

## Supplementary Material

# 3D printing of thermoresponsive hydrogel laden with an antimicrobial agent toward wound healing applications

Martyna Nizioł<sup>1</sup>, Justyna Paleczny<sup>2</sup>, Adam Junka<sup>2</sup>, Amin Shavandi<sup>3</sup>, Anna Dawiec-Liśniewska<sup>4</sup>, and Daria Podstawczyk<sup>1,\*</sup>

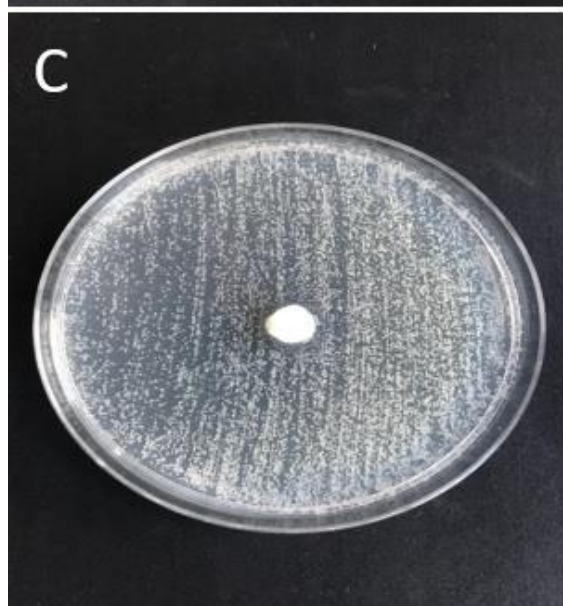
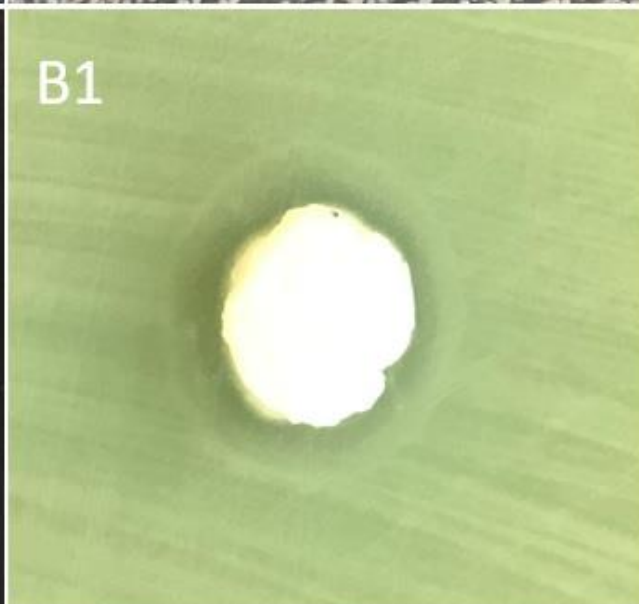
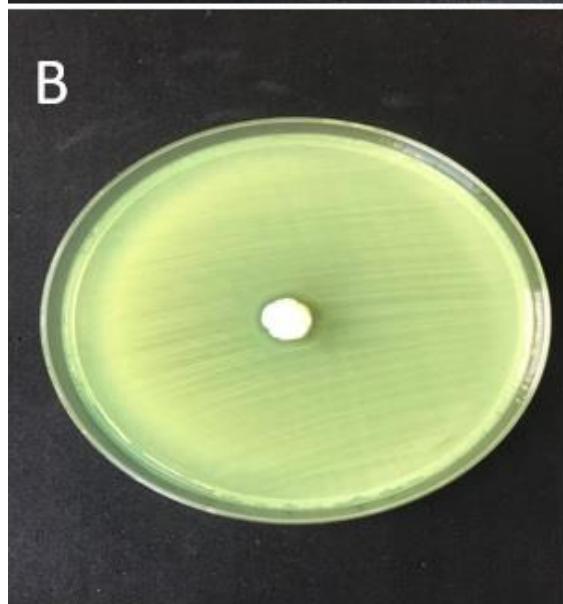
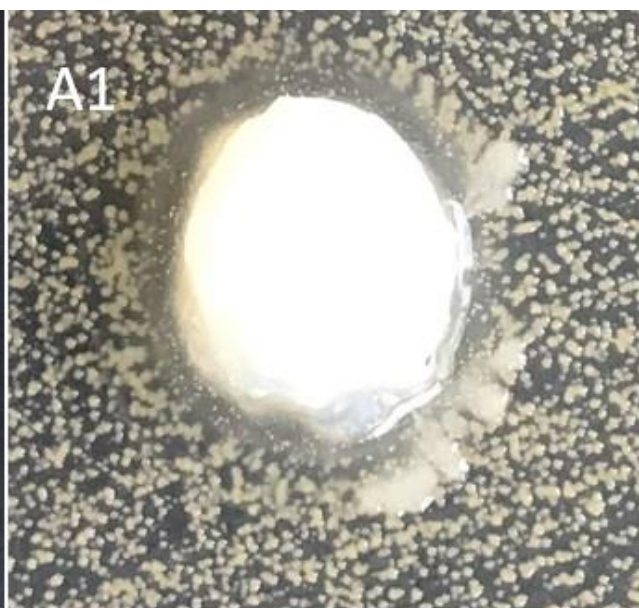
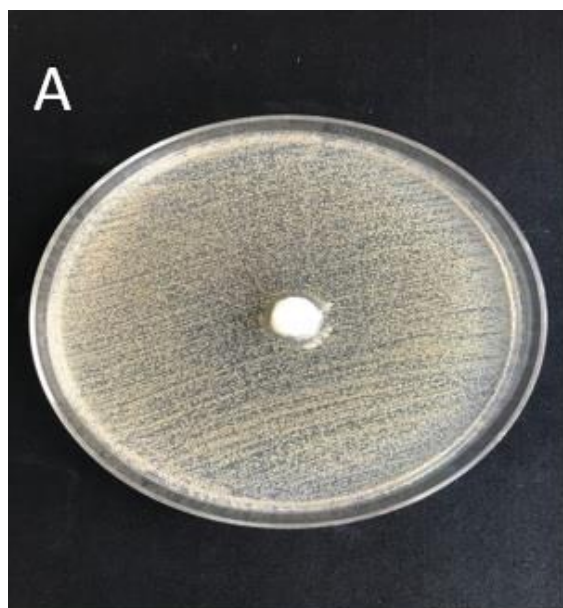
<sup>1</sup> Department of Process Engineering and Technology of Polymer and Carbon Materials, Faculty of Chemistry, Wrocław University of Science and Technology, Norwida 4/6, Wrocław, 50-373 Poland; [martyna.niziol@pwr.edu.pl](mailto:martyna.niziol@pwr.edu.pl), [daria.podstawczyk@pwr.edu.pl](mailto:daria.podstawczyk@pwr.edu.pl)

