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Supporting Information

Adsorption and release of biocides with mesoporous silica nanoparticles

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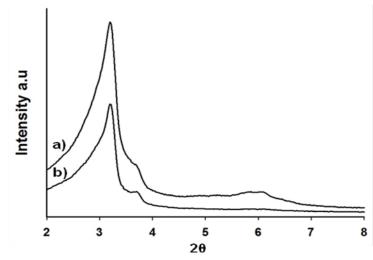


Fig.S1 XRD patterns of a) calcined MCM-48 and b) imidacloprid loaded MCM-48; showing that imidacloprid loaded particles retains 3D cubic structure.

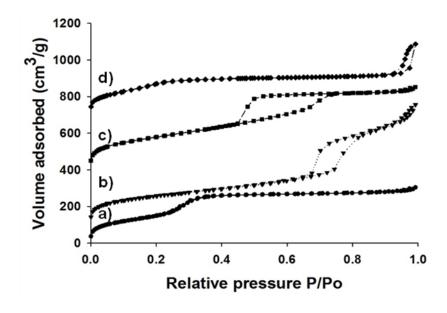


Fig.S2 N₂ adsorption/desorption isotherm of MSNs loaded with imidacloprid a) MCM-41-imi, b) SBA-15-imi, c) IBN-1-imi, d) MCM-48-imi; (The scale on y-axis is shifted by 70, 350, and 690 cm³/g for b, c and d respectively)