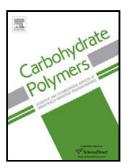
## Accepted Manuscript

Title: Bacterial cellulose membrane produced by Acetobacter sp. A10 for burn wound dressing applications



Author: Moon Hwa Kwak Ji Eun Kim Jun Go Eun Kyoung Koh Sung Hwa Song Hong Joo Son Hye Sung Kim Young Hyun Yun Young Jin Jung Dae Youn Hwang

PII: DOI: Reference: S0144-8617(14)01061-3 http://dx.doi.org/doi:10.1016/j.carbpol.2014.10.049 **CARP 9402** 

To appear in:

Received date:	14-7-2014
Revised date:	2-10-2014
Accepted date:	16-10-2014

Please cite this article as: Kwak, M. H., Kim, J. E., Go, J., Koh, E. K., Song, S. H., Son, H. J., Kim, H. S., Yun, Y. H., Jung, Y. J., and Hwang, D. Y., Bacterial cellulose membrane produced by Acetobacter sp. A10 for burn wound dressing applications, Carbohydrate Polymers (2014), http://dx.doi.org/10.1016/j.carbpol.2014.10.049

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## ACCEPTED MANUSCRIPT

## Highlight

- 1. BCM produced by *Acetobacter sp.* showed an appropriate range of the physic-chemical properties to maintain a proper fluid balance on the burn wound of skin.
- 2. BCM treatment for 15 days was successfully accelerated the process of wound healing through the stimulation of epithelization, angiogenesis and connective tissue formation.
- 3. BCM may not induce any significant toxicity toward the liver and kidney of SD rats.
- 4. BCM may be considered as one of effective candidate materials for accelerating the healing process of burned skin.

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