

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 02/2024
ISSUE NO. 02/2024

शुक्रवार
FRIDAY

दिनांक: 12/01/2024
DATE: 12/01/2024

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/12/2023

(21) Application No.202311083524 A

(43) Publication Date : 12/01/2024

(54) Title of the invention : GREEN SYNTHESIS OF SILVER NANOPARTICLES FROM ANDROGRAPHIS PANICULATA USING ECO-FRIENDLY HYDRODISTILLATION METHOD

(51) International classification :A61K0036190000, A61K0033380000, B22F0009240000, B82Y0030000000, B82Y0040000000
(86) International Application No :PCT//
Filing Date :01/01/1900
(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 :

The present invention relates to a novel and environmentally friendly method for the synthesis of silver nanoparticles (AgNPs) using Andrographis paniculata extracts and a hydro distillation process. The method involves the reduction of silver ions from a silver precursor in the presence of Andrographis paniculata extract, resulting in the formation of stable and biocompatible silver nanoparticles. The eco-friendly hydro distillation method ensures the sustainability of the synthesis process while retaining the inherent therapeutic properties of Andrographis paniculata.

No. of Pages : 10 No. of Claims : 5