

I Giornata di informazione e comunicazione progetti di COOPERAZIONE INTERREGIONALE e TRANSNAZIONALE

Nome del progetto: PAPRIKANET.IT

Prodotti Attivi dalle Piante: Ricerca, Innovazione e K(C)onoscenze Avanzate
grazie ad un NETwork Internazionale

Prof. Luigi Milella
Basilicata University





Publications

Article

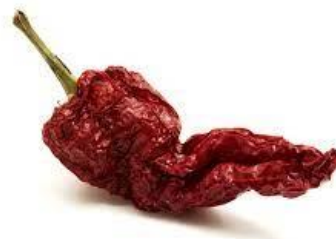
New Insight on the Bioactivity of *Solanum aethiopicum* Linn. Growing in Basilicata Region (Italy): Phytochemical Characterization, Liposomal Incorporation, and Antioxidant Effects

Immacolata Faraone^{1,2,†}, Ludovica Lela^{1,†}, Maria Ponticelli^{1,*}, Domenico Gorgoglione³, Filomena De Biasio³, Patricia Valentão⁴, Paula B. Andrade⁴, Antonio Vassallo^{1,5}, Carla Caddeo⁶, Luigi Milella⁷, Angela Ostuni^{1,2} and Luigi Milella^{1,*}



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† These authors contributed equally to the work.



Molecular Nutrition & Food Research

Research Article

The Beneficial Effects of Red Sun-Dried *Capsicum annum* L. Cv Senise Extract with Antioxidant Properties in Experimental Obesity are Associated with Modulation of the Intestinal Microbiota

Chiara Sinisgalli, Teresa Veza, Patricia Diez-Echave, Angela Ostuni, Immacolata Faraone, Laura Hidalgo-Garcia, Daniela Russo, Maria Francesca Armentano, José Garrido-Mesa, Maria Elena Rodriguez-Cabezas, Alba Rodríguez-Nogales, Luigi Milella, Julio Galvez ... See fewer authors

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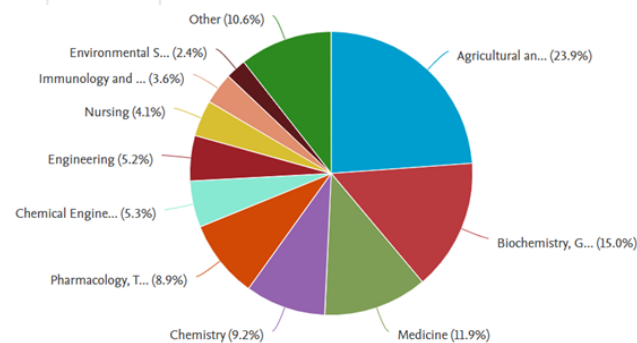
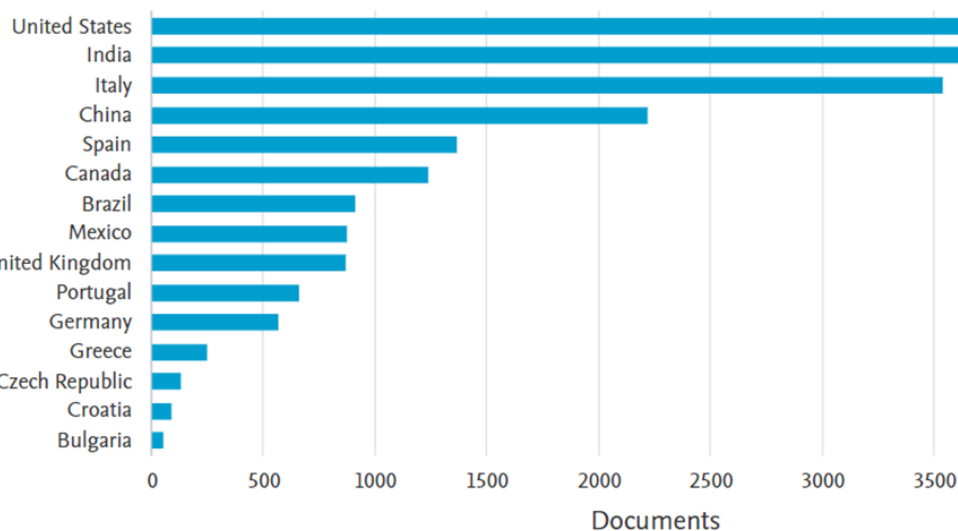
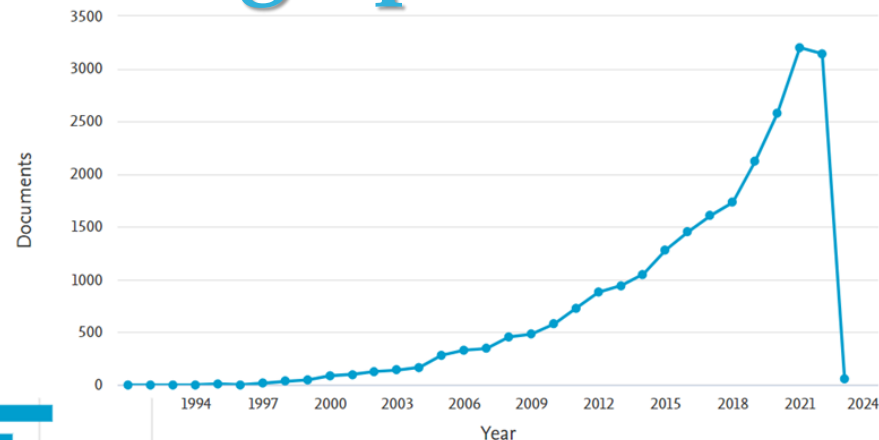
Scopus

