Supplementary Material (ESI)

Fabrication of biohybrid cellulose acetate-collagen bilayer matrices as nanofibrous spongy dressing material for wound healing application

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† Electronic Supplementary Information (ESI) available: Tables and Figure.

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Supplementary Table

Table S1 Results of different models in terms of r^2, slope and intercept

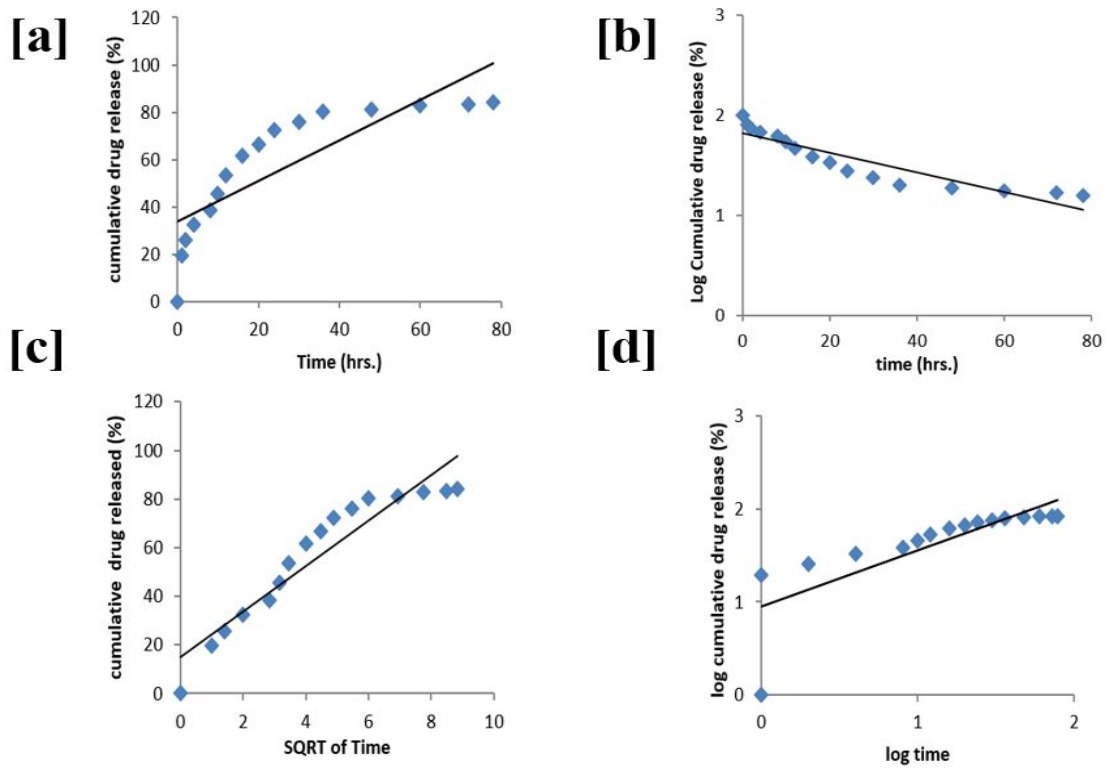| Model Name	L			D		
	r^2	Slope	Intercept	r^2	Slope	Intercept
Zero order model	0.9815	0.8591	33.872	0.6677	0.7363	31.597
First order model	0.8403	0.0098	1.8172	0.7987	0.0069	1.8286
Higuchi model	0.8938	9.3508	15.152	0.8837	8.0703	15.305
Korsmeyer -Peppas model	0.631	0.6097	0.9461	0.6151	0.5838	0.9378

Supplementary Figures:

