

First Organic Fluorescent Immunoassay for the Detection of *Enterobacter cloacae* in Food Matrixes

Kathiravan Shenbagavalli^a, Kannan Suganya^b, Ellairaja Sundaram^c,
Marudhamuthu Murugan^{e*}, Vairathevar SivasamyVasantha^{a*}

^a Department of Natural Products Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai-625 021,

Tamil Nadu, India

^b Central Research Laboratory, Vinayaka Mission's, Medical College and Hospital, Vinayaka Mission's Research

Foundation, Karaikal-609 609, India.

^c Department of chemistry, Vivekananda College, Tiruvedakam, West, Madurai- 625234, Tamilnadu, India.

^e Department of Microbial Technology, School of Biological Science, Madurai Kamaraj University, Madurai-625021, Tamil Nadu, India

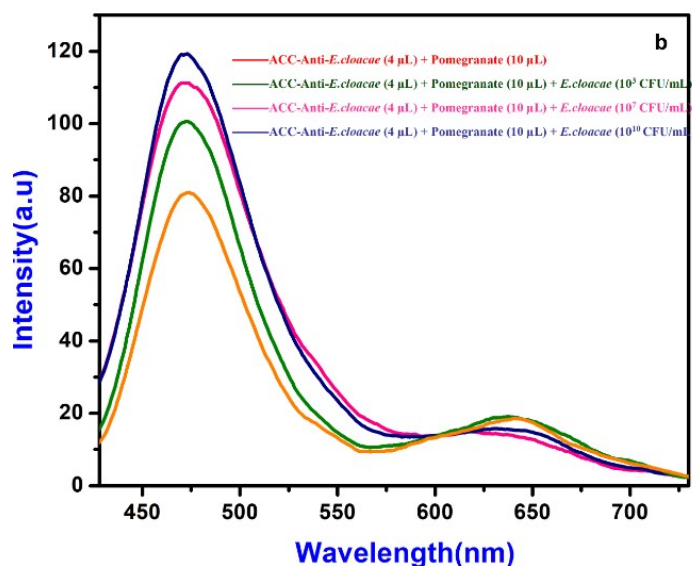
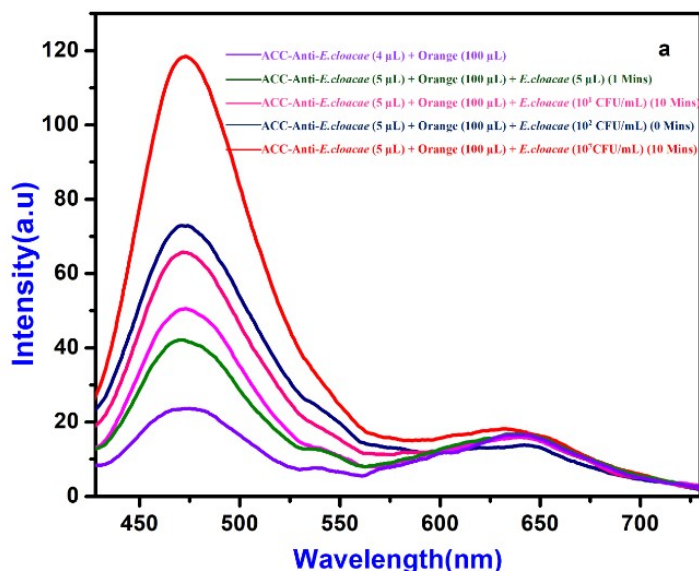
Corresponding Author*

E-mail: vasantham999@yahoo.co.in

SUPPORTING INFORMATION:

