

Supplementary data

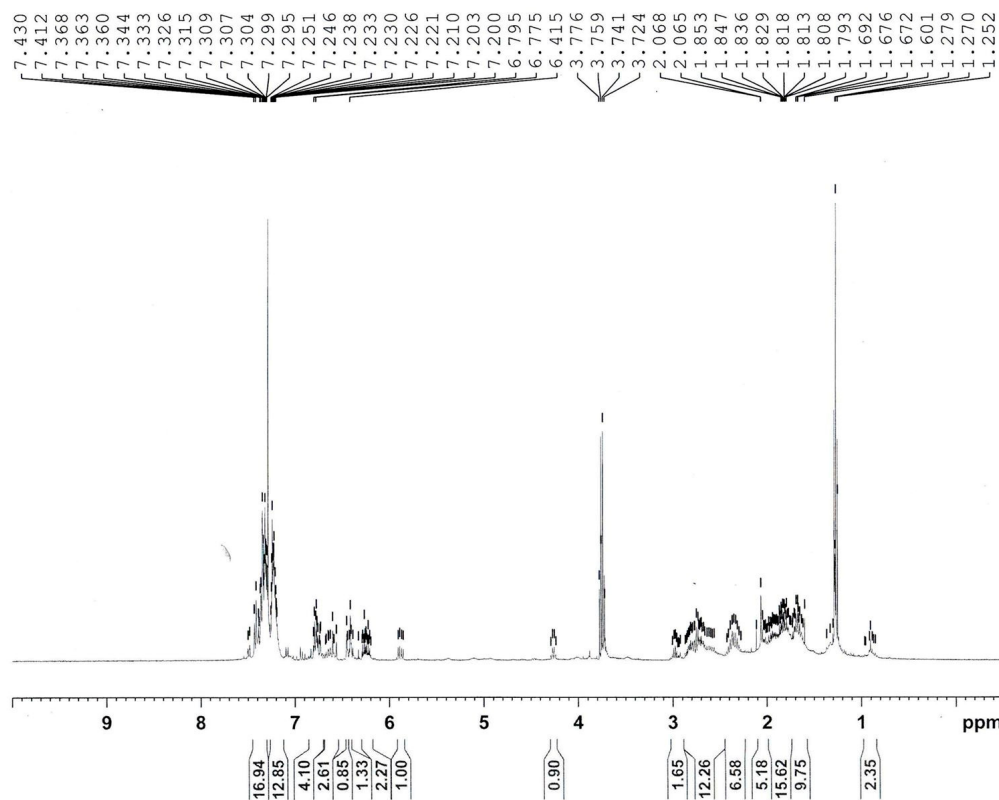
Enhanced stability and bioactivity of *Curcuma comosa* Roxb. extract in electrospun gelatin nanofibers

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Curcoma Comosa



Current Data Parameters
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 PROCNO 1

F2 - Acquisition Parameters
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F2 - Processing parameters
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Figure. S1 400 MHz ^1H -NMR spectrum of crude *Curcuma comosa* Roxb. extract.

