

Diverse Assets &

Applications

nternational

LABoratory

SERIES 96

CMBRI Seminar Series FY2024-06

Vishal KUMAR 2024-09-11

Series - 96

Date and Time - Sept. 11 (3:30 PM JST)

Venue - Zoom

Speaker - Vishal KUMAR

Affiliation - Asst. Prof., Bhagwant Ayurvedic College, Uttar Pradesh, India

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Title - Biocomposites for wound healing and other biomedical applications

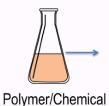
Abstract – Healing takes place through inflammation, reliferation, and remodeling stages in wounds. Many a times due to wound infection they didn't becomes chronic. In chronic wounds both mitations and it also causes maximum

standardization is m contamination can oc available like patches.

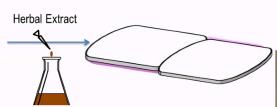
Ayurveda for Thank you parations are time consuming and microbial application. There are many patient friendly applications are time consuming and microbial accolloids etc. About 150 single berbs are described. can be used with integration of these new patient friendly applications.

The study aimed at development of biocomposites for wound healing and other biomedical applications. Standardization was done with swelling, Water Vapour Transmission Rate (WVTR), X-Ray Diffraction (XRD), Fourier Transform Infrared Spectroscopy (FTIR) along with its anti-microbial studies. The herb is mentioned in Ayurveda having wound healing activity and the bicomposite showed good anti-microbial activity and wound healing activity in in vivo and clinical study.

Development of Herbal Patch

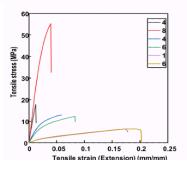






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Tensile strength study



Pharmacodynamic appraisal of wound-healing herbs of Sushruta Samhita

Vishal Kumar, Tanuja Manoj Nesari, Shiyani Ghildiyal, and Rahul Sherkhane



Durability and Protection

M MUKESH KUMAR

MD MAYOURI DAS

MD MOULI DUTTA

PA Punam Aggarwa







Ruchira















Zu Zoom user

