

Electronic Supplementary Material

Red Luminescent Europium Metal Organic Framework (Eu-MOF) Integrated with Paper Strip Using Smartphone Visual Detection for Determination of Folic Acid in Pharmaceutical Formulations

Kawan F. Kayani^a and Khalid M. Omer^{*a}

^a Center for biomedical Analysis, Department of Chemistry, College of Science, University of Sulaimani, Qliasan St, 46002, Slemani City, Kurdistan Region, Iraq.

Corresponding address: khalid.omer@univsul.edu.iq

Table of contents:

Figure 1S. SEM images of the solid Eu-MOF.....3

Figure 2S. The stability of the prepared Eu-MOF.3

Figure 3S. The stability of the prepared Eu-MOF in different solvents.4

Figure 4S. The stability of the Eu-MOF in various solvents (Bar graph).4

Figure 5S. The fluorescence intensity of the paper strips after immersed in the FA solutions.5

Figure 6S. The recovery dates of the paper strips in real samples.....5

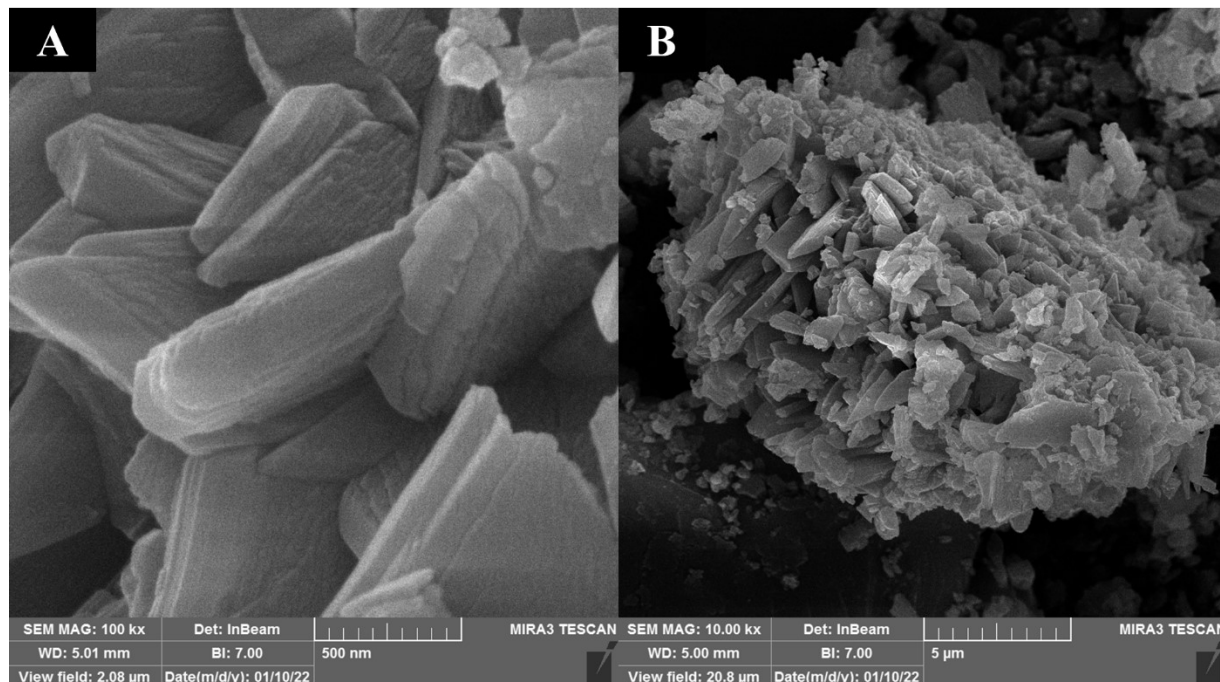


Figure 1S. SEM images of the solid Eu-MOF.

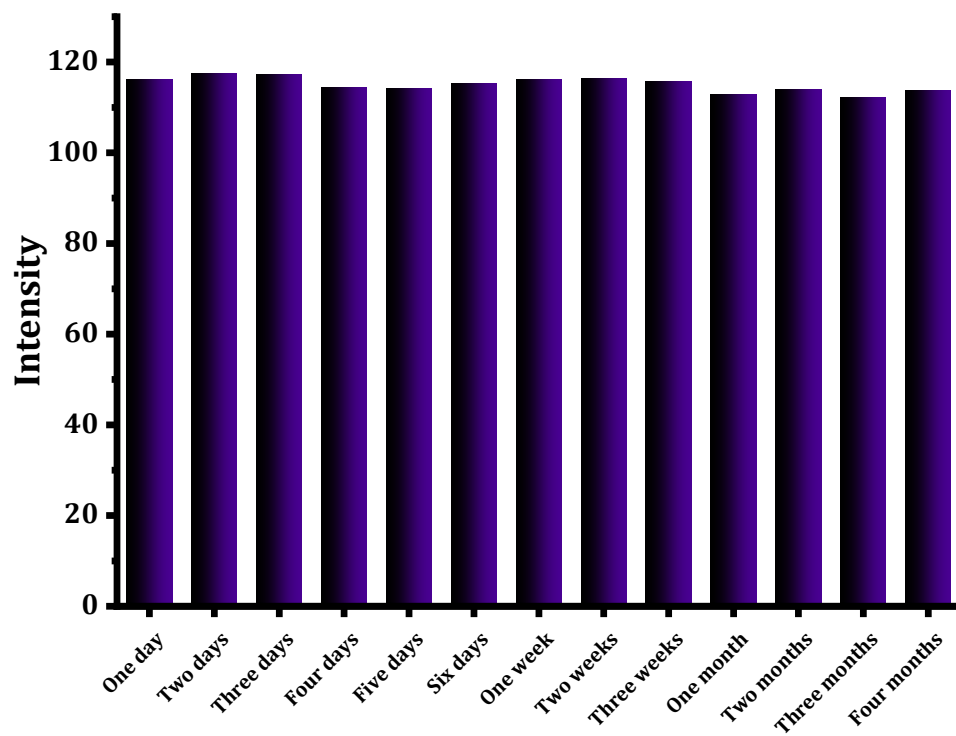


Figure 2S. The stability of the prepared Eu-MOF.

