

LOCAL FUND "SCIENCE - TECHNOLOGICAL PARK" Minsk, Belarus

HEALTH STRENGTHENING DRINKS



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FUNCTIONAL FOODS

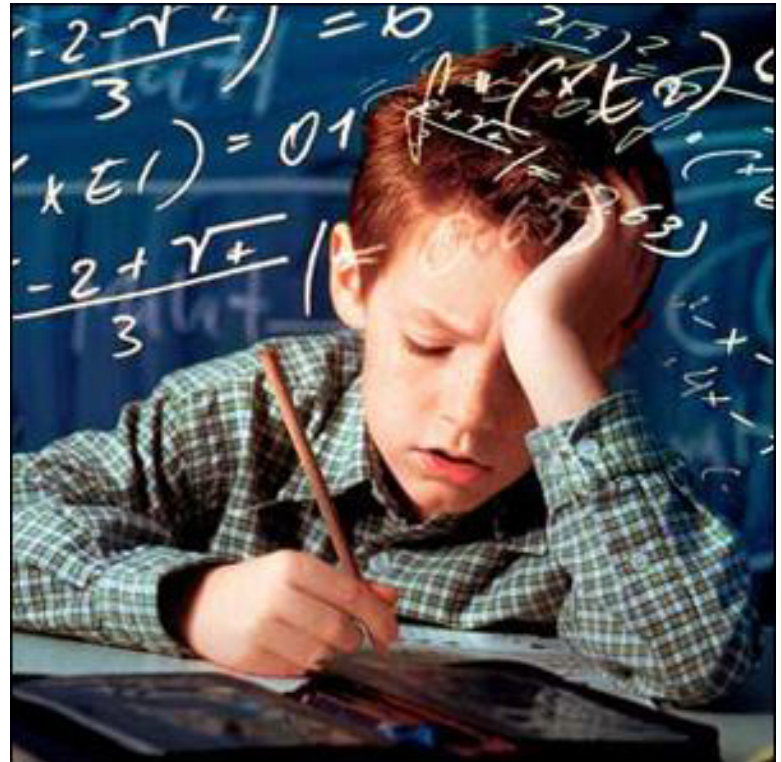
- Technopark BSU organizes and coordinates the work of various scientific and industrial organizations of Belarus in order to implement cooperation projects
- **Projects purpose:** creating a line of food products with preventive properties



A DEFICIENCY OF VITAMINS, MINERALS, DIETARY FIBERS, EMOTIONAL STRESS, INCREASED LOAD => **CHRONIC FATIGUE SYNDROME (CFS)**

CFS (manifestation):

- prolonged fatigue
- muscular discomfort
- fever
- painful lymph nodes
- arthralgia
- loss of memory
- depression



DIET OF SCHOOL CHILDREN AND STUDENTS

○ A healthy diet:



• Real situation:



METHODS OF CFS TREATMENT

Drug therapy:

- antimicrobial,
- anti-inflammatory drugs,
- antihistamine drugs,
- antidepressant medication
- etc.

