

## Study of environmental fish carcinogens

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**Abstract:** The importance of fish oncology is not only related to effects of tumours on fish but also for understanding of neoplasm formation and assessing of chemical carcinogenic ability as one of the best animal models. There are different etiologies for fish tumours such as some viruses, chemical agents, heritage properties and rays. Nowadays, with increasing in population and environmental pollutions due to industries wastewater and cities sewages, nature and animal are affected the same as human. Fish is one of the most important animals which are affected from pollutions because of their special life conditions. The most important effect of these pollutions on fish is neoplasm. The aim of this study was surveying of the most important environmental carcinogens in fish. Based on this study, Industrial pollutions and petroleum industries wastewater and sugarcane farm wastewater are the most toxic agents and carcinogenic for fish. Also skin, fins and gill epithelium, liver and kidney are the most affected tissues from these agents.

**Key words:** Oncology, carcinogen, industries, wastewater, sewages