








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Growth kinetics and biosorption of lead

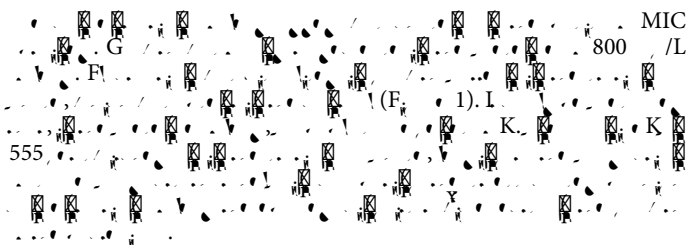


Figure 1: D, K555 (F, 1). I, K555 (G) MIC 800 /L

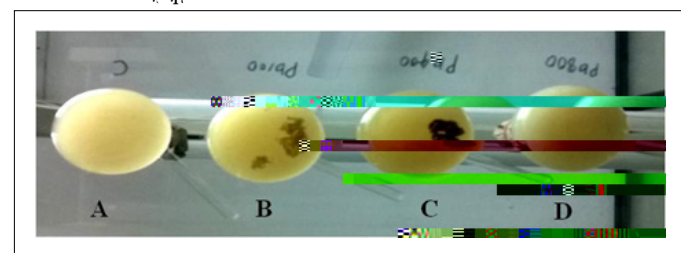


Figure 2: B, K555 NB (A) 100 /L (B) 400 /L (C), C, K555 NB (A) 800 /L (D).

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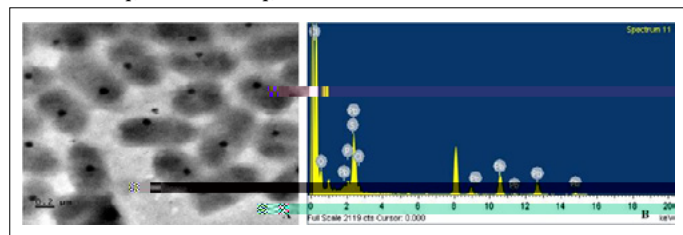


Figure 5: TEM (A); EDS (B).

Plasmid isolation from *K. pneumoniae* Kpn55 and transformation into *E. coli* DH5

K. pneumoniae Kpn55

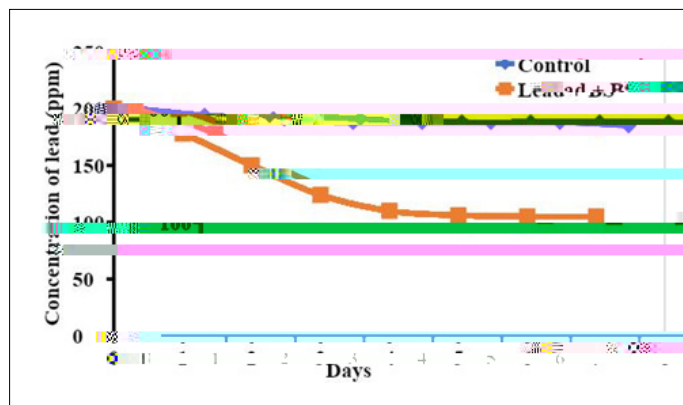


Figure 9: Bioremediation of lead by *K. pneumonia* Kpn555.

Characterisation of biosurfactant produced by *K. pneumonia* Kpn555

The surface tension of the biosurfactant produced by *K. pneumonia* Kpn555 was 1.23 mN/m.

13.

Citation: Shiny MB, Aparna KM, Sanjana C, Sandhya K, Louella CG, et al. (2020) Bacterium isolated from coffee waste pulp biosorps lead: investigation of biosurfactant mechanism to bioremediate lead pollution. J Bioremediat Biodegrad 11: 474.