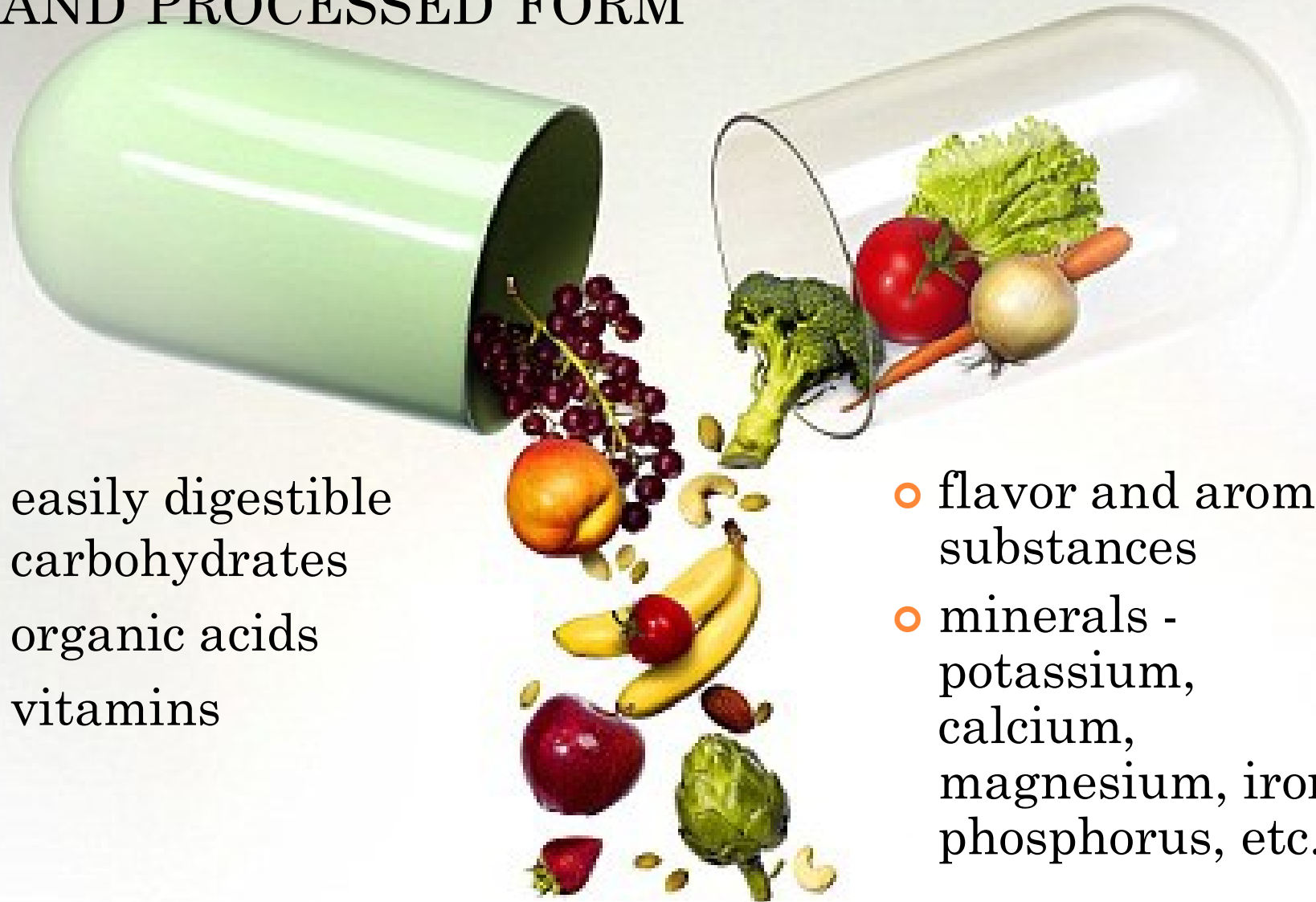


Herbal preparations based on plant extracts:

- supplements containing vitamins B6, B12, folic acid, ginseng extracts, Echinacea purpurea (USA)



EXCLUSIVE ROLE IN HUMAN NUTRITION BELONGS TO FRUITS AND BERRIES IN FRESH AND PROCESSED FORM



- easily digestible carbohydrates
- organic acids
- vitamins

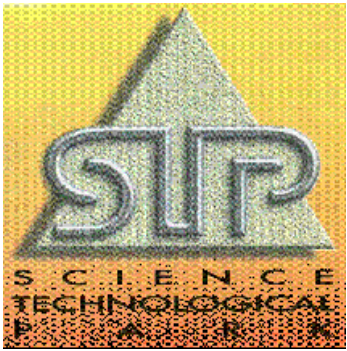
- flavor and aroma substances
- minerals - potassium, calcium, magnesium, iron, phosphorus, etc.



Functional significance of herbal powders is confirmed by the fact that they contain a set of materials adapted to the metabolic processes in the human body, and therefore cases of intolerance and allergic complications are almost always excluded

Components of biologically active substances of herbal powders do not accumulate in the human body, and therefore their dose of exposure should not be regulated





Science and
Technology Park
of BSU



SPUP
Unitechprom BSU

Jointly develop:

COMPLEX HEALTH-IMPROVING MIXTURES

- based on disintegrated plant material, containing in the structure vitamin-mineral supplements, amino acids, dietary fibers, making up for a deficit of vital components



THE TASK OF THE REPUBLICAN PROGRAM “FOOD FOR CHILDREN ” FOR 2011-2015.

