

**White Sustainable Luminescent Determination of
Nifuroxazide using Nitrogen-Sulphur Co-doped Carbon
Quantum Dots Nanosensor in Bulk and Various
Pharmaceutical Matrices**

Supporting Information

Mai M. Elnaggar^a, Amira F. El-Yazbi^{a*}, Tarek S. Belal^a and Hadil M. Elbardisy^b

^aDepartment of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Alexandria University, Alexandria 21521, Egypt

^bPharmaceutical Analysis Department, Faculty of Pharmacy, Damanhour University, Damanhour, 22511, Egypt

*Corresponding Author, Tel.: +20 34871317; fax: +20 34873273. E-mail address: amira.elyazbi@alexu.edu.eg

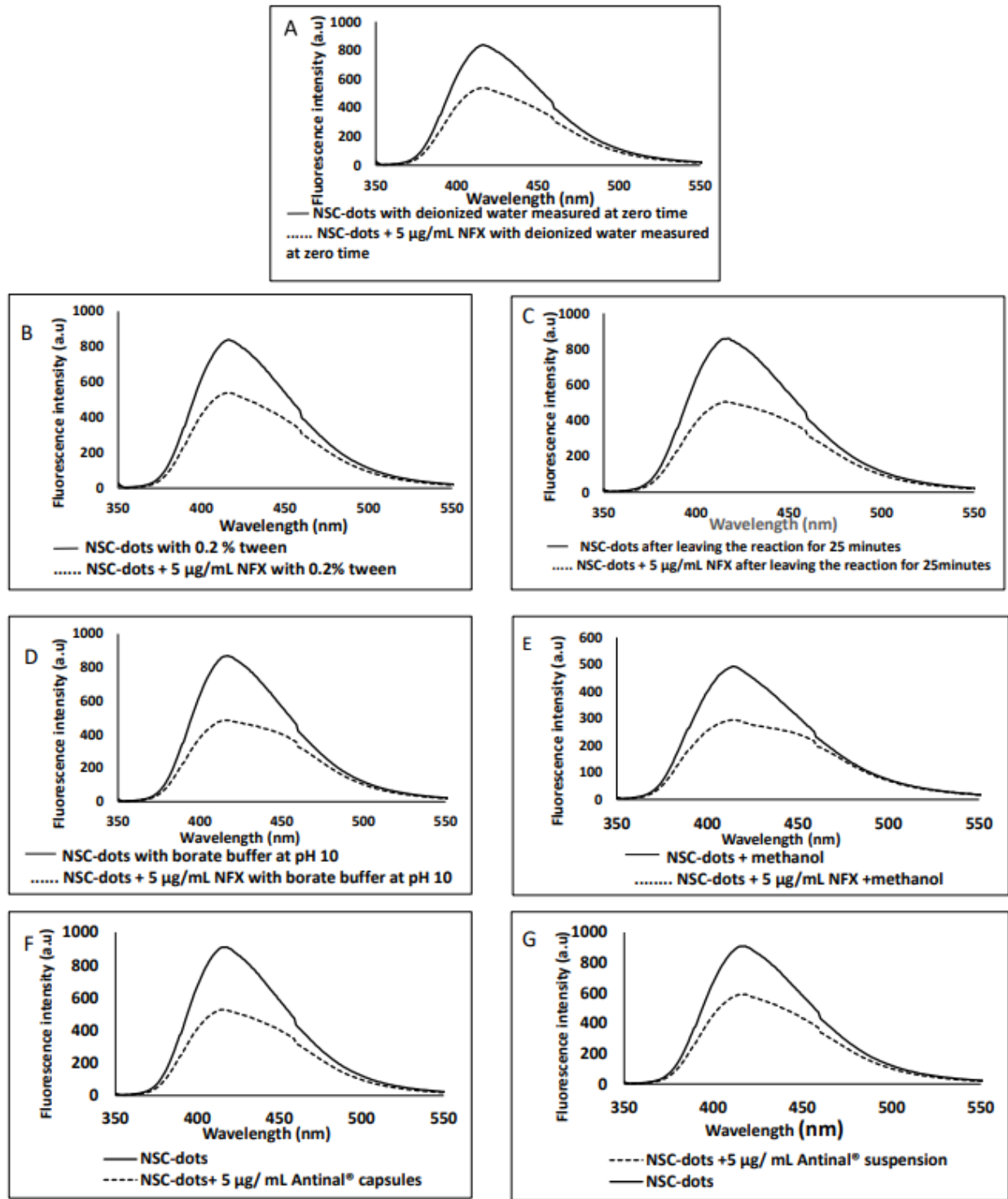


Fig. S1a. Fluorescence emission spectra of NSC-dots and standard 5 µg/mL NFX + NSC-dots in deionized water measured at zero time.

Fig. S1b. Effect of adding 0.2 % of tween on NSC dots and on NSC-dots + 5 µg/mL NFX.

Fig. S1c. Effect of leaving the reaction of NSC dots for 25 minutes and of NSC-dots + 5 µg/mL NFX for 25 minutes.

Fig. S1d. Effect of adding 2 mL of 25 mmolar borate buffer pH 10.

Fig. S1e. Effect of using methanol as diluting solvent for NSC dots and for NSC-dots + 5 $\mu\text{g/mL}$ NFX.

Fig. S1f. Fluorescence emission spectrum of NSC-dots and fluorescence emission spectrum of 5 $\mu\text{g/mL}$ Antinal[®] capsules+ NSC-dots.

Fig. S1g. Fluorescence emission spectrum of NSC-dots and fluorescence emission spectrum of 5 $\mu\text{g/mL}$ Antinal[®] suspension + NSC-dots.