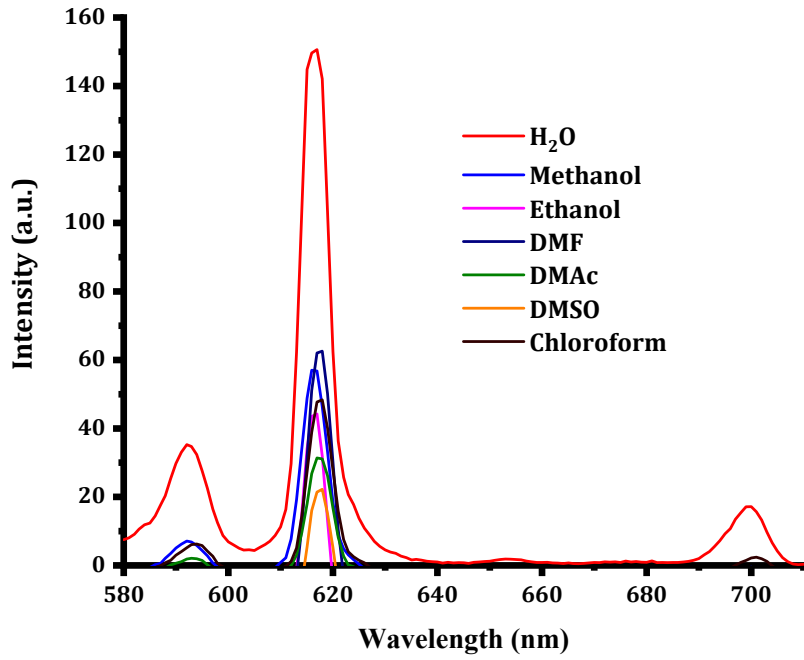


Figure 3S. The stability of the prepared Eu-MOF in different solvents.

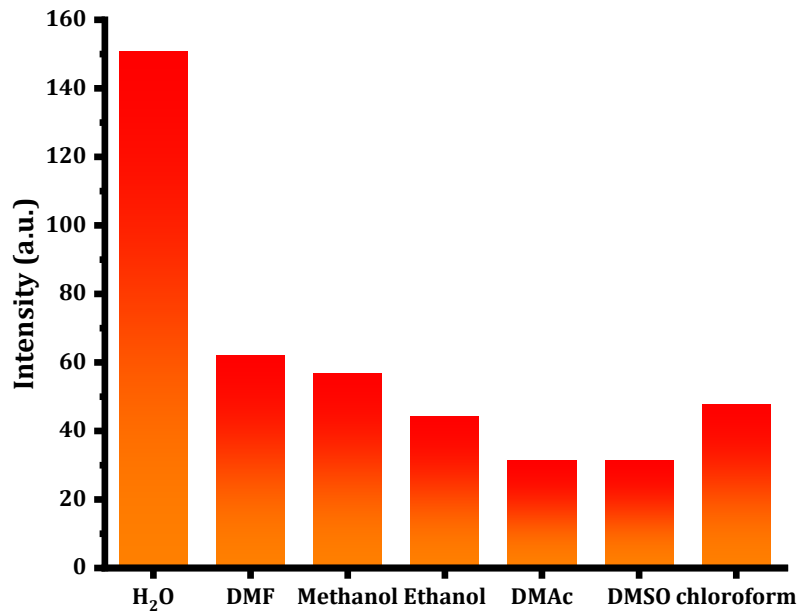


Figure 4S. The stability of the Eu-MOF in various solvents (Bar graph).

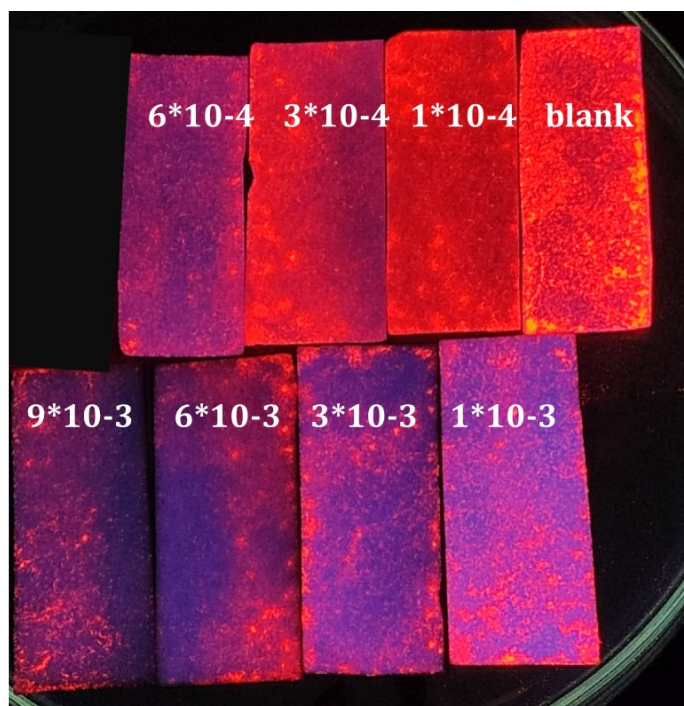


Figure 5S. The fluorescence intensity of the paper strips after immersed in the FA solutions.



Figure 6S. The recovery dates of the paper strips in real samples.