Plate 1.1. Textile wastes and its environmental effects
Plate 3.1. Bioreactor set-up and sand filtration model

a) Bioreactor

b) Sand filter

Treated water for Plant growth
Plate 4.1. Primary screening-Plate assay

Plate 4.2. Secondary screening

a) Blue RGB (100 mg/l)

b) Red RGB (100 mg/l)
Plate 4.3. PCR amplification of 16S rDNA gene with forward and reverse primer in agarose gel

Lane 1: 16S rDNA amplicon band
Lane 2: DNA marker
Plate 4.4. Decolorization assay in synthetic media
Plate 4.5. Antagonistic activity
Plate 4.6. Decolourization of various dyes
Plate 4.7. Consortium CD-3 optimization for RNL decolorization
Plate 4.8. GC-MS analysis of decolorized (RNL) broth

Plate 4.9. TLC sheet with RNL degraded metabolites band formation
Plate 4.10. Effect of indigenous microflora on effluent treatment

Plate 4.11. Decolourized dyes after treatment with bacterial consortium (CD3)
(a) Treated dyes in synthetic medium   b) Treated textile effluent through bioreactor
Plate 4.12. Effect of untreated textile effluent on plant growth

a) Green Gram

b) Maize
Plate 4.13. Effect of bacterial consortium treated textile effluent on green gram
Plate 4.14. Effect of bacterial consortium treated textile effluent on maize