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## Save Panchganga River Campaign: A Sociological Study

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### **Abstract:**

*Global pollution is a serious problem. Pollution can spread to nearby areas where no one lives, despite the fact that in rural and urban areas are more polluted than the other countryside. Air pollution, water pollution, and land pollution are the three main categories of pollution. Some contaminated water has a terrible smell, a muddy view, and floating garbage. Some contaminated water looks clean, but it has also dangerous substances that you can't see or smell. The developed and developing nations must try to save the natural environment for present and future human being. Today, we study deep into the Water Pollution.*

*River and riverside area is the most impactable area for pollution. The water is the unbeatable thing in our life. Most of the rivers are polluted. It affects the health of human beings in that area.*

*So there is a need to take action to save human life. There should be campaigning in areas and nearby villages, districts.*

*For these I have chosen the panchganga river campaign. There are 5 rivers connected to the panchganga. And there is the detailed study of reasons of campaign, reasons of pollution, needs of actions to be taken in during campaign to save the panchganga.*

*There are many reasons that come up behind the pollution of rivers and the dangerous health situation of human beings.*

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**Keywords: Panchganga river, Riverside, pollution, human beings, health, campaign.**

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Global pollution is a serious problem. Pollution can spread to nearby areas where no one lives, despite the fact that in rural and urban areas are more polluted than the other countryside. Air pollution, water pollution, and land pollution are the three main categories of pollution. Some contaminated water has a terrible smell, a muddy view, and floating

garbage. Some contaminated water looks clean, but it has also dangerous substances that you can't see or smell. The developed and developing nations must try to save the natural environment for present and future human being. Today, we study deep into the Water Pollution.

River Water pollution is the serious problem in the world. Riverside water is polluted because of urbanization, industrialization and many more activities. The urban and rural life is very strong reason behind this pollution of riversides. There is unbeatable use of river water in rural areas. So that the result fails into the water pollution. The industrialization, civilization are the reasons for water pollution of river. The river and riverside water area are the reasons for waterborne diseases. Due to industrialization, there is increase in polluted areas near riverside. This is the reason behind choosing panchganga riverside for the study of pollution. There is the study of reasons, solutions to pollution of riverside area in this research.

Pollution is the unavoidable problem and it is a moderabaly ongoing improvement in the planet's history. In the Nineteenth century Industrial growth, individuals lived with unity with their environment. As industrial area has spreading in faster quantity, the problems of pollution has spread with it. Water is normally known to as contaminated when it is hindered by anthropogenic contaminants. Because of these dangerous to health contaminants, it either doesn't useful for a human use. The drinking water, Water is one of the assets basic for continuing all types of life. It is difficult to fill in for the large majority of its uses, difficult to de-polluted, costly to transport. Water is really a unique gift to human from nature.

### **What is Water Pollution?**

Water pollution occurs when pollutants pollute water sources and make the water unfit for daily use in drinking, cleaning, swimming, and other human being and industrial and farming activities. The different types of Chemicals, garbage, bacteria are examples of pollutants. Water is eventually damaged by all types of pollution. Like the river there is Lakes and oceans also contaminated by air pollution. Land contamination may contaminate a river, and ultimately the ocean. There is the trash thrown on an empty riverside lot can eventually contaminate a water source. Such types of pollution affect human beings' health in a dangerous way.

### **The reasons for water (river) pollution:**

The toxic water which can't be used for daily use or for drinking purposes by human beings.

There are different reasons for water pollution. Some reasons are directly affected by water pollution and some indirectly. Industrialization and industries are dumping contaminated water, chemicals, and heavy metals into water as a result of water pollution. There is also a reason for water pollution is the use of modernization in farms. Farmers use and apply nutrients such as phosphorus, nitrogen, and potassium in the form of chemical fertilizers. It causes farms to discharge large quantities of agrochemicals and saline drainage into water bodies. It indirectly helps to water pollution. Pollutants are different types such as organic, inorganic, radioactive etc.

Water pollutants are discharged either from various other sources like agricultural areas, industries etc., called dispersed sources.

1. **Decreasement of forest**

Deforestation can exhaust water resources.

2. **Pesticides in agricultural industrialisation**

The industrial development and chemical in agricultural resources can create more polluted water.

3. **Sewage dumping near riverside**

Dumping sewage near riverside fails to river pollution.

4. **Plastic pollution**

The plastic wastage from daily use can cause to pollution in river.

5. **Solid waste**

When solid waste goes up to the river side through untreated sewage, improper waste management causes water pollution.

**Panchaganga River :**

Panchaganga river is an important river which is located in Kolhapur district, Maharashtra. It has flows of five rivers so that it is named as Panchanga. Panchaganga river starts from Prayag Sangam. The 5 tributary rivers of panchganga river are kasari river, kumbhi river, tulsi river, bhogawati river and saraswati river. Panchganga river is known as the lifeline of Kolhapur district. The river bank on the west end of the panchganga river is known as panchganga ghat. The mouth of panchganga river starts

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from the nrusinhawadi (krishna river). Panchaganga receives water from her 4 tributaries. She has the largest water flow from the received tributaries. Panchganga flows from Kolhapur and bends towards 30 miles at kurundwad. There is only one major stream known as hatkanangle. There are remarkable curvy points in panchganga itself.

**Reasons behind panchanganga pollution:**

Panchganga river has the biggest polluted area due to various reasons. There is increased algae in the river. It is observed that, in the winter season waterfowl grows rapidly. Year by year the water leaf has started to appear in places but in a scattered form in the riverbed. There is a need for an eradication campaign nowadays.

Panchganga valley is known as most fertile of hay in kolhapur. The river bed of panchganga is shallow. The water of this river get used for sugarcane cultivation. Panchagangariver is lifeline for kolhapur, ichalkaranji and nearby cities.it is a primary river in kolhapur district.

The basin of panchganga river covers nearby 33% of the district area.

- Improper sewage management
- Likage of domestic drainage water
- Increase in demand of water because of population growth
- The growth of sugar industries
- The negative impact of textile industrial area
- Increase in agricultural usage of river water

**Solutions to decrease Panchaganga river pollution:**

The solution to prevent river pollution is to stop it at the source. There are so many solutions in reducing river water pollution such as wastewater treatments, storm water management, and water conservation.

**Wastewater management:**

There should be the management before allow water to throw towards the riversides. There should be biological and other polluted factors removed from waste water.

**Save water:**

The water should be used in limit. So that there can be less prevention of flow of water in riverside area. There can be less wastage helps to low drainage flow.

**Plastic garbage management:**

The industry area near river should take care of less plastic throw activities near riverside. The plastic should be processed or recycled.

**No oil no grease pouring:**

There should be no oil or grease pour from the home drainage or from day-to-day human being daily routine things.

**less use of dangerous fertilizer in agricultural industry near Riverside areas:**

There should be as possible as less use of chemical and dangerous fertilizer in agricultural areas.

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