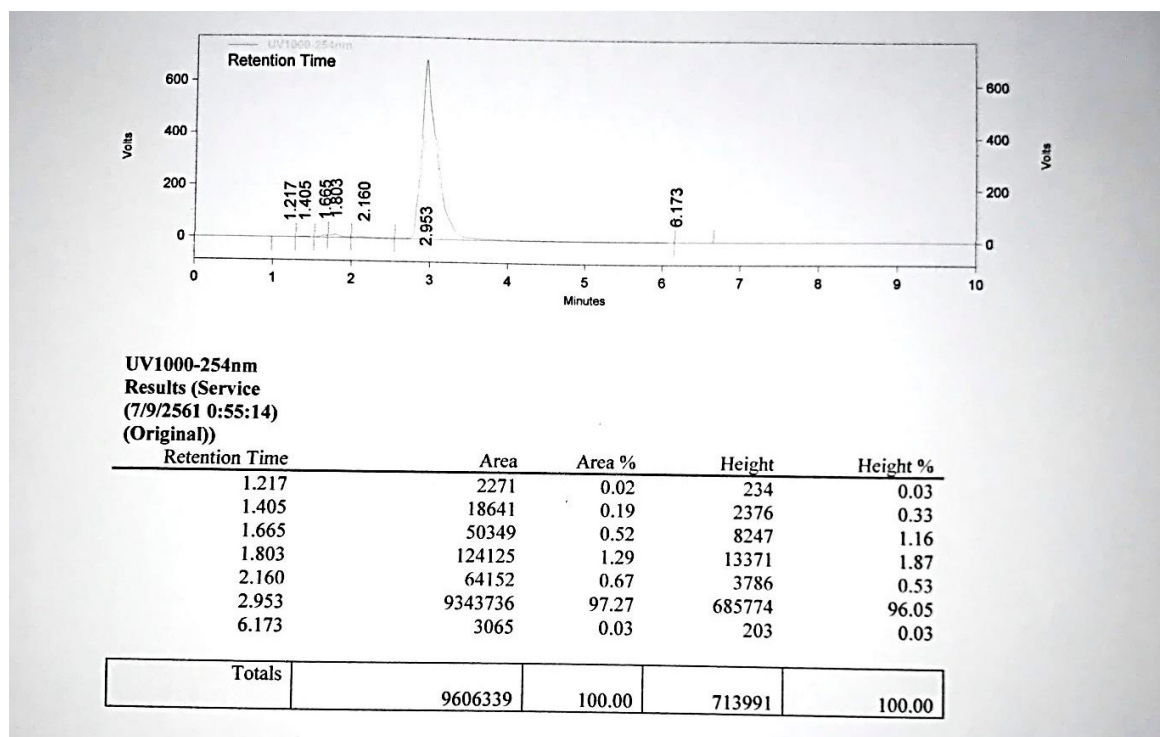


Figure. S2 HPLC chromatogram of *crude Curcuma comosa* Roxb. extract.

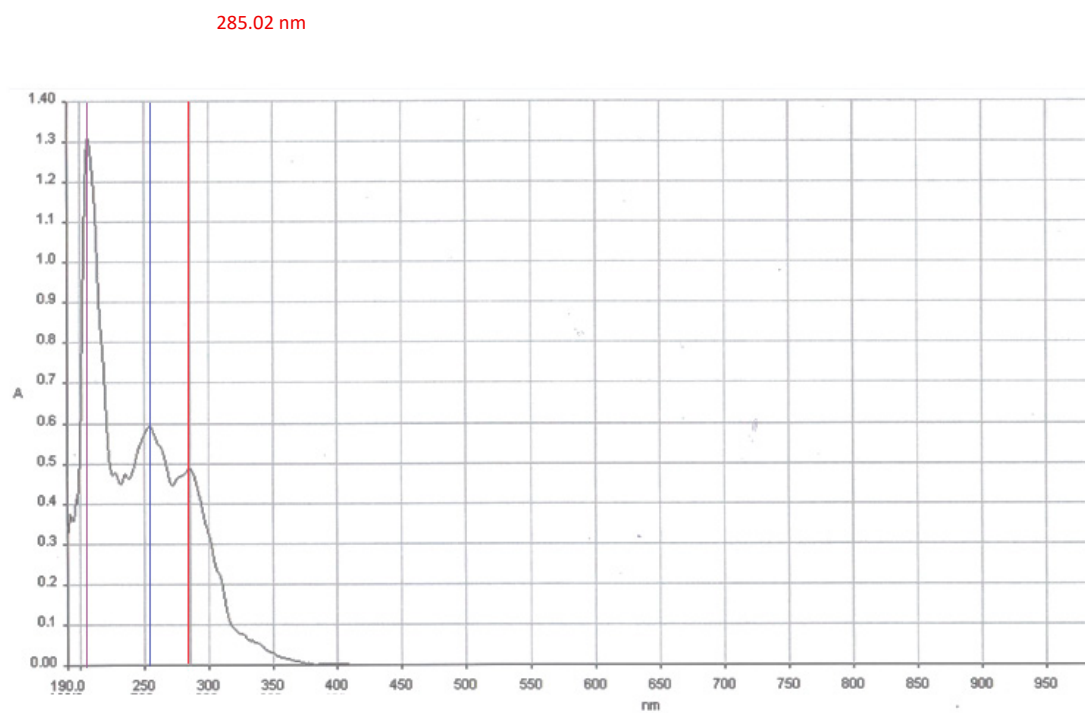


Figure S3. Determination of wavelength of maximum absorbance (λ_{max}) and absorptivity coefficient of crude *Curcuma comosa* Roxb. in methanol solvent system.

Table S1 Results of preliminary phytochemical screening of the crude ethanol extract of *Curcuma comasa* Roxb.

Notes: (–) is absent and (+) is present.

Phytochemical	Chemical tests	Theoretical positive results	Experimental results observed
1. Alkaloids	Dragendoff's test	Orange red precipitate	-
	Meyer's test	Yellow precipitate	-
	Wagner's test	Reddish brown precipitate	-
2. Anthraquinones		Pink colour	-
3. Anthocyanin		Pink colour	-
4. Cardiac glycosides			
Deoxy sugar moiety	Keller Kiliani's test	Brown ring at interface	+
Steroidal nucleus	Salkowski's test	Brown colour	+
Cardenolide moiety	Kedde's test	Purple-violet colour, colour fade gradually through reddish-brown to brownish-yellow with whitish precipitation indicates the presentation indicates the presence of lactone ring	+
5. phenols	Ferric chloride test	Green blue colour	+
	Follin-Chocalteu	Dark blue colour	+
6. flavonoids	Alkaline reagent test	Yellow colour, colourless as added with diluted HCl	+
	Ferric chloride test	Green blue color	+
	Lead(II)acetate	Yellow precipitate	+
7. Tannins	Ferric chloride test	Green blue colour	+
	Gelatin test	White precipitate	+
	Vanillin test	Pink/red colour	+
8. Saponins	Saponins	Stable foam for 15 min	-
9. Terpenoids	Salkowski's test	Reddish brown at interface	+

