

1 Article

2 **Optimization of ZnO Nanorods Growth on**
 3 **Polyethersulfone Electrospun Mats to Promote**
 4 **Antibacterial Properties**

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20 **ZnO Chemical Bath Deposition on PES electrospun mats**

21 3D printed support was used both for mats seeding and CBD procedures, as shown in Figure
 22 S1.

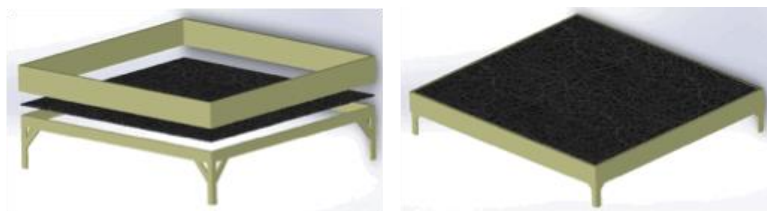


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24 **Figure S1.** Supported PES mat immersed in seeding bath.

25 The support was made by using a high temperature thermoplastic blend consisting of
 26 Polyetherimide (PEI) with a Polycarbonate copolymer (Ultem 9085TM -Tan grade) and it was
 27 designed by Solidworks® (Figure S2). It was realized by using Fortus 3D printer (Fortus 400mc-Stratasys,
 28 Los Angeles, USA) and printing volume was 355 x 254 x 254 mm.

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Figure S2. Ultem 9085™ support rendering.