KEY-WORD

«nutraceutical*»

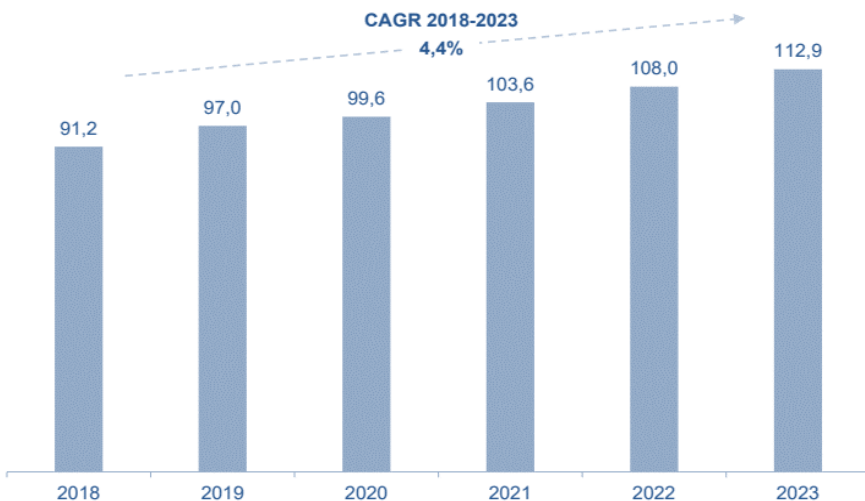
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Bibliographic search

