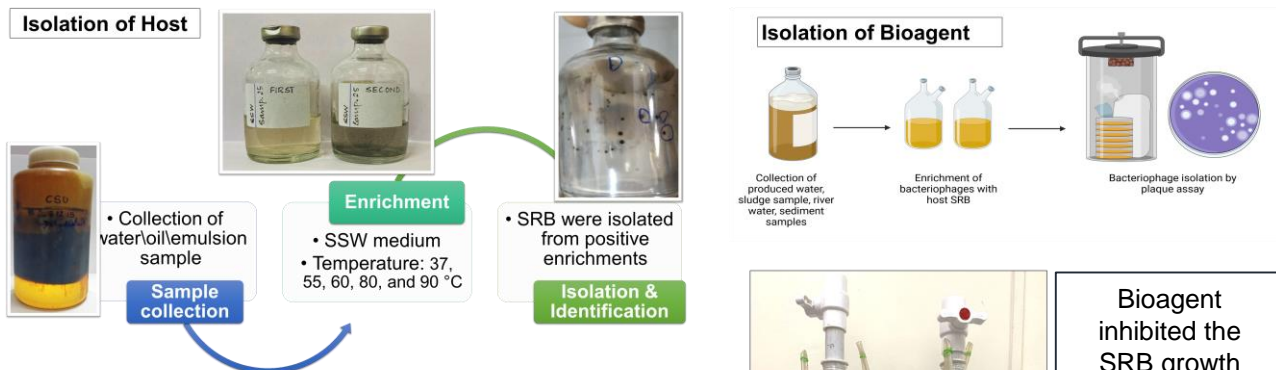
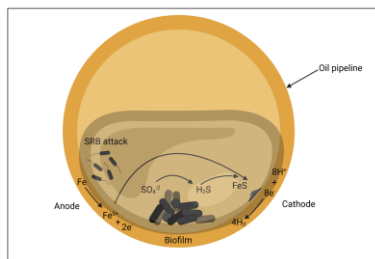


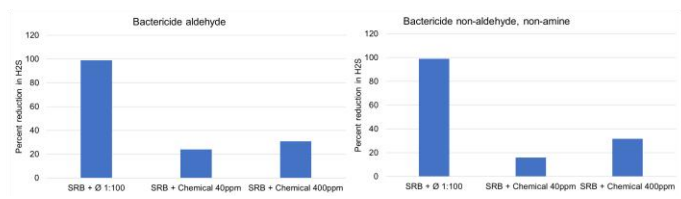
BioSourShield: Bioagent for Controlling sulfate reducing bacteria (SRB) and H₂S in oil reservoirs

Problems caused by H₂S

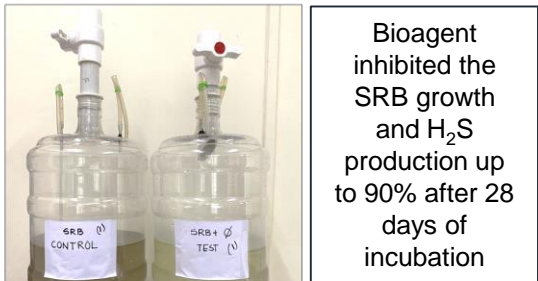
- Causes souring of oil
- Extremely toxic to humans
- Deteriorates the quality of oil
- Corrosion** of pipelines (MIC) and a huge loss in infrastructure



EFFICACY OF BIOAGENT V/S CHEMICAL BIOCIDES ON SRB



SRB-lytic phage was observed to be more effective in comparison to the chemical biocides



SALIENT FINDINGS

- ❖ Twenty-seven sulfur-reducing bacteria (SRB) were isolated, representing four SRB species from five genera.
- ❖ A specialized phage was isolated as a biocontrol agent against SRB.
- ❖ Developed bioagent could inhibit SRB growth up to 90 – 99%.
- ❖ Developed Bioagent more efficient than the chemical biocides.