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पेटेंट कार्यालय का एक प्रकाशन
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(54) Title of the invention : ANTIMICROBIAL, ANTIOXIDANT AND ANTICANCER HERBAL MOUTHWASH COMPOSED OF BIOACTIVE FRACTION OF ANACYCLUS PYRETHRUM

<p>(51) International classification :A61K0036280000, A61Q0011000000, A01N0065000000, A23L0003347200, G01N0033500000</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. Sukirti Upadhyay Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad ----- 2)Mr. Shrey Shukla 3)Dr. Prashant Upadhyay Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Sukirti Upadhyay Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, India Pin Code: 244102 Moradabad ----- 2)Mr. Shrey Shukla Address of Applicant :M.Pharm., School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, India Pin Code: 244102 Moradabad ----- 3)Dr. Prashant Upadhyay Address of Applicant :Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, India Pin Code: 244102 Moradabad -----</p>
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(57) Abstract :

The present invention relates to the preparation of mouthwash containing ethanolic extract of Anacyclus pyrethrum, and to evaluate for its colour, odour, pH, viscosity and stability studies. Phytochemical screening of ethanolic extract shows the presence of alkaloids, carbohydrates, phenolics, flavonoids. Further, it's in vitro antimicrobial activity was investigated by agar well diffusion method, it's in vitro- antioxidant activity was determined using models such as DPPH and its cytotoxic studies were investigated using MTT assay. Ethanolic extract of Anacyclus pyrethrum in herbal mouthwash was found potent in all in-vitro models and exhibit significant antimicrobial, antioxidant and anticancer activity. The present study suggests that the extract can be successfully used in the preparation of mouthwash for its rich source of natural antioxidants.

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