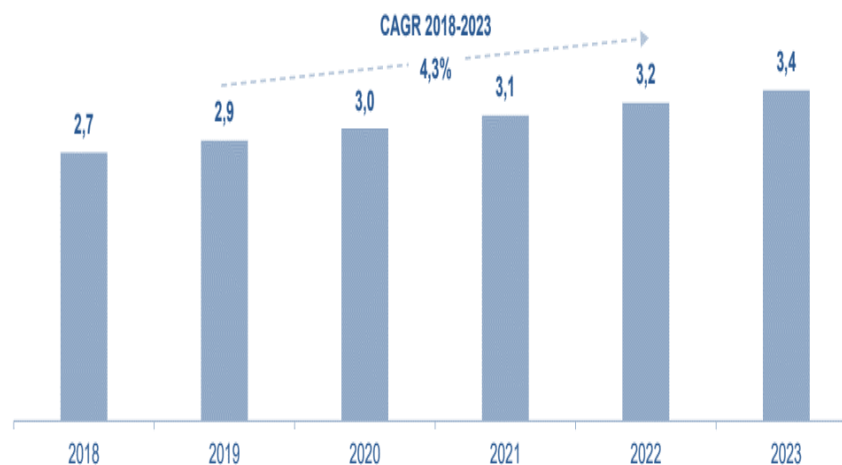


Nutraceutical market

GLOBAL NUTRACEUTICAL MARKET
(2018 - 2023, €B, %)



ITALIAN NUTRACEUTICAL MARKET (2018 - 2023, €B, %)



The global nutraceuticals market has been increasing since 2018, at a Compound Annual Growth Rate (CAGR) of 4,4% during the estimate period 2022 to 2030. A similar trend is observed in Europe, with a higher consumption of nutraceuticals in Western Europe than in Eastern Europe.

Objectives of PAPRIKANET.IT project

- Establish and strengthen cooperation between 10 European Partners beyond Italy, including Croatia and Greece as part of the EUSAIR strategy
- Create and develop a “Common area of knowledge and innovation” in the field of natural substances with particular reference to the nutraceutical of the native species of Basilicata and the medicinal species there present
- Promote this strategy in the local systems of Basilicata improving the mobility between research, enterprise and innovation, creating a network of highly qualified professionals working in the field of natural substances in different European Countries

Lead Partner: UNIBAS_DiS

IT Partners: ALSIA

UniNa

European partners: Czech Rep. (3)

Croatia (1)

Germany (1)

Spain (2)

Portugal (1)

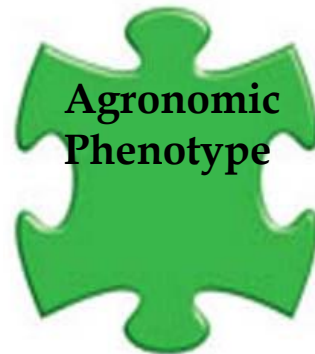
Greece (1)

Bulgaria (1)



Output of PAPRIKANET.IT project

- Consolidation and enhancement of cooperation between European partners
- More active participation by local entrepreneurial companies
- Improving the skills and knowledge of stakeholders
- Creation of website/platform
- Creation of a scientific chain aimed at enhancing the beneficial power of the pepper and the white aubergine of Senise and the red aubergine of Rotonda
- Publications/research reports/newsletters for the dissemination of the results of scientific research as well as through oral communications at conferences of high scientific impact



Christian-Albrechts-Universität zu Kiel



UNIVERSIDAD DE GRANADA



Founding year: 1665

Number of Students: 27000

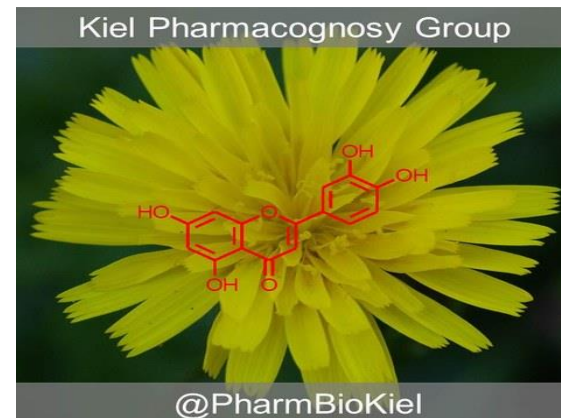
Number of Professors: 400

Number of Faculties: 8



More details about each research area are given below:

- 1. Bioactive plant natural products
- 2. Chemophenetics
- 3. Chemical ecology
- 4. Marine natural products
- 5. Natural products from vegetables



Structure and Conformation of Zosteraphenols, Tetracyclic Diarylheptanoids from the Seagrass *Zostera marina*: An NMR and DFT Study