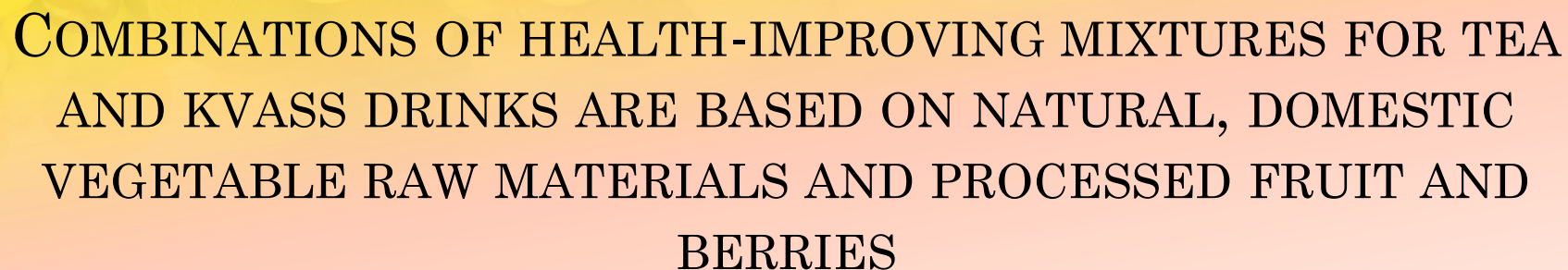
Development and research of science-based formulations combined series of functional drinks tonic properties, intended for children of secondary school age and students



LINE OF FUNCTIONAL FOOD IN DEVELOPMENT:

- 1) dry teas for a single wedding and catering establishments;
- 2) dry kvass drinks;
- 3) bottled tea drinks and kvass





COMBINATIONS OF HEALTH-IMPROVING MIXTURES FOR TEA AND KVASS DRINKS ARE BASED ON NATURAL, DOMESTIC VEGETABLE RAW MATERIALS AND PROCESSED FRUIT AND BERRIES

- ❖ powder of dried apple and / or apple pomace,
- ❖ powder of dried beetroots,
- ❖ powder of dried carrots,
- ❖ cinnamon,

- ❖ sweet grass,
- ❖ peppermint,
- ❖ melissa,
- ❖ black currant (berries)
- ❖ blueberry (berries)

- ❖ nutmeg
- ❖ cumin,
- ❖ ginger,
- ❖ cloves,
- ❖ oregano,

- ❖ daisy flowers,
- ❖ black tea,
- ❖ green tea
- ❖ hibiscus tea
- ❖ etc.





HEALTH-IMPROVING MIXTURES ALSO CONTAIN:

- - rye malt (fermented),
- - vitamins B (B6, folic acid), vitamin PP;
- - organic acids (ascorbic acid, succinic acid, citric acid);
- - insoluble dietary fibers (inulin, pectin);
- - vital trace elements;
- - isotonic solutions.



HEALTH-IMPROVING DRINKS OF COMBINED STRUCTURE – PREVENTIVE PRODUCTS OF POLYFUNCTIONAL PROFILE

- - With significant biological values and familiar organoleptic characteristics;
- - With a high concentration of natural vitamin-mineral complexes, and other biologically active substances;
- - Adapted to the needs of the growing organism in conditions of deficiency of macro- and micronutrients;
- - With a maximum degree of assimilation.



Important properties of health-improving drinks:

Consuming such drinks leads to:

- no dependency syndrome
- no withdrawal

These drinks:

- are involved in the regulation and improving the protective biological mechanisms of the body
- increase endurance
- protect against certain diseases or warn them
- improve psychological and psychosomatic condition





Products of this kind are necessary for many groups of population:

- especially for school children and students,
- for people engaged in heavy mental or physical work, requiring a lot of energy,
- as well as for those living in ecologically unfavorable regions.





THANK YOU FOR YOUR ATTENTION!!!

