

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211070192 A

(19) INDIA

(22) Date of filing of Application :05/12/2022

(43) Publication Date : 13/10/2023

(54) Title of the invention : ECO-FRIENDLY SYNTHETIC BEADS FOR REMOVAL OF HEXAVALENT CHROMIUM FROM WASTEWATER AND METHOD OF SYNTHESIS THEREOF

(51) International classification :C02F0001280000, C02F0101220000, C02F0001400000, C02F0003100000, C10L0005440000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

ABSTRACT “ECO-FRIENDLY SYNTHETIC BEADS FOR REMOVAL OF HEXAVALENT CHROMIUM FROM WASTEWATER AND METHOD OF SYNTHESIS THEREOF” The present invention relates to eco-friendly synthetic beads prepared from biological waste for removal of hexavalent chromium from wastewater. These synthetic beads remove total hexavalent chromium contamination from water. The beads are prepared from the mixed biomass of rice husk, Pleurotus florida biomass and Citrus limetta peels biomass. The preparation method of these beads is very simple and these beads showed high Cr (VI) removal efficiency. The prepared beads are small in size and eco-friendly. These beads also remain stable in the water solution during water treatment. These beads are easily separable from aqueous solution after Cr (VI) removal. Figures 1 (a) and 1(b) on sheet no. 1 of the drawings may accompany the abstract when published.

No. of Pages : 14 No. of Claims : 7