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Wound dressings – A review**Elango Santhini, Selvaraj Dhivya and Viswanadha Vijaya Padma**
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Wound healing is a dynamic and complex process which requires suitable environment to promote healing process. With the advancement in technology, more than 3000 products have been developed to treat wounds by targeting different aspects of healing process. Selection of dressings for various wounds are majorly based on its ability to: provide or maintain moist environment, enhance epidermal migration, promote angiogenesis and connective tissue synthesis, allow gas exchange between wounded tissue and environment, maintain appropriate tissue temperature to improve the blood flow to the wound bed and enhances epidermal migration, provide protection against bacterial infection, and should be non-adherent to the wound and easy to remove after healing, must provide debridement action to enhance leucocytes migration and support the accumulation of enzyme and must be sterile, non-toxic and non-allergic. But in spite of the availability of ample dressings, there is no superior product that heals chronic wounds efficiently. Hence developing a dressing material that addresses the major interfering factors of normal healing process will help patients and wound care practitioners largely.

Biography

Elango Santhini has completed her PhD from Bharathiar University and Postdoctoral studies from Indian Institute of Science, Bangalore. She is a Senior Scientific officer-Gr A and Technical Manager, Biological laboratory (Accredited to ISO/IEC: 17025), SITRA. She has published more than 15 papers in reputed journals and has been serving as an Editorial Board Member of international journals. She has won the early career and Young Scientist Research grants from DBT and DST, Govt. of India. She is the recipient of TNSCST and best oral and poster presentation awards from TNSCST and Andhra Pradesh Akademi of Science Young Scientist Convention.

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