<sup>2</sup> Department of Pharmaceutical Microbiology and Parasitology, Wrocław Medical University, 50-556, Wrocław, Poland; [adam.junka@umed.wroc.pl](mailto:adam.junka@umed.wroc.pl), [justyna.paleczny@student.umed.wroc.pl](mailto:justyna.paleczny@student.umed.wroc.pl)

<sup>3</sup> BioMatter Research Unit - Biomass and Biomaterials (3BIO-BioMatter), Université Libre de Bruxelles, Brussels, Belgium, [amin.shavandi@ulb.be](mailto:amin.shavandi@ulb.be)

<sup>4</sup> Department of Advanced Material Technology, Faculty of Chemistry, Wrocław University of Science and Technology, Wrocław 50-372, ul. M. Smoluchowskiego 25, Poland, [anna.dawiec@pwr.edu.pl](mailto:anna.dawiec@pwr.edu.pl)

\* Correspondence: [daria.podstawczyk@pwr.edu.pl](mailto:daria.podstawczyk@pwr.edu.pl); Tel.: +48713203437



**Figure S1.** Lack of intrinsic antimicrobial activity of analyzed samples against A) *S.aureus*, B) *P.aeruginosa* and C) *C.albicans*. Pictures A1, B1, C1 are 4x magnifications of pictures A, B, C respectively, focused on the sample and sample surroundings.