



## Supplementary Material

# Effect of dispersion solvent on the deposition of PVP-silver nanoparticles onto DBD plasma-treated Polyamide 6,6 fabric and its antimicrobial efficiency

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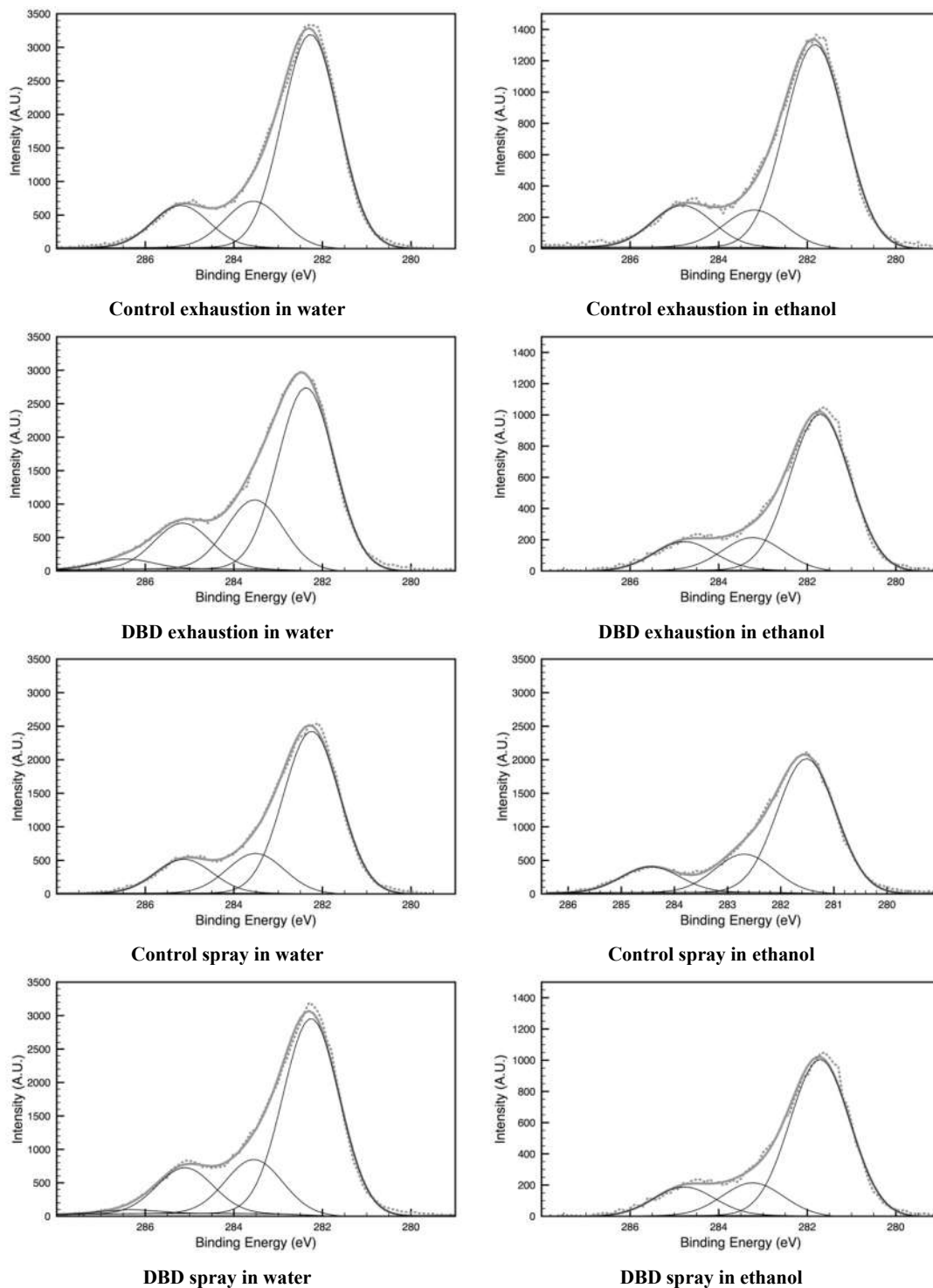
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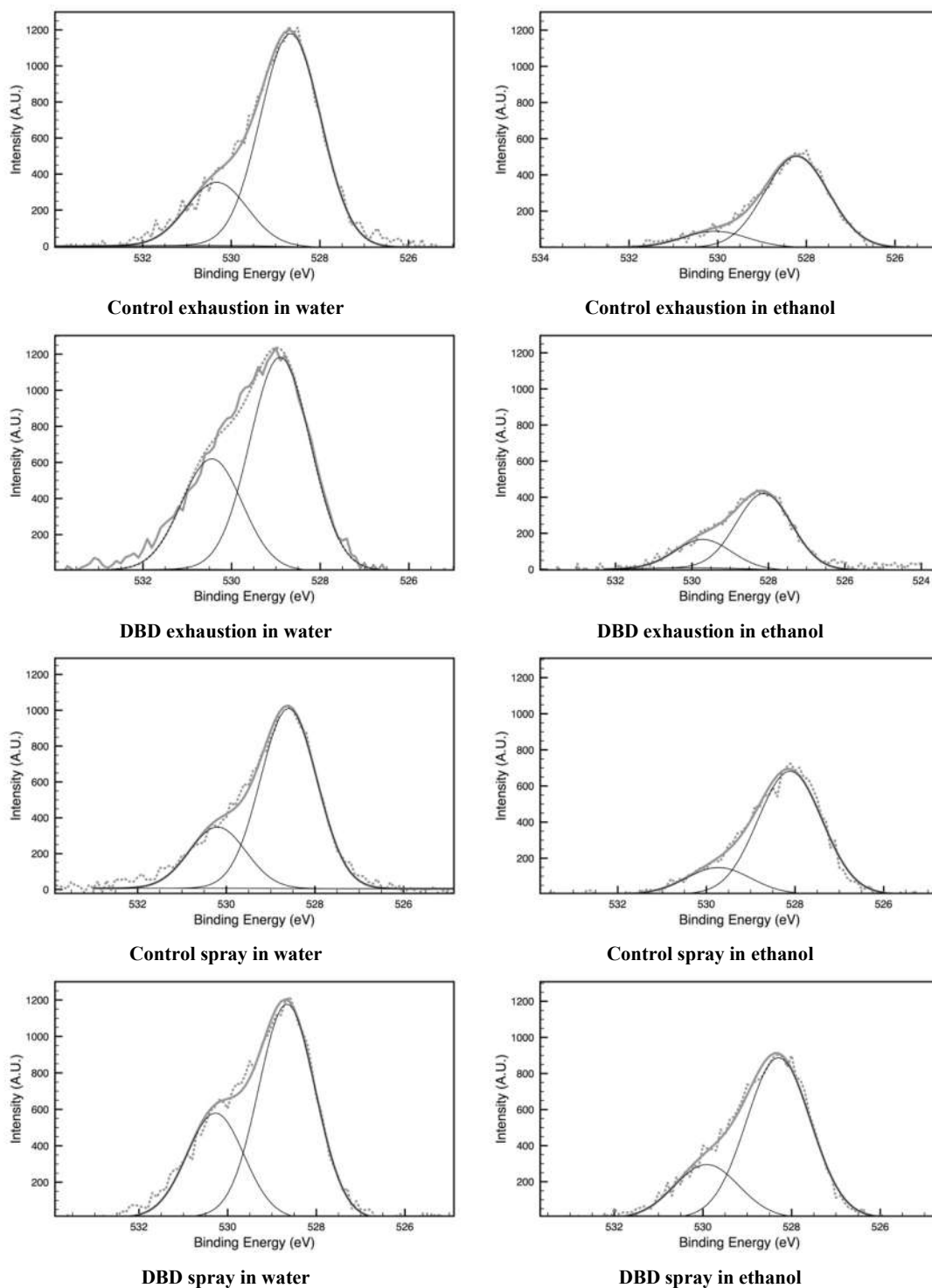
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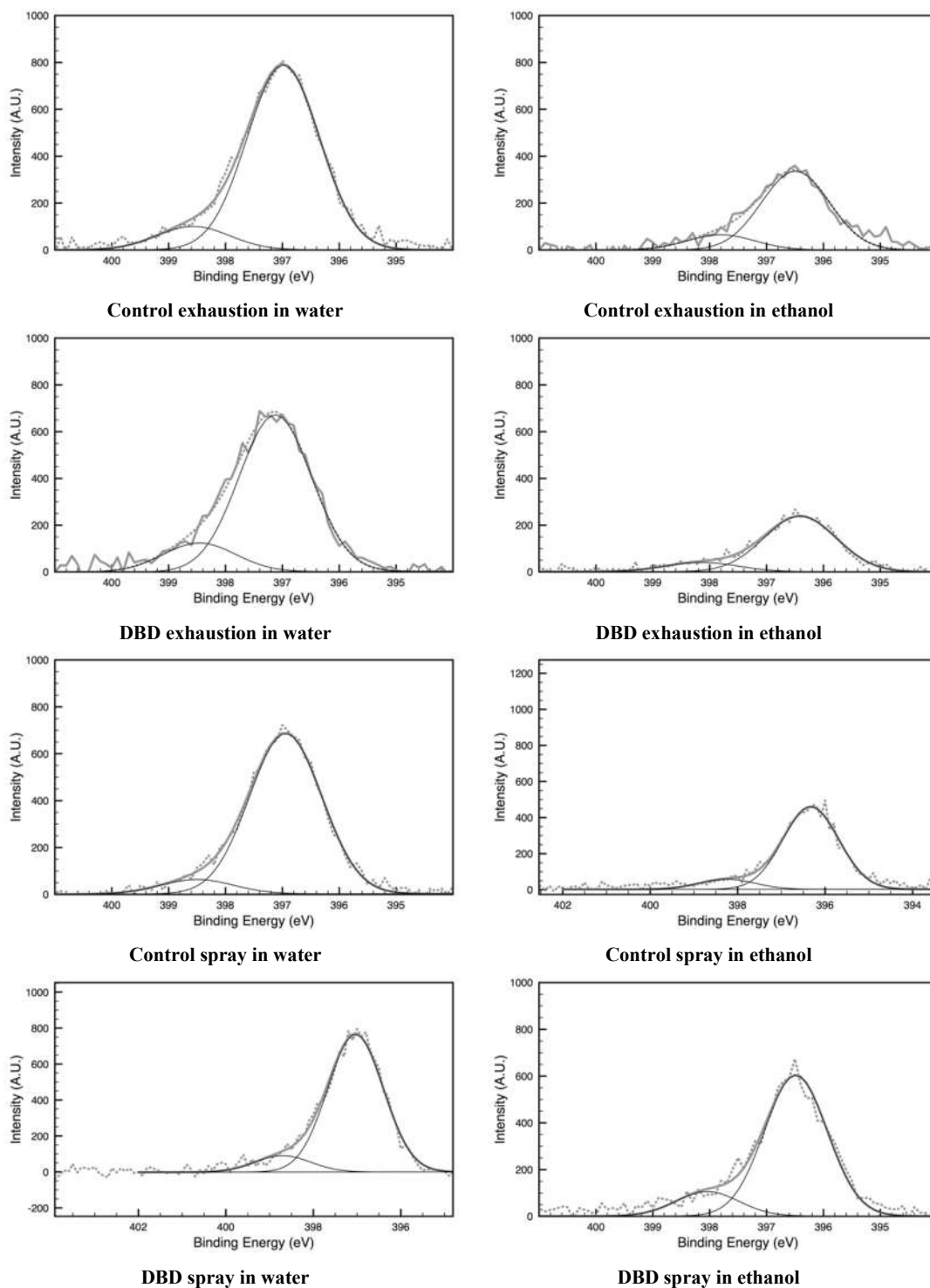
