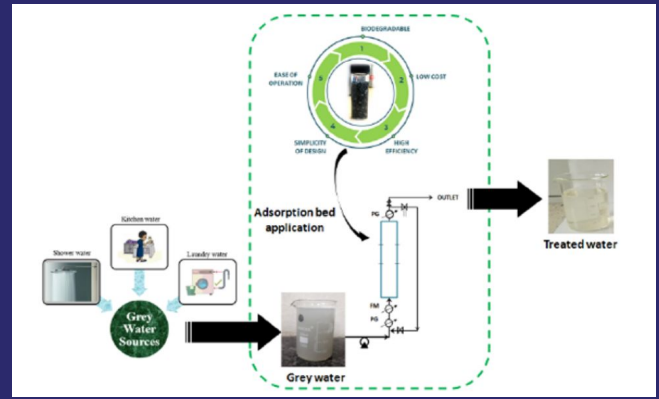


Granted IN453729

Process for preparing porous polymer beads



NEED

The invention aims to develop a cost-effective, efficient, and scalable solution for treating and reusing greywater containing laundry effluents, reducing freshwater consumption and environmental impact.

SOLUTION

The invention aims to recycle greywater efficiently using cost-effective, scalable polymer beads with activated carbon, enhancing selectivity and efficiency in treatment processes.

INNOVATION

A method is devised to produce porous polymer beads incorporating activated carbon for greywater treatment, ensuring uniformity and efficiency in adsorption.

MARKET ANALYSIS

Market: Wastewater Treatment, specifically Greywater Treatment

CAGR: steady growth, with a CAGR of approximately 5-7%.

Potential Indian Clients: Municipalities, Residential Complexes, Commercial Buildings, Industrial Facilities

WHY INVEST?

- Porous polymer beads
- Adsorbent
- Macropores
- Nanotechnology



AT A GLANCE

- Current TRL NA
- Funded by NA
- IPC CO2F, C08J
- Domain Environmental Engineering, Water Treatment



Anirban Roy, Anupam Mukherjee

Department of, Chemical
BITS Pilani, Goa Engineering Campus

For more information, reach out to (contact person), (designation), (organization) at (email ID) and (phone number)

