

(54) Title of the invention : ISOLATION OF FIXED OIL FROM FRUIT OF EHRETIA ACUMINATA R. BR FOR SUSTAINABLE TOMORROW

<p>(51) International classification :G01N0030020000, F02C0007060000, F04B0053200000, F04B0017040000, F01D0025180000</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 :</p> <p>1)Dr. Amanpreet Kaur Address of Applicant :Assistant Professor, Department of Chemistry, School of Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>2)Dr. Abha Shukla 3)Dr. Sarika Arora</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Dr. Amanpreet Kaur Address of Applicant :Assistant Professor, Department of Chemistry, School of Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>2)Dr. Abha Shukla Address of Applicant :Assistant Professor, Department of Chemistry, Gurukul Kangri Vishwavidyalaya, Kanya Gurukul Campus, Sitapur, Haridwar, Uttarakhand, Pin Code:249404 Haridwar -----</p> <p>3)Dr. Sarika Arora Address of Applicant :Associate Professor, Department of Chemistry, School of Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p>
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(57) Abstract :

The present invention relates to the extraction of fixed oil from the fruit of Ehretia acuminata and evaluation of the chemical composition. It also includes the process of extraction of fixed oil from the fruit. The prepared fruit fixed oil is evaluated for the chemical components by using the GC-MS analysis. The prepared fruit fixed oil is evaluated for various biological activities such as antioxidant activity, antidiabetic activity, anti-inflammatory activity antihemolytic activity, photoprotective activity, antimicrobial activity and statistical analysis.

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