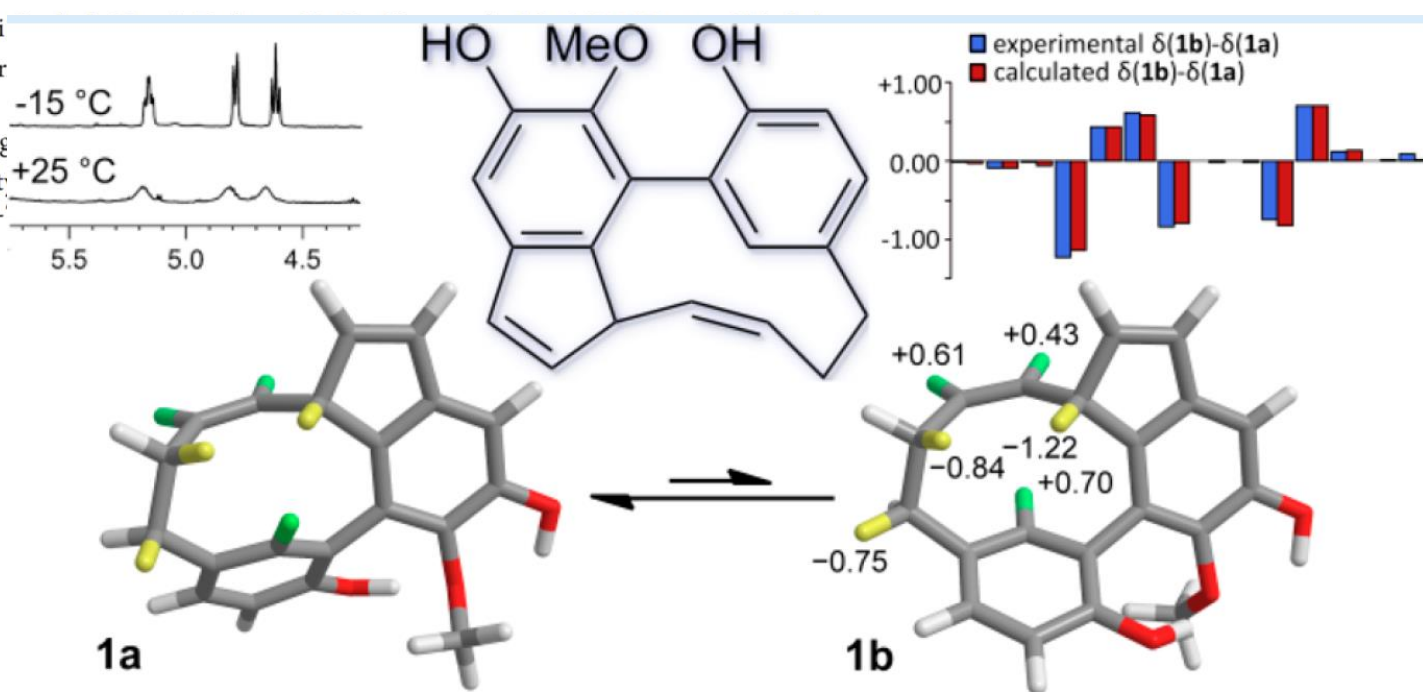
Laura Grauso,^{†,⊥} Yan Li,^{‡,⊥} Silvia Scarpato,[§] Oleksandr Shulha,[‡] Lucie Rárová,^{||} Miroslav Strnad,^{||} Roberta Teta,[§] Alfonso Mangoni,^{*,§,⊥} and Christian Zidorn^{*,‡}

[†]Dipartimento di Agraria, Università degli

[‡]Pharmazeutisches Institut, Abteilung Phar
Kiel, Germany

[§]Dipartimento di Farmacia, Università degli

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Academy of Sciences, Šlechtitelů 27, CZ-



