoloni, E., Gabrielli, E., Roselletti, E., Lomonosoff, G., Meshcheriakova, Y., Santi, L., Imperatori, F., Merlin, M., Tinazzi, E., Dotta, F., Nigi, L., Sebastiani, G., Pezzotti, M., Falorni, A., Avesani, L.

Prevention and treatment of autoimmune diseases with plant virus nanoparticles

(2020) *Science Advances*, 6 (19), art. no. eaaz0295. **Cited 17 times.**

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85084940945&doi=10.1126%2fsciadv.aaz0295&partnerID=40&md5=e266149de82764f3951971b29640d62c

DOI: 10.1126/sciadv.aaz0295

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

OPEN ACCESS: All Open Access, Gold, Green

SOURCE: Scopus

IF: 14.143

- 9- Imperatori, F., Barlozzari, G., Scardigli, A., Romani, A., Macrì, G., Polinori, N., Bernini, R., Santi, L.*

Leishmanicidal activity of green tea leaves and pomegranate peel extracts on *L. infantum*

(2019) *Natural Product Research*, 33 (24), pp. 3465-3471. **Cited 10 times.**

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85048027159&doi=10.1080%2f14786419.2018.1481841&partnerID=40&md5=fbbd4f01888f62e00bfc86ff1937f03

DOI: 10.1080/14786419.2018.1481841

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

OPEN ACCESS: All Open Access, Green

SOURCE: Scopus

IF: 2.158

***Relevant author's position: Last and corresponding author**

- 10- Luzi, F., Pannucci, E., Santi, L., Kenny, J.M., Torre, L., Bernini, R., Puglia, D.
Gallic acid and quercetin as intelligent and active ingredients in poly(vinyl alcohol) films for food packaging

(2019) *Polymers*, 11 (12), art. no. 1999. **Cited 67 times.**

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85079117597&doi=10.3390%2fpolym11121999&partnerID=40&md5=12b93f89684b47541c12b40533227352

DOI: 10.3390/polym11121999

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

OPEN ACCESS: All Open Access, Gold, Green

SOURCE: Scopus

IF: 3.426

- 11- D'Eliseo, D., Pannucci, E., Bernini, R., Campo, M., Romani, A., Santi, L.*, Velotti, F.
In vitro studies on anti-inflammatory activities of kiwifruit peel extract in human THP-1 monocytes

(2019) *Journal of Ethnopharmacology*, 233, pp. 41-46. **Cited 27 times.**

<https://www.scopus.com/inward/record.uri?eid=2-s2.0->

85059449252&doi=10.1016%2fj.jep.2018.12.044&partnerID=40&md5=e5f7a9e8c00dacebd16a74b30933f456

DOI: 10.1016/j.jep.2018.12.044

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final
OPEN ACCESS: All Open Access, Green
SOURCE: Scopus

IF: 3.690

***Relevant author's position: Corresponding author**

- 12- Luzi, F., Fortunati, E., Di Michele, A., Pannucci, E., Botticella, E., Santi, L., Kenny, J.M., Torre, L., Bernini, R.

Nanostructured starch combined with hydroxytyrosol in poly(vinyl alcohol) based ternary films as active packaging system

(2018) Carbohydrate Polymers, 193, pp. 239-248. **Cited 53 times.**

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044920024&doi=10.1016%2fj.carbpol.2018.03.079&partnerID=40&md5=2c093032b8d8167ce23c6adb0731eef7)

[85044920024&doi=10.1016%2fj.carbpol.2018.03.079&partnerID=40&md5=2c093032b8d8167ce23c6adb0731eef7](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044920024&doi=10.1016%2fj.carbpol.2018.03.079&partnerID=40&md5=2c093032b8d8167ce23c6adb0731eef7)

DOI: 10.1016/j.carbpol.2018.03.079

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

SOURCE: Scopus

IF: 6.044

- 13- Blandino, A., Lico, C., Baschieri, S., Barberini, L., Cirotto, C., Blasi, P., Santi, L.*

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***Relevant author's position: Last and corresponding author**

Part XIII– Patents

- 1- **PCT patent application** no. PCT/IB2023/060208 dated Oct 11, 2023 for:
COMPOSITION COMPRISING NOT PHOSPHORYLATED TRYPTAMINES, ANTIOXIDANTS,
AND SUPPLEMENTS, AND PHARMACEUTICAL USES THEREOF
in the name of: SINTALICA S.R.L.
Inventors: CACCIOTTI Ilaria, CUZZOCREA Salvatore, MONDELLO Luigi, NOTTI Anna,
SANTI Luca, TROPEA Alessia.
- 2- **PCT patent application** no. PCT/IB2023/060210 dated Oct 11, 2023
for: COMPOSITION COMPRISING TRYPTAMINES AND MAOIS COMPOUNDS SELECTED
FROM β -CARBOLINE INHIBITORS, AND PHARMACEUTICAL USES THEREOF
in the name of: SINTALICA S.R.L.
Inventors: **SANTI Luca**, MONDELLO Luigi, NOTTI Anna, CACCIOTTI Ilaria, CUZZOCREA
Salvatore.
- 3- **PCT patent application** no. PCT/IB2023/060211 dated Oct 11, 2023
for: DELIVERY SYSTEM FOR THE CONTROLLED RELEASE OF PSYCHEDELIC
COMPOUNDS, PHARMACEUTICAL COMPOSITION AND USES THEREOF
in the name of: SINTALICA S.R.L.
Inventors: **SANTI Luca**, MONDELLO Luigi, NOTTI Anna, CACCIOTTI Ilaria, CUZZOCREA
Salvatore.
- 4- **Italian patent application** No. 102022000026703 filed on December 23, 2022, for:
NON-HALLUCINOGENIC TRYPTAMINE COMPOUNDS, PREPARATION,
PHARMACEUTICAL COMPOSITIONS AND USES THEREOF

in the name of: SINTALICA S.R.L.

Inventors: **SANTI Luca**, MONDELLO Luigi, NOTTI Anna, CACCIOTTI Ilaria, CUZZOCREA Salvatore.

Rome, 10/12/2023

Luca Santi
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