

## **ZIRCONIA IN THE FOOD INDUSTRY AND HUMAN PRACTICAL IMPORTANCE FOR HEALTH**

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**Abstract:** The fruits of the plant are widely used as a spice. Jam is made from its fruits. The plant is also of great importance in the dyeing industry. Its roots and bark are used to produce yellow dye for dyeing wool. The red color of the fruit is a good dye for dyeing woolen fabrics. In medicine, medicines made from the plant are used in diseases associated with inflammation of the gallbladder, as a pain reliever when there are stones in it. An alcoholic mixture prepared on the basis of the leaves of the plant, in addition to being a hemostatic and anti-inflammatory remedy, also constricts blood vessels, accelerates the pulse, increases bile secretion, and contracts the muscles of the uterus. Studies also confirm the effectiveness of the plant in reducing cholesterol, normalizing blood pressure, and improving digestion.

**Key words:** alkaloids, carotenoids, xanthophyll, lutein, chrysanthemumxanthin, zeaxanthin, auroxanthin, flavoxanthin

**Introduction.** Black barberry ( *Barbaris oblong* – *Berberis oblonga* Sehneid , Karakand ) – barberry to the family belonging and up to 4 meters tall sufficient hornbill bush Plant old branches gray , young branches and brown will be . Thorns three lobed . Leaves reverse egg-shaped , oblong , imbricate , margins a little gear or flat , their length 2-6 cm will be . Flowers yellow in color is a flower , a flower branched , ovate . Fruit dark purple in color , elliptical to look has. The plant blooms in May . blooms in June-July ripens .



Picture 1. Black antler of the tree development Phase 2. Black Zirk of the tree flowering phase Plant old branches gray , young branches and brown will be . Thorns three lobed . Leaves reverse egg-shaped , oblong , imbricate , margins a little gear or flat , their length 2-6 cm will be . Flowers yellow in color is a flower , a flower branched , ovate . Fruit dark purple in color , elliptical to look has. The plant blooms in May . flowering , June-July in the months ripens .

In Uzbekistan natural without growing 12 types of armor record They are made of sea 1800 m above sea level grows . Wild in the state earrings Europe , Central Asia and Far East in the regions wide spread .

Blackbeard natural without Tashkent , Samarkand , Surkhandarya , Kashkadarya , regions mountainous in the areas , along the streams ball-ball become grows .

Zirk's Kashgar , Bergen , Red , Button , Karakand such as types occurs .

Black antler fruits contains vitamin C (250 mg), organic acids ( apple acid , citric acid , tartrate ), cholinesterase substances , sugar , mineral salts and other There are substances in the plant .

unripe fruits , leaves , roots , and in their bark berberine , oxyxanthin , berbamine , leonthin alkaloids available . To the harvest entered during leaves contains vitamin E ( tocopherol ), ester oils will be .

Zirk's health for useful blessing that very ancient from the times known . Assyria horn Ashurbanipal personal in the reading room preserved , 2670 years ago , pottery to the boards written to books according to , according to *Blood cleaner* factor as appreciated . His healer from the characteristics ancient [Egypt](#) , [India](#) doctors used

[Abu Ali ibn Sina](#) the ring thirsty leaving , heart power giving , and liver to diseases treatment as used .

Black antler fruits people in medicine nerve activity sluggish , gastrointestinal , jaundice diseases , sadness in treatment is used . From outside from it the temperature appetite suppressant arousal , fire driver , inflammation against tool It is also used as a noun . in medicine jewelry from the root prepared decoction ( bark) when separated ) malaria and toad treatment This is a decoction . people in the language *soup* called a *zirk* , and its liquefied with mouth space in diseases shake recommendation is being done .

Plant of leaves juicy tincture malaria complication was divorce in the tumor and liver in diseases if used , root of bark tincture gallstone , jaundice , kidney pain , like a toad diseases in treatment is used .

In pharmaceuticals application . Scientific in medicine , from zinc prepared medicines grass bubble cold with related was in diseases , when there are stones in it harvest divider to pains lightness giver factor as Used . Zirka leaves based on prepared alcoholic mixture blood to stop , to inflammation against treatment to be with together blood veins narrows , vein to beat accelerates , accelerates divorce strengthens the uterus muscles shortens .

Siberia sly root juice water with mixed liquid when prepared , blood pressure reducing medicine is taken . To say that necessary , in medicine dangerous tumors in treatment used Zdrenko collection to the medicine jewelry of the plant root basis become service does .

Some people jewelry to the fruits allergic reaction to give possible . Excessive consumption to do diarrhea and to the stomach pain to bring possible . Any plant like , its the impact is individual If a person has low blood pressure pressure if so , be careful to be need .

In industry Uses : Zirka fruits spice as wide in scope is used . Its from the fruits jam is prepared . Plant painting also big in the industry importance has . His root and from the body wool painting for yellow paint is taken . In the fruit and red wool fabrics painting for good tool is considered . Zirk's stem hungry yellow in color very , very solid , sturdy . Indian carpenters from it elegant items and furniture in making They use it . In the flowers of the zirk honey juice there are , they are from oneself many nectar separates , especially warm and wet in the air taken honey fragrant It will be . Zirk is beautiful. plant It is also valued as .



