

NEW PHYTOGENOUS PRODUCTIONS FROM WILD-GROWING FLORA OF AZERBAIJAN

Description

Original aromatic compositions from essential oils and extracts of some insufficiently known plant species *Pimpinella*, *Chaerophyllum*, *Achillea*, *Satureja*, *Ziziphora* genus from flora of Azerbaijan are prepared for production of:

1. Composition of medical teas with anti-inflammatory, styptic, immunostimulating, antitumoral, radioprotective, wound healing, expectorative, antihelminthic and diuretic actions;

2. Medical-cosmetic lotions and creams possessing anti-inflammatory and softening properties; antipigmentary and bleaching effect and delicate aroma;

3. Food products (fruit-drop caramels, liquor in chocolate, soft drinks and vegetable marinades) having new taste, delicate aroma and enough long shelf life, at the same time with medical effect. Soft drinks prepared in 1986 still remains transparent and without precipitation.

Innovative Aspects and Main Advantages

For the first time the area, natural resources, features of ontogenesis and introduction, and also essential-oily, antimicrobial, medical and aromatic properties of spice-aromatic and medicinal plant species from flora of Azerbaijan has been studied. The investigated species have wide natural resources in the republic and could be used as aromatizers and antioxidants in food as well as in perfumery-cosmetic and in a pharmaceutical industry. For conservation of genofond the investigations on introduction of these species were carried out for the first time to recommend them for cultivation.

Areas of application

Investigated plant species can be widely used in the:

- perfumery-cosmetic (creams, lotions, soaps);
- food industry (caramels, soft drinks, marinades);
- pharmaceutical industry (essential oils, extracts, tea).



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Fig. 1. Some plant species used for new phytogenous production: (1) *Pimpinella peregina* L.; (2) *Achillea nobilis* L.; (3) *Mentha longifolia* (L.) Huds; (4) *Ziziphora serpyllacea* Bieb.

Stage of development

Test certificates were obtained as a result of testing of separate essential oils and their composition in Baku Caramel Factory and PA "BakBeer", also using the above-ground parts of plants for aromatization of vegetable marinades in Zakatala Nut Factory.

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