Supplementary Material

**Fabrication of Bacterial Cellulose-Curcumin Nanocomposite as a Novel Dressing for Partial Thickness Skin Burn**

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## Supplementary Figures

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## Supplementary Figure 1. Graphical Abstract (Table of content)

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**Supplementary Figure 2.** Representative photographs of the antibacterial activity of the curcumin against burn wound pathogens. Curcumin showed prominent effects against *E. coli*, *P. aeruginosa*, *S. typhimurium* and *S. aureus*.

1. **Supplementary Tables**

**Supplementary Table 1.** The zone and percent inhibition of burn associated pathogens by curcumin in comparison to standard drug (silver sulfadiazine).

|  |  |  |  |
| --- | --- | --- | --- |
| **Bacterial species** | **Zone of inhibition (mm)** | | **Percent inhibition** |
| **Standard drug** | **Curcumin** |
| ***S. typhimurium*** | 18 ± 0 | 16 ± 0 | 82% |
| ***S. aureus*** | 17.6 ± 0.47 | 15.5 ± 0.4 | 81% |
| ***E. coli*** | 16 ± 0 | 15 ± 0 | 87% |
| ***P. aeruginosa*** | 18.3 ± 0.47 | 16.3 ± 0.4 | 82% |