1. Real sample analysis

1. Real sample analysis corresponding emission spectra



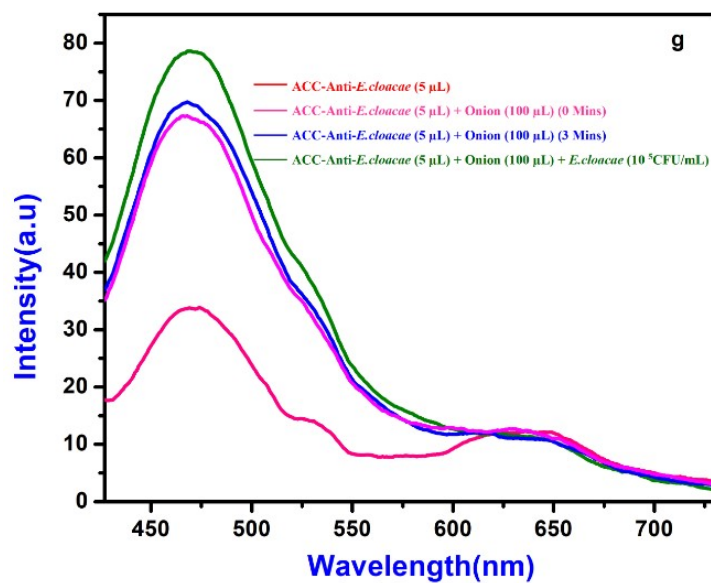
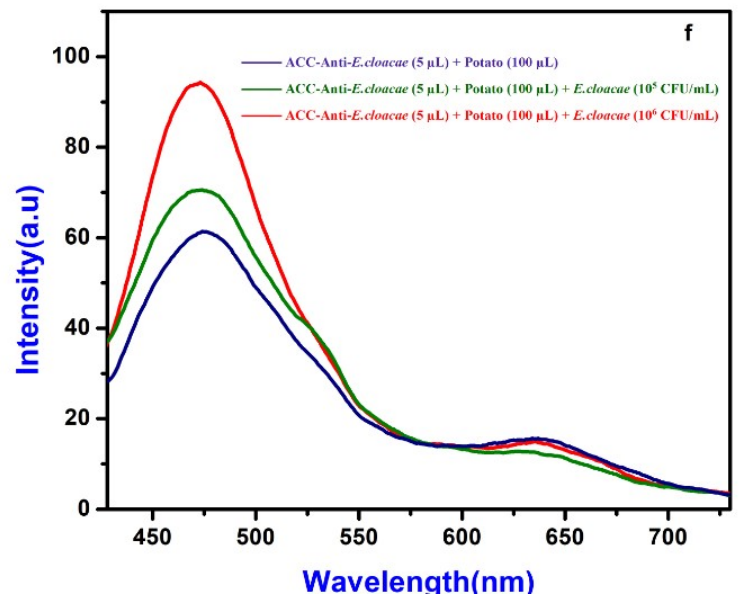
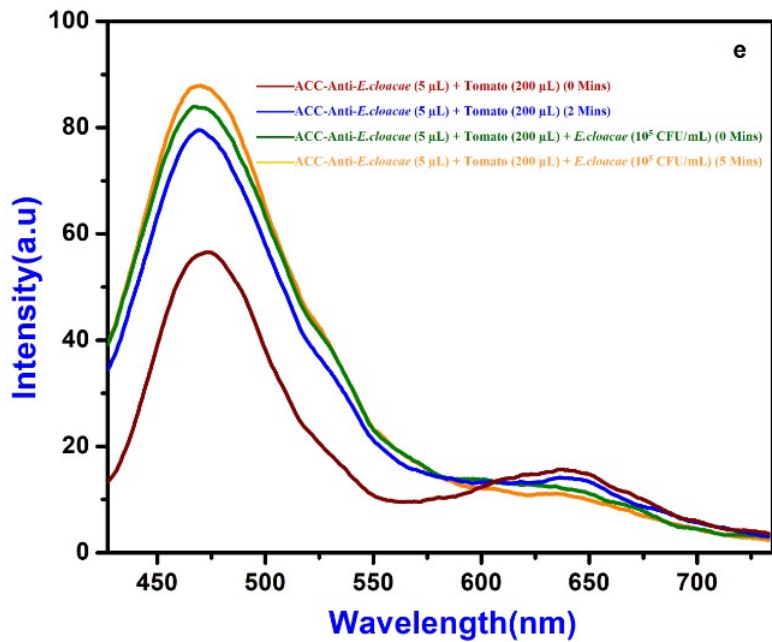
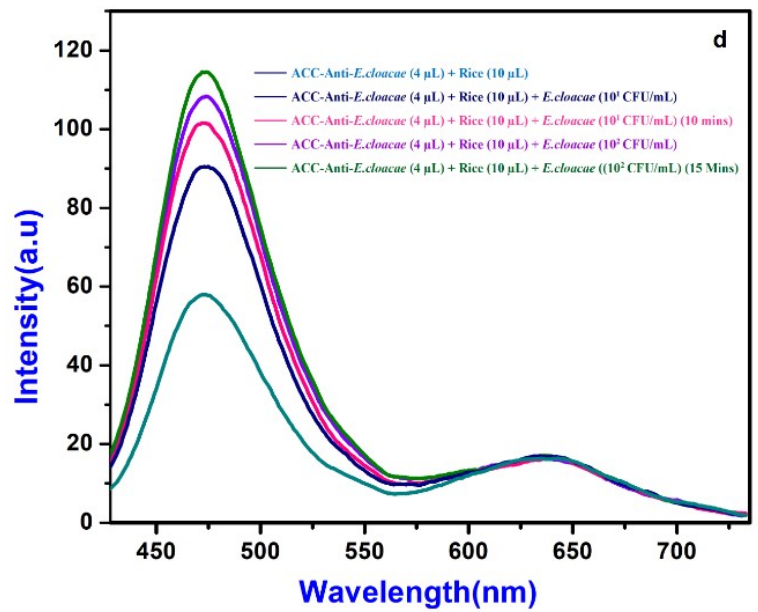
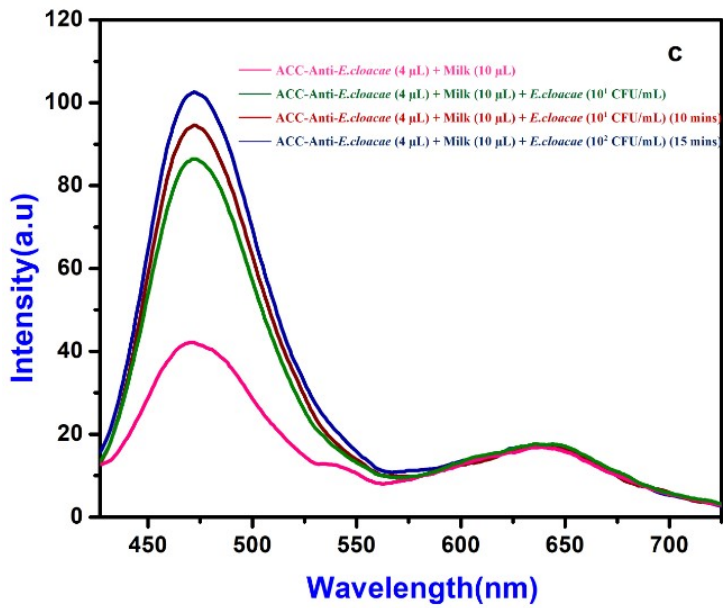


Figure S10. Emission responses of ACC-Anti- *E.cloacae* for the different samples from orange, pomegranate, milk, rice, tomato, potato and onion following known different concentrations spiked methods (e) [Concentration of ACC is 0.001 M; Total Concentration of ACC-Anti-*E.cloacae* is 100 mg/100 mL and ACC-Anti-*E.cloacae* is 0.005 mg/100 μ L, *E.cloacae* is 1mg/1 mL in dilution concentration (other interferences) in PBS buffer pH=7.4, incubation time is 5 mins].