Figure 3. The trunk of a cypress tree fruit tincture and dried shape

Fruit – low nutrition to the power has was diet product . It has 29 kcal per 100 g . There is power . Fruit in the composition carotenoids ( xanthophyll , lutein , chrysanthexanthin , zeaxanthin , auroxanthin , flavoxanthin) capsanthin etc. ), carbohydrates , aromatic and pectin substances , organic acids , macro - and microelements, E and vitamin C and beta- carotene There are substances .

Beautiful apparently outside jewelry healer It also has the following characteristics : In Greece from it blood cleaning tool as used in medicine jewelry human youth extending natural It is also widely used in our country . consumption as stem , root , body and bark blood flow in stopping , various kind cold diseases in treatment used .

Fruit juice the heat to drop , germs kill , blood to leave stop to the features has. It consumption to do also the organism cleansing , toxins remove send , aging process slow down recommended for the purposes of It is used in liver diseases , rheumatism , and urinary roads and kidney from a cold finished to be for the purpose new ripe jewelry fruit to the food adding consumption to do necessary will be .

In the circle grass driving to the feature has was berberine contains alkaloids . This substance also , alcohol drink and from boredom escape on the way entered help people too In pharmacies berberine named medicine is sold , it from the gun separate removable from the substance This medicine is prepared grass in the bag appearance the stone that was cholecystitis in treatment is used .

Italian scientists doctors with in cooperation berberine malaria disease with aching , kidneys swollen to people in practice example no healer tool that Indian doctors have identified heavy contagious leishmaniasis illness in treatment from berberine they use .

Harmful bad swellings in treatment in the composition jewelry fruit was special herbs complex recommendation is used . Ginger root bark cholecystitis , jaundice sick intensification , fire bladder stone disease in treatment to be prepared called cholelithin medicine to the composition In China jewelry plant body bark eye cold in treatment uses , root from the bark breath their ways to open , to open wounds graduation and cancer disease in treatment they use .

Bulgarians jewelry bark radiculitis and kidney diseases in treatment In Poland from the gun hypovitaminosis (vitamin deficiency ) disease in treatment use . Germans the ring stomach intestine paths , mouth cavity , lung vices in treatment tincture as In France jewelry bactericidal , hypotensive and malaria against tool as recommendation is being done .

Cooked fruits and from the leaves very nice and useful tea rich in vitamins It is possible . It is very easy is prepared , this for his/her from the fruit and 1 teaspoon of leaves taken , their 1 cup of water boiling water pour , one hour slowly This tea is made with two week during per day three times positive to the result until you reach It is drunk .

Eye colds , eczema , wounds this boil with wash or then wet fabric sick to a member to put positive result It is useful in arthritis , rheumatism , radiculitis , foot muscles in case of injury , osteochondrosis cold recipient and pain lever tool as this plant decoction is drunk , with it wet gauze sick to a member is put on , compress will be done .

Ginger root and leaves decoction : crushed chopped root and 1 tbsp of leaves spoon take it , add 1 cup water pour , 1 minute during boiled and 30 minutes is being woven , woven is carried out . Ingestion 1 hour after eating 1 tbsp before spoon It is drunk .

Ginger root decoction ( applied ): 1-2 tbsp spoon chopped root over half liter water poured , 1 minute boil , 1 hour during is being read . Above counting passed in diseases in the boil wet gauze sick to a member is put on , compress will be done .

Zircon consumption to do to women climax and eye from the crack next chill in the days , muscles activity increase in consideration pregnant and breastfeeding women too consumption to do recommendation not done .

Grass bladder stone, liver cirrhosis , jaundice in illness , it consumption to do dislike some personal cases , also up to 12 years old incomplete children consumption to do village not given . Also, this knowing to put It is necessary to have a ring . still ripening immature blue fruit poisonous since it was him/her consumption to do never possible it's not .

To conclude this article, the fenugreek plant is very beneficial for human health. It has properties such as strengthening immunity, supporting the cardiovascular system, and reducing inflammatory processes. The fruit of the fenugreek plant is widely used in food and pilaf preparation because it gives a spicy aroma.

***Used literature***

1. ACYuldashev, Sh.J.Tojiboyev , AAImirsinova , MUTojiboyev . Geobotany basics .
2. CMMustafayev, O'. A. Akhmedov , MS Mustafayeva, MTYulchiyeva . Botany. Tashkent-2012
3. Asqarov.IR, 2019, “ Treatment dictionary ” Tashkent, “Mumtoz so'z ” 595 p 4. Chemistry vegetable Syria , No. 3, page 140
5. Primenenia beta-carotene and dermatology , immunopathology, allergology, infectology. #3. p. 21
6. Immunotropic activity of the natural carnitine- tocopherol complex: Autoref . teeth sugar Med. science Moscow., str.25 13. Danilycheva I. V. 1997.
7. The chemical composition of zinc and its role in folk medicine, Folk Medicine Plus, No. 1 (10) 35 p