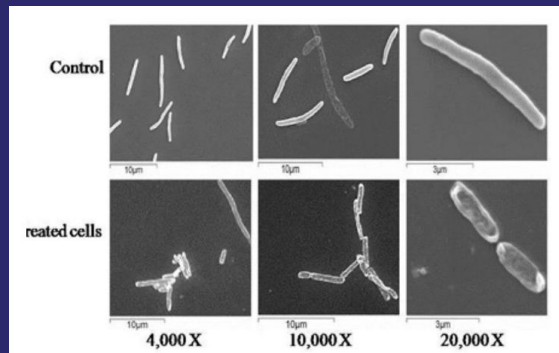


Granted IN443394

A bactericidal composition for disinfecting water



NEED

Existing materials exhibit limited efficacy in removing pathogenic bacteria from water, primarily at the onset of the disinfection process.

SOLUTION

The invention introduces a bactericidal composition featuring a Fe (II) polypyridyl complex adsorbed onto activated carbon for enhanced water disinfection.

INNOVATION

The method entails meticulously preparing the composition by ensuring stable adsorption of the Fe (II) complex onto activated carbon, followed by its application for water disinfection.

MARKET ANALYSIS

Market: Water treatment and purification industry

CAGR: estimated to be around 6-7%.

Potential Indian Clients: Municipalities, water treatment plants, industrial facilities, and households in India facing water contamination issues.

WHY INVEST?

- Fe (II) polypyridyl complex
- Stable complex
- Environment friendly
- Disinfection treatment



AT A GLANCE

- Current TRL NA
- Funded by NA
- IPC CO2F
- Domain
Water disinfection technology



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