

Annexure-12 : Patent published/awarded

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711039955 A

(19) INDIA

(22) Date of filing of Application :09/11/2017

(43) Publication Date : 01/12/2017

(54) Title of the invention : MO-AGARCOAGULANT FOR WATERTREATMENT AND PURIFICATION

(51) International classification :C02F1/56

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(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 :

A novel Moringa oleifera (MO)-Agar coagulant evolves as water purifying agent. The present invention incorporates a process for preparing emphatic coagulant for the treatment and purification of contaminated water. It is a sol-gel process to prepare coagulant protein from the seeds of tree Moringa oleifera plant and agar-agar. MO seeds contain 1% active polyelectrolyteTMs that can neutralize the negatively charged colloid present in polluted water. Eventually, MO-Agar coagulant preparations uses for the treatment and purification of contaminated water. In particular, the present invention is to provide a preparation process which results in the maximum yield of coagulation proteins from Moringa seeds. This MO-Agar coagulant preferably be suitable for use in less developed countries thereby providing inexpensive coagulant proteins for water treatment.

No. of Pages : 6 No. of Claims : 9