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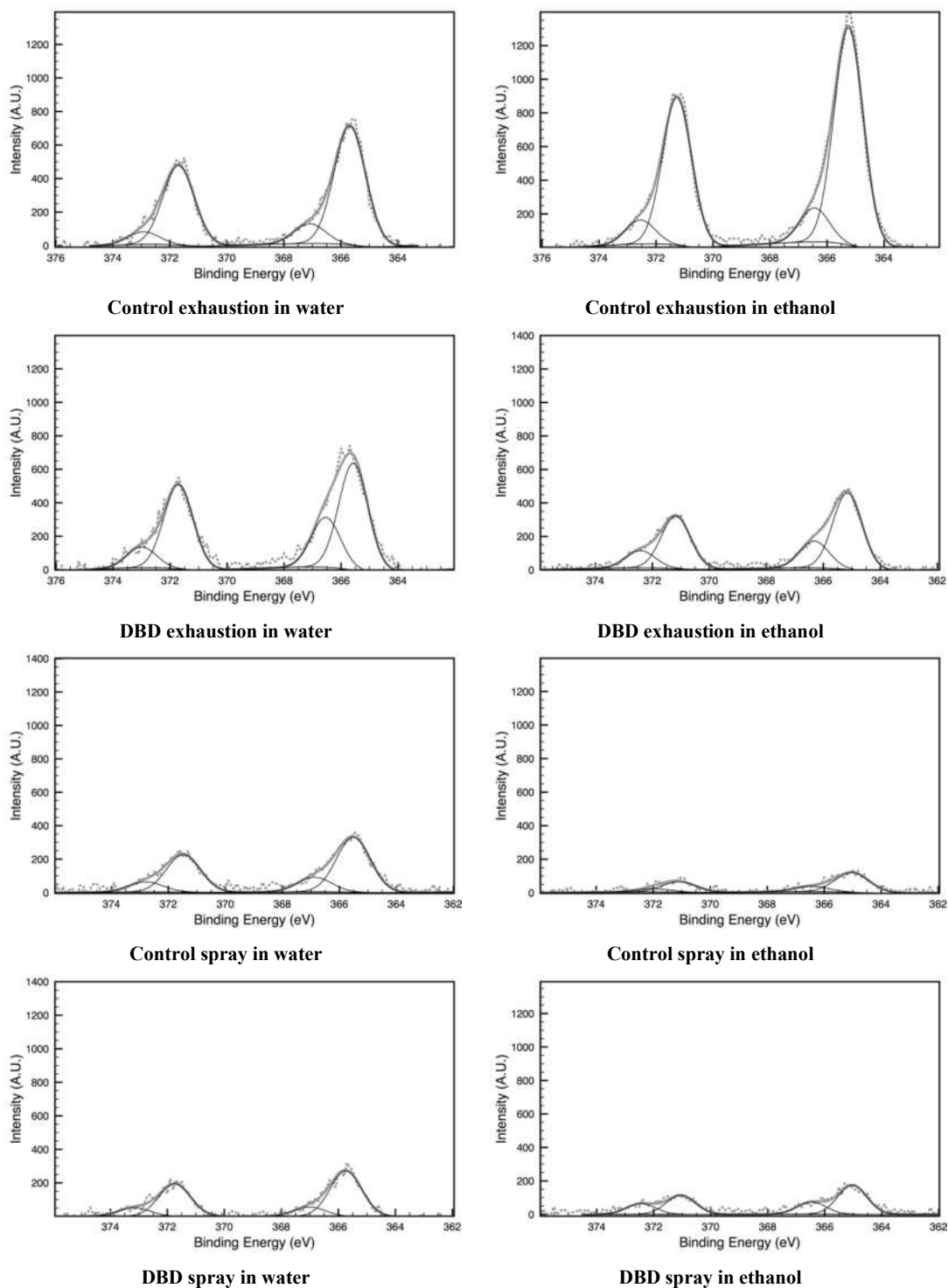
**Figure S1.** - High-resolution deconvoluted XPS spectra of the C1s binding energy region of untreated and DBD plasma-treated PA66 samples with PVP-AgNPs in water (W) and ethanol (E) dispersions deposited by spray (Sp) and exhaustion (Ex) methods.



**Figure S2.** - High-resolution deconvoluted XPS spectra of the O1s binding energy region of untreated and DBD plasma-treated PA66 samples with PVP-AgNPs in water (W) and ethanol (E) dispersions deposited by spray (Sp) and exhaustion (Ex) methods.



**Figure S3.** - High-resolution deconvoluted XPS spectra of the N1s binding energy region of untreated and DBD plasma-treated PA66 samples with PVP-AgNPs in water (W) and ethanol (E) dispersions deposited by spray (Sp) and exhaustion (Ex) methods.



**Figure S4.** - High-resolution deconvoluted XPS spectra of the Ag3d binding energy region of untreated and DBD plasma-treated PA66 samples with PVP-AgNPs in water (W) and ethanol (E) dispersions deposited by spray (Sp) and exhaustion (Ex) methods.



**Figure S5.** - DBD plasma semi-industrial prototype machine (Softal GmbH/University of Minho, Guimarães, Portugal).