

Filter adsorbent

The present invention provides an adsorbent for removing dyes from industrial wastewater. Said adsorbent is in the form of a filter adsorbent, comprising

- at least one layer of negatively charged graphene oxide paper and
- at least one layer of positively charged graphene oxide paper stacked together.
- The adsorbent is a powdered mixture of negatively and positively charged graphene oxide.
- The adsorbent of the present invention is capable of removing cationic and anionic dyes simultaneously

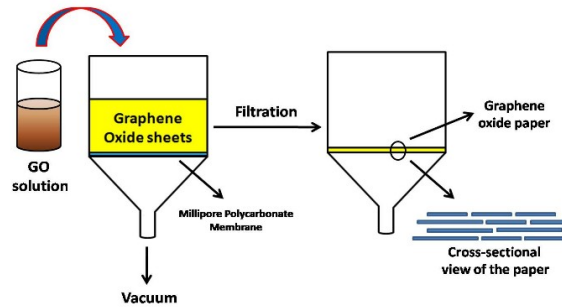


Fig -1: Preparation of Filter adsorbent using vacuum pump



Fig – 2: Graphene oxide paper