

# Supporting Information for manuscript

## Micropatterned silk-fibroin/eumelanin composite films for bioelectronic applications

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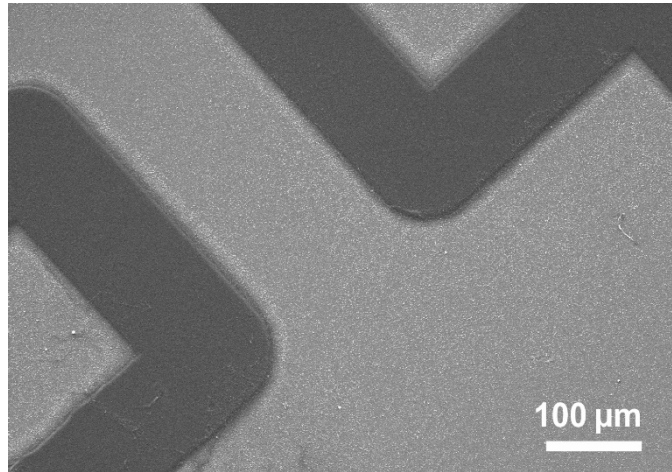
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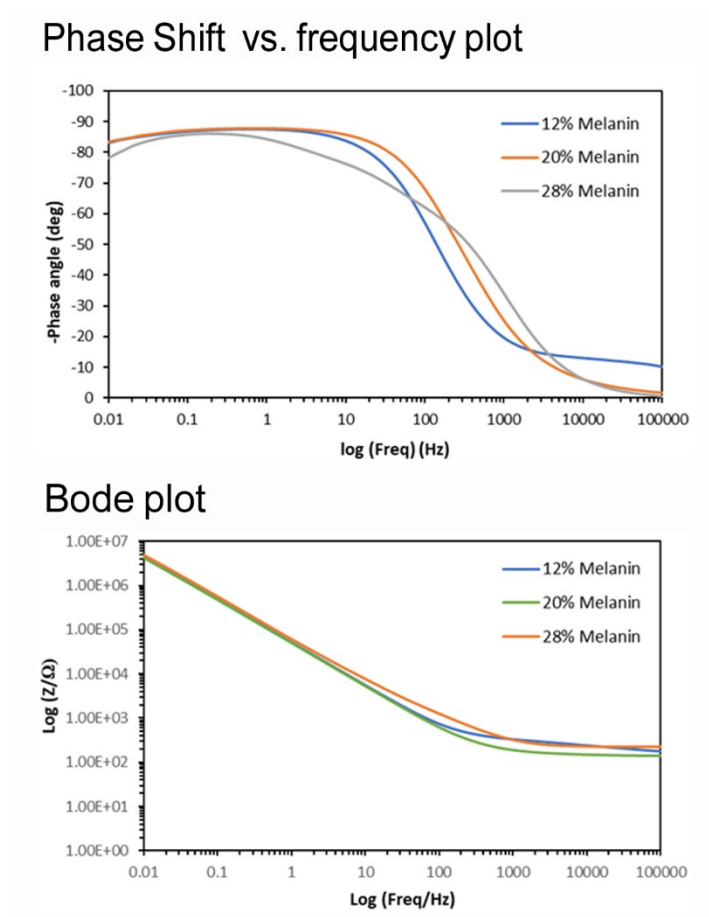
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**Figure S1** – High resolution microstructures can be formed from the composite. At the microscales, the nanoscale roughness of the surface is not clearly observable.



**Figure S2** – Phase shift vs. frequency and Bode plot for the fibroin/eumelanin composite at different melanin concentrations (w/w).