

The innovative proposition

to attract investors and buyers

1. Name of innovation

DEVELOPMENT OF TECHNOLOGIES OF EXTRACTS FROM PLANT RAW MATERIAL

2. Intellectual Property

Select the appropriate position, put the mark «+». Write relevant information.

<input type="checkbox"/>	Patented Innovation	countries: <u>Ukraine</u>
<input type="checkbox"/>	Filed for a patent	countries: _____
<input type="checkbox"/>	License agreement or Exclusive rights.	Exclusive rights _____
<input type="checkbox"/>	Other (specify) _____	_____

3. Type of innovation

Select the icon by replacing from "-" to "+"

+	Product
+	Technology

+	Result of R&D
	Other (discussed separately)

4. Areas of innovation

Select one or more applications innovation by replacing from "-" to "+" .

	Automobiles, transport and logistics
+	Agriculture and food technology
	Aerial and space technology
	Biochemical technology
	Building
	Military Industrial and Safety
	Energy and Energy Saving
	IT-technology, ICT industry and services
	Light industry
	Marine industry and services
	Environment
	Nano- and Micro Technology
	New materials
+	Medicine and Health
	Creative industry
	Tourism and cultural heritage
	Other. (Please specify below the scope)

5. Novelty

What does innovation superior (in digits or qualitatively) already existing? (The answer should be clear and concise - three main arguments in support of the use of promising innovations in domestic and/or foreign markets)

In plant material, many useful substances, which are found in equal, and sometimes in higher concentrations than in the used drugs. Vegetable extracts from such raw materials are unique complexes of vitamins, macro and microelements, which since ancient times have been developed for treatment of people from many diseases, and also as a preventive and healing remedy. Phytoconcentrates play a decisive role in adapting the organism to the adverse effects of the environment, in strengthening the health and harmonious development of people.

The possibility of using electromagnetic radiation during extraction of plant material, which is a promising direction, is studied, since its application allows not only to increase the efficiency of the process, to reduce the dimensional characteristics of the equipment and to reduce the amount of electric energy consumption, but also to improve the quality of the product obtained by inactivating the oxidative enzymes in plant tissues, reducing the amount of microflora.

3 patents of Ukraine were received for utility model.

On the basis of plant material, samples of phytoconcentrates were developed. The method allows you to extract extracts with a concentration of dry substances of 80% and even higher. The recipes and technologies of beverage based on plant extracts have been developed. The biological activity of the drinks obtained is 147-187. but with concentrated extracts up to 14,000. unit

The obtained phytoconcentrates can be introduced at catering enterprises as a component of dishes and beverages, as well as industrial enterprises producing extracts from plant raw materials.

The study of organoleptic and physico-chemical parameters of all developed product samples was conducted. Technical documentation received - TI and TU and temporary technological cards.

6. Stage of Innovation

What is innovation's stage of development? Select the icon by replacing from "-" to "+"

-	The concept, proof of concept
-	The prototype, which tested and available for demonstration
+	The technologies for small-scale production
+	The technology is ready for industrial application
-	Commercialized

7. The presentation innovations

Select one or more forms by replacing badge from «-» to «+»

-	The demonstration model
+	Multimedia presentation
-	Report

8. Information about the participants, which apply innovation

	<i>If innovation is filed away</i>
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