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List of Patents Published/ Awarded- Academic Year- 2021-22

S. No	Name of the Teacher	Patent Number	Title of the Patent
01	Dr. Anand Mahalwar, Mr. Ashwanee Kumar Sahu, Mr. Yugal Kishor Rajput, Mr. Rajendra Kumar Sahu, Mr. Omprakash Sahu	202211028460 A	Investigation of Free Radical Scavenging Antioxidant and Antimicrobial Activity of Cornsilk
02	Dr Poonam Verma	202241027907 A	Deep Learning Techniques to Analyse the Antimicrobial Resistance of Drugs Against Viruses Causing Infections



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**पेटेंट कार्यालय
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(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 present study suggested that Corn silk ethanolic extract, a budding resource of natural antioxidants.

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Application No.202241027907 A

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(57) Abstract :

Deep learning techniques to analyse the antimicrobial resistance of drugs against viruses causing infections is the proposed invention. The invention focuses on designing and implementing a framework of Deep learning algorithm which will monitor the data sets of Anti-Microbial drugs and their properties. The invention aims at providing a resultant data set that will help medical practitioners to prescribe exact and suitable anti-biotics.

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