

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211028460 A

(19) INDIA

(22) Date of filing of Application :18/05/2022

(43) Publication Date : 27/05/2022

(54) Title of the invention : INVESTIGATION OF FREE RADICAL SCAVENGING ANTIOXIDANT AND ANTIMICROBIAL ACTIVITY OF CORNSILK

<p>(51) International classification :A61K0036899000, A23L0033105000, C12Q0001180000, A23L0003346300, A61K0036470000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. Mukesh Kumar Singh Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad ----- 2)Mr. Ashwanee Kumar Sahu 3)Dr. Arun Kumar Mishra 4)Dr. Amrita Mishra 5)Dr. Asheesh Kumar Gupta 6)Dr. Sushil Kumar 7)Dr. Anand Mahalwar 8)Mr. Yugal Kishor Rajput 9)Mr. Rajendra Kumar Sahu 10)Ms. Vinita Goti 11)Mr. Omprakash Sahu 12)Mr. Onkar Kurre Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Mukesh Kumar Singh Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad ----- 2)Mr. Ashwanee Kumar Sahu Address of Applicant :Assistant Professor, ISBM University, Nawapara Koshmi Chhura, Gariaband, Chhatisgarh, Pin Code: 493996 Gariaband ----- 3)Dr. Arun Kumar Mishra Address of Applicant :Professor , Central Facility of Instrumentation, Pharmacy Academy, IFTM University, Lodipur-Rajput Delhi Road, NH-24, Moradabad, Uttar Pradesh, Pin Code: 244102. Moradabad ----- 4)Dr. Amrita Mishra Address of Applicant :Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. Moradabad ----- 5)Dr. Asheesh Kumar Gupta Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad ----- 6)Dr. Sushil Kumar Address of Applicant :Professor & Director, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. Moradabad ----- 7)Dr. Anand Mahalwar Address of Applicant :Professor & Vice Chancellor, ISBM University, Nawapara Koshmi , Gariaband, Chhatisgarh, Pin Code: 493996 Gariaband ----- 8)Mr. Yugal Kishor Rajput Address of Applicant :Assistant Professor, School of Pharmacy, ISBM University, Chhura, Gariaband, Chhatisgarh, Pin Code: 493996. Gariaband ----- 9)Mr. Rajendra Kumar Sahu Address of Applicant :Assistant Professor, Department of Pharmacognosy, School of Pharmacy, ISBM University, Nawapara, Gariaband, Chhatisgarh, Pin Code: 493996. Gariaband ----- 10)Ms. Vinita Goti Address of Applicant :Assistant Professor, Shri Rawatpura Sarkar Institute of Pharmacy, Kumhari, Durg, Chhatisgarh, Pin Code: 492001 Kumhari ----- 11)Mr. Omprakash Sahu Address of Applicant :Assistant Professor, School of Pharmacy, ISBM University, Gariaband, Chhatisgarh, Pin Code: 493996. gariaband ----- 12)Mr. Onkar Kurre Address of Applicant :Assistant professor, School of Pharmacy Chouksey Group of Colleges, Bilaspur, Chhatisgarh, Pin Code: 491995. Bilaspur -----</p>
---	--

(57) Abstract :

The present invention relates to the preparation of ethanolic extract of corn silk, and to evaluate its invitro- anti oxidant activity and anti-microbial activity. In the present study, the antioxidant activity of CSEE was determined using different models such as DPPH, ABTS radical scavenging activity, phosphomolybdenum activity, Metal chelation activity and antimicrobial activity was investigated by agar well diffusion method. Ethanolic extract was found potent in all in-vitro models and plant also exhibited significant antimicrobial activity. The presence study suggested that Corn silk ethanolic extract, a budding resource of natural antioxidants.

No. of Pages : 12 No. of Claims : 10