

Evidence based design and production of functional foods (medicinal)

Summary

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|--|--|------------------------|
| Profile type | Company's country | POD reference |
| Technology offer | Greece | TOGR20241030005 |
| Profile status | Type of partnership | Targeted countries |
| PUBLISHED | Investment agreement Research and development cooperation agreement | • World |
| Contact Person | Term of validity | Last update |
| <u>Giovanni CHIACCHIO</u> | 30 Oct 2024 30 Oct 2025 | 30 Oct 2024 |

General Information

Short summary

The company deals with the study and installation of innovative methodologies in the processing of agricultural products, the recovery of bio-functional ingredients from by-products of the food industry and chemically pure methodologies, the research and development of foods with nutrition or health claims. It researches and utilizes biologically active ingredients with controlled release systems for the development of innovative foods (Novel Foods).

Full description

The company boosts the primary production and manufacturing activity of regional food and cosmetics industries, mainly through enhancing the sustainability and integration of these industries into the circular economy, leading to an increase in their extroversion and offering consumers functional products with scientifically proven (evidence based) beneficial effects on their health.

The current needs of both consumers and industries, as dictated by today's global imperatives, require direct and flexible cooperation between industries and research institutions. However, this cooperation is hampered by obstacles (attitudes, inflexible financial instruments, lack of R&D in industry, lack of human resources, etc.), so that while the potential for promoting innovation exists, it is very slow to take off.

Therefore, the company has as its services the development, pilot manufacturing and analysis of novel, functional foods, food-pharmaceuticals and ingredients targeting specific and scientifically proven nutrition and health claims of finished products. By-products of food processing will be used as raw materials, thus further highlighting the

biodiversity of Greek flora and fauna.

Advantages and innovations

The company comes to provide a solution to overcome obstacles to the transfer of knowledge from universities to the labour market by leveraging the know-how and experience of its partners by offering turn key solutions, in a short period of time, starting from the design of new products and components tailored to customer needs, to pilot production, transfer of know-how to industrial scale and product validation to meet legal requirements, acting as a bridge between research institutions and the private sector.

Technical specification or expertise sought

Stage of development

Already on the market

IPR Status

No IPR applied

IPR Notes

Sustainable Development goals

- **Goal 12: Responsible Consumption and Production**
- **Goal 3: Good Health and Well-being**
- **Goal 9: Industry, Innovation and Infrastructure**

Partner Sought

Expected role of the partner

1. Research and development in the field of artificial intelligence (AI co-pilot). The co-pilot will contribute to the development of optimized recipes and operational conditions in order to meet high quality standards regardless the variability of the raw material
2. Investors to fund the industrial scale of our product portfolio, based on nano-structured bioactive substances isolated with green technologies from regional raw materials and/or byproducts thereof

Type of partnership

Type and size of the partner

Investment agreement

Research and development cooperation agreement

• **Big company**

• **SME 50 - 249**

• **SME 11-49**

Dissemination

Technology keywords

- **05001001 - Analytical Chemistry**
- **06004 - Micro- and Nanotechnology related to Biological sciences**
- **05001004 - Organic Chemistry**
- **07001010 - Micro- and Nanotechnology related to agriculture**
- **08003 - Micro- and Nanotechnology related to agrofood**

Targeted countries

- **World**

Market keywords

- **05008002 - Food and feed ingredients**
- **07003002 - Health food**
- **05009001 - Food & feed ingredients**

Sector groups involved

- **Agri-Food**
- **Health**