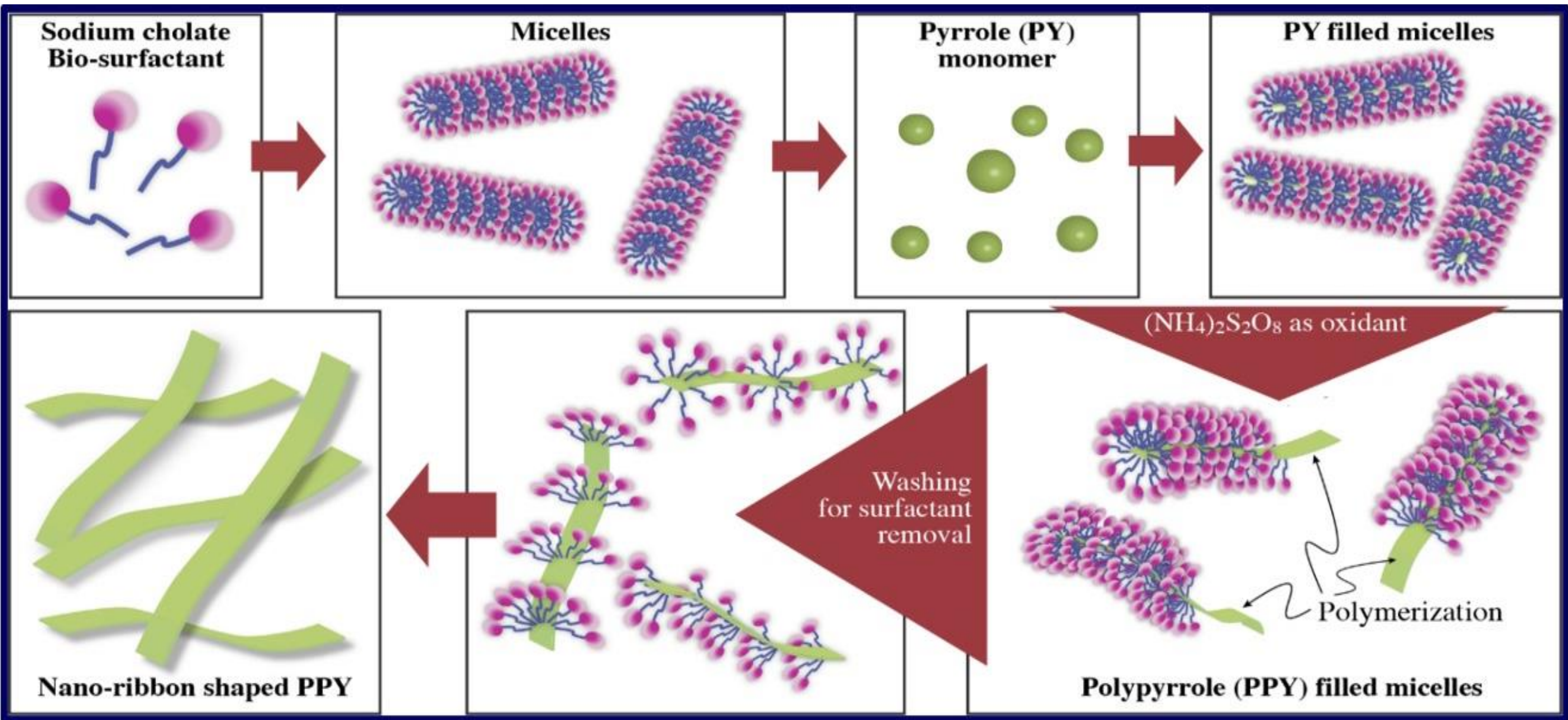


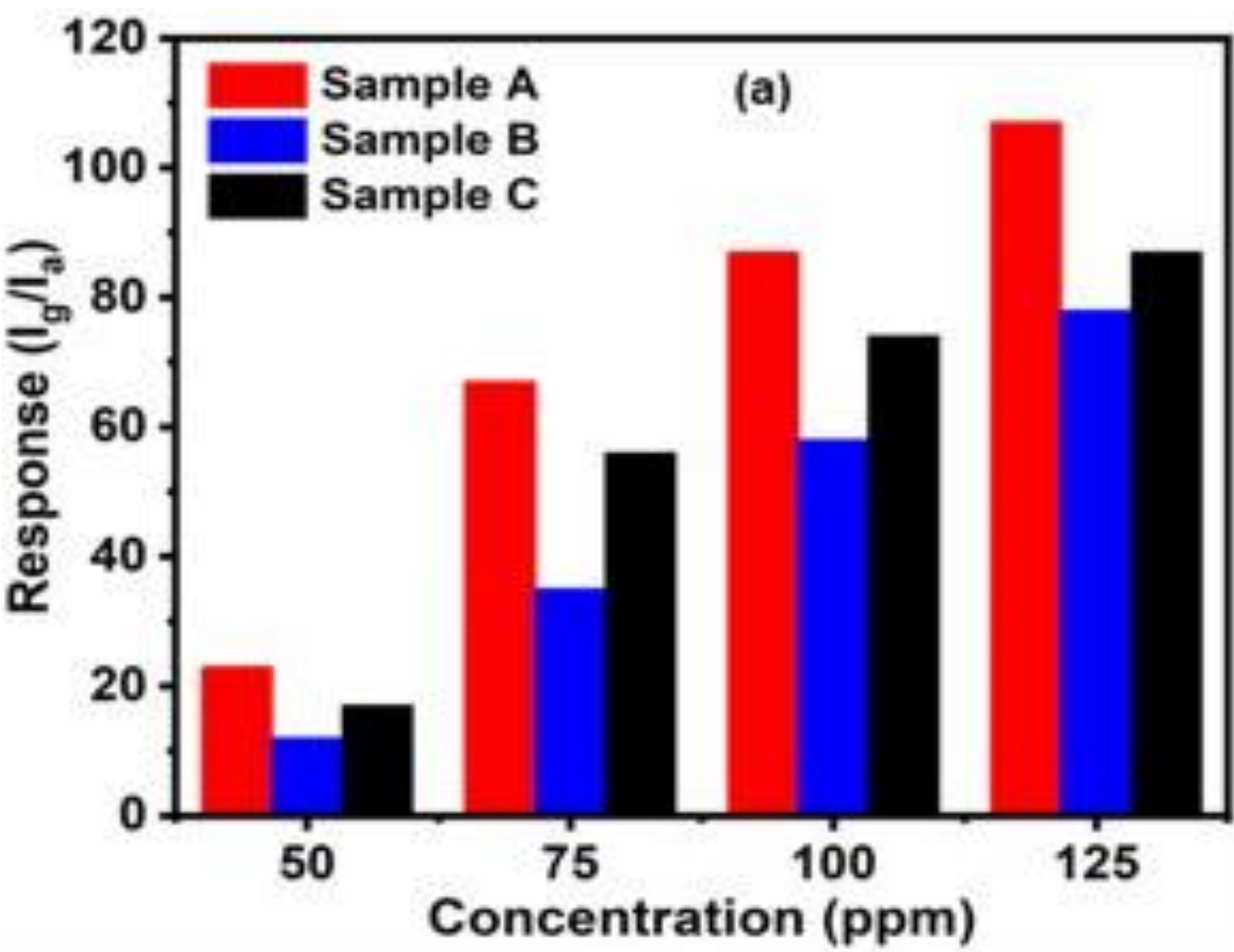
Na-cholate mediated synthesis of PPY nanoribbons for Ethanol sensing

Jyotishka Nath

