

## Effect of *Falcaria vulgaris* in Wound Healing and Immune Response of Common Carp (*Cyprinus carpio*)

**Authors :** N. Choobkar, M. Rezaeimanesh, A. M. Emami Rad, M. Ghaeni, H. Norouzi, S. Pahlavani, M. S. Tamasoki, E. Nezafatian

**Abstract :** Antibiotics are used to increase the immune and wound healing in many animals . But due to the residual effects of a drug , researchers sought to replace them with natural materials such as Plant extracts. *Falcaria vulgaris* is the most attractive sources of the new drugs. *Falcaria vulgaris* (locally named Ghazzyaghi/Poghazeh) is a member of Umbelliferae family which grows near farmlands and is consumed as a vegetable in some regions of Iran. In the West of the country, in the wound healing and irregularities in the digestive system is also used. There were no scientific reports available in literature in support of the traditional claims of *F. vulgaris* in fish. The present study is therefore an attempt to assess the efficacy of this indigenous herb for its healing effect in common carp (*Cyprinus carpio*). *Falcaria vulgaris* at concentrations of 0, 2 and 10 % with Lophag foods used on wound healing of common carp and immune response, and weight grow and survival during periods of 21 days with feeding 2 times per day on the basis of body weight. The results showed that, compared with the control group, using of concentration 10 % *F. vulgaris* have significant effect on wound healing and stimulates the immune system by increasing white blood cells (WBC) and weight grow and survival of carp. The herb can used in wound healing, increased resistance to disease and weight grow in fish and the beneficial effects of this combination goes back to man.

**Keywords :** common carp, *falcaria vulgaris*, immune response, wound healing

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