

Jayoti Vidyapeeth Women's University, Jaipur
A *Statutory* University established and incorporated by the Act No. 17 of 2008
Passed by Rajasthan State Legislature and notified by the Govt. of Raj. As per 2f of UGC Act 1956

JV Patent

MO-AGARCOAGULANT FOR WATERTREATMENT AND PURIFICATION

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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 Claims: 9

Date of Filing: 09/11/2017

Publication Date: 01/12/2017

Application No.: 201711039955 A