Electrochemical Determination of Imidacloprid in Soil Sample Based on Photosynthesized Silver Nanoparticles from *Hypnea musciformis*

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In this communication, we proposed an eco-friendly chemical route for photosynthesizing silver nanoparticles (Ag NPs) using the extract of red alga *Hypnea musciformis* extract. The biosynthesized Ag NPs were characterize using SEM, UV-vis spectroscopy, XRD and FTIR. Further study showed the biosynthesized Ag NPs can be applied for electrode surface modification and used for electrocatalytic determination of imidacloprid in the soil sample.

Keywords: *Hypnea musciformis*; Ag NPs; Biosynthesis; Photosynthesis; Pesticide; Imidacloprid

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