

DEPARTMENT OF CHEMISTRY

Reuse of Laboratory Culture water

Title of the Practice: Reuse of Laboratory Culture water

Objective:

The main objective of this practice is to protect water resources by reducing the water pollution discharges.

Context:

Several Laboratories require water for culture research. In some cases culture water is pumped into laboratory specimen tanks from local bodies of water such as lakes or garden. It is then discharged in to sewer and returned to the body of water.

The Practice:

We have adopted a method that is making adsorption filters by using used chemical PVC bottles which are resistant to chemical action and filled the bottles with silica gel collected from used R.O systems. The filters are connected to the sink outlets where washings are happened. After that the filtered water is released into the Botanical garden of our college.

Evidence of success:

The laboratory culture water was filtered and released in to the botanical garden

Problems encountered and resources required:

The practice can be done much better when there is availability of filtrate and the materials required to prepare the filtration set up and the outlet.