Altitudinal Variation

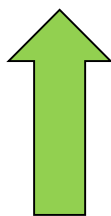
high UV

- antioxidative and radical scavenging compounds

- UV-B protective compounds

For example

- anthocyanins
- ascorbic acid
- carotenes
- flavonoids
- glutathion
- phenolic acids



low temperatures

- allelopathic compounds

- anti-herbivory substances

For example

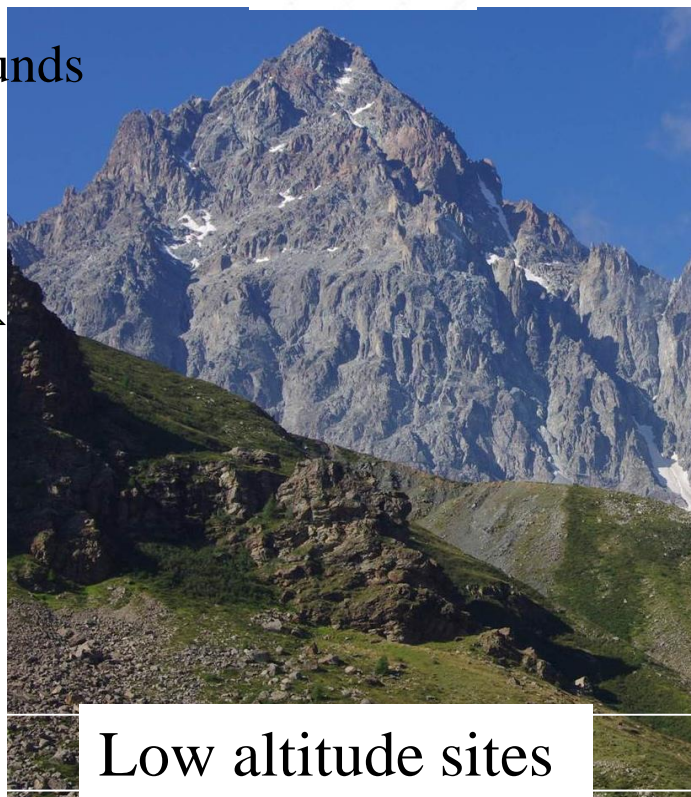
- alkaloids
- iridoids
- polyacetylenes
- sesquiterpene lactones



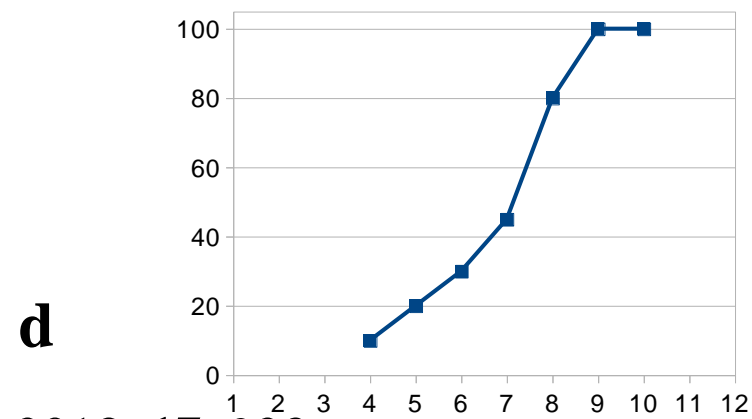
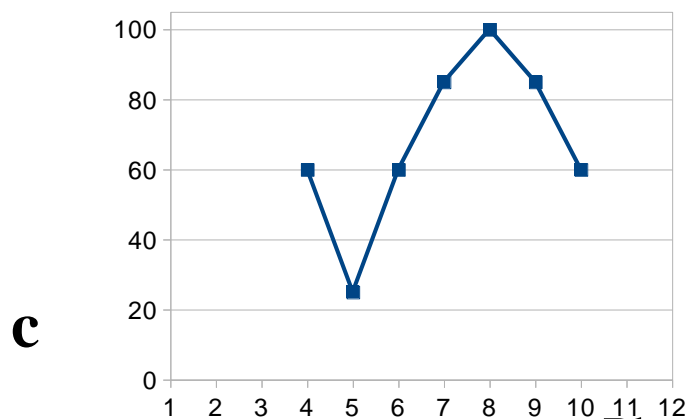
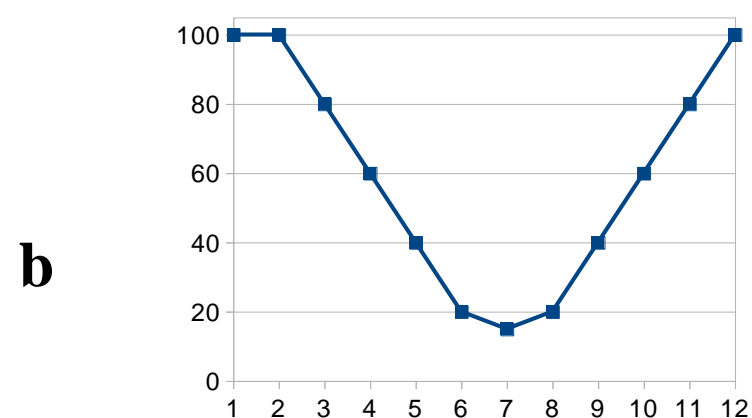
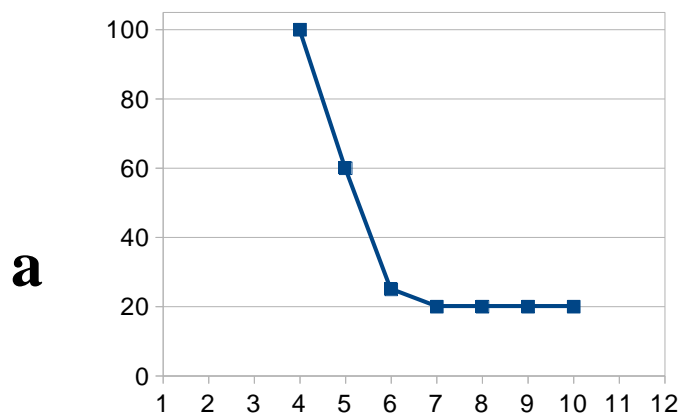
low UV

Low altitude sites

high temperatures



Seasonal trends of natural products in European tree species



Output PAPRIKANET.IT

- Meetings between partners and specific meetings at the request of the companies
- 250 email newsletters
- Logo design and creation
- Website design and development (www.paprikanet.it)
- Creation of social accounts
- Publications for the dissemination of scientific research results
- Joint meeting with MEPLASUS project



**Plant Active Products:
Research, Innovation and Knowledge Advancements
through an International NETWORK**

WebSite

Paprikanet

Home



Plant Active Products: Research, Innovation and Knowledge

<http://www.paprikanet.it/>





Panel discussion



SIF: Società Italiana di Fitochimica



SOCIETÀ ITALIANA DI FITOCHEMICA
E DELLE SCIENZE DELLE PIANTE MEDICINALI, ALIMENTARI E DA PROFUMO



**1° Congresso intersocietà sui prodotti vegetali per la salute:
Il ruolo delle piante medicinali nella medicina moderna**



Dipartimento di Scienze del Farmaco
Padova, 15-17 Giugno 2023



ISSNP

INTERNATIONAL SUMMER SCHOOL ON NATURAL PRODUCTS (ISSNP)
V EDITION
SEE YOU IN MARATEA (Pz) – ITALY
2-7 JULY 2023

These Speakers have already joined

Vitor Vasconcelos University of Porto	Helder Santos University of Groningen	Ida Chiara Guerrero INSERM-Platform Proteomique	Tobias Gulder Technical University of Munich
Stefano Cinti University of Naples "Federico II"	Vincenzo Cerullo University of Helsinki	Gerardo Della Sala Stazione Zoologica Anton Dohrn	

A wise man turns chance into good fortune

Cit. Thomas Fuller



PAPRIKANET.IT = OUR CHANCE