Figure S1 **Drug release data fitted to various kinetic models for the CA:L-CSPG bilayer matrix (A) Zero order (B) First order (C) Higuchi model and (D) Korsmeyer-Peppas drug diffusion model.**
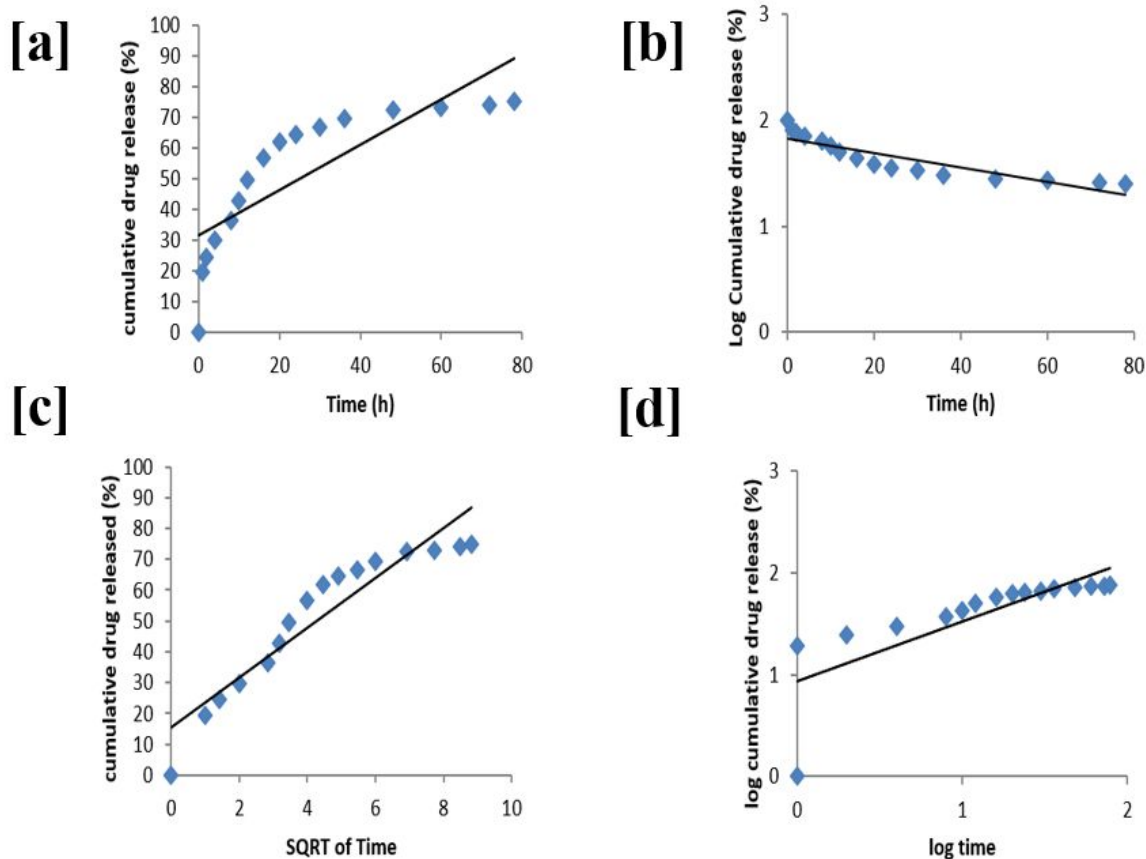
Figure S2 **Drug release data fitted to various kinetic models for the CA:D-CSPG bilayer matrix (A) Zero order (B) First order (C) Higuchi model and (D) Korsmeyer-Peppas drug diffusion model**
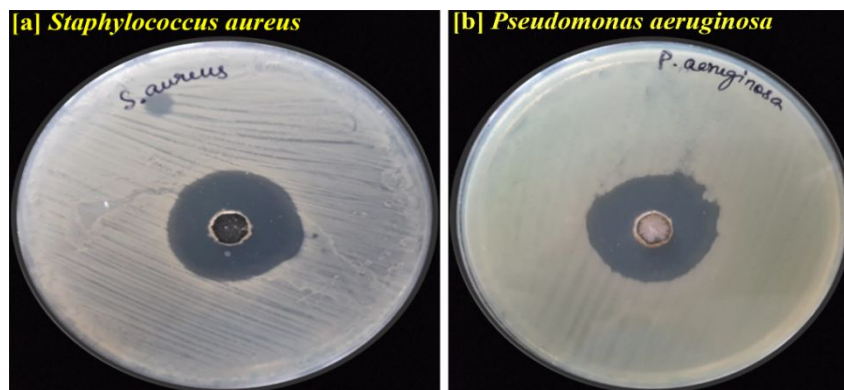

Figure S3 **Antimicrobial activity of the latex using: (a)** *Staphylococcus aureus,* **(b)** *Pseudomonas aeruginosa*