Construction of hydrazine electrochemical sensor using Ag@ZIF as electrode material

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Fig. S1. (a) XPS survey spectrum of Ag@ZIF-8. (b) Zn2p and (c) Ag3d scan of Ag@ZIF-8.



Fig. S2. CV of the SPE and Ag@ZIF-8/SPE in presence of 0.1 M PBS (pH = 7.0) at scan rate of 25 mV/s.



Fig. S3. (a) CV curves of the Ag@ZIF-8/SPE in the presence of 0.5 μ M hydrazine at different pH of 0.1 M PBS (pH = 3.0, 5.0, 7.0, 9.0 and 11.0) under applied potential scan rate of 25 mV/s. (b) Current peak value for the electro-oxidation hydrazine 0.5 μ M hydrazine at different pH of 0.1 M PBS (pH = 3.0, 5.0, 7.0, 9.0 and 11.0) under applied potential scan rate of 25 mV/s.



Fig. S4. (a) Reproducibility, (b) repeatability, and (c) stability of Ag@ZIF-8/SPE for 0.5 μ M hydrazine at scan rate = 25 mV/s.