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**Title : CORN COB FILTRATION**

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**ABSTRACT**

Our main aim behind this research is to identify the problems faced by the people leading modern unsustainable lifestyles based on overconsumption and wastage. Hence we decided to work on the filtration of greywater, a major problem in our area of research, Punjabi Bagh using a sustainable method. Our research landed on corn cobs which are an agricultural waste and are low cost. Hence, filtration of greywater using corn cobs was chosen as our project idea.

1. **Objectives**- Cheap method of adsorption of contaminants, colour dyes andsuspended particles from domestic waste water and effluents by corn cobs
2. **Methodology**- Corn cobs were taken and sun dried to form activated charcoal. The greywater was passed through different layers of corn cobs to obtain potable water.
3. **Observations**-The treated water was found to be potable after treatment.
4. **Conclusion**- It separates more than 70-80 % of contaminants including suspended particles from the waste water. But the water cannot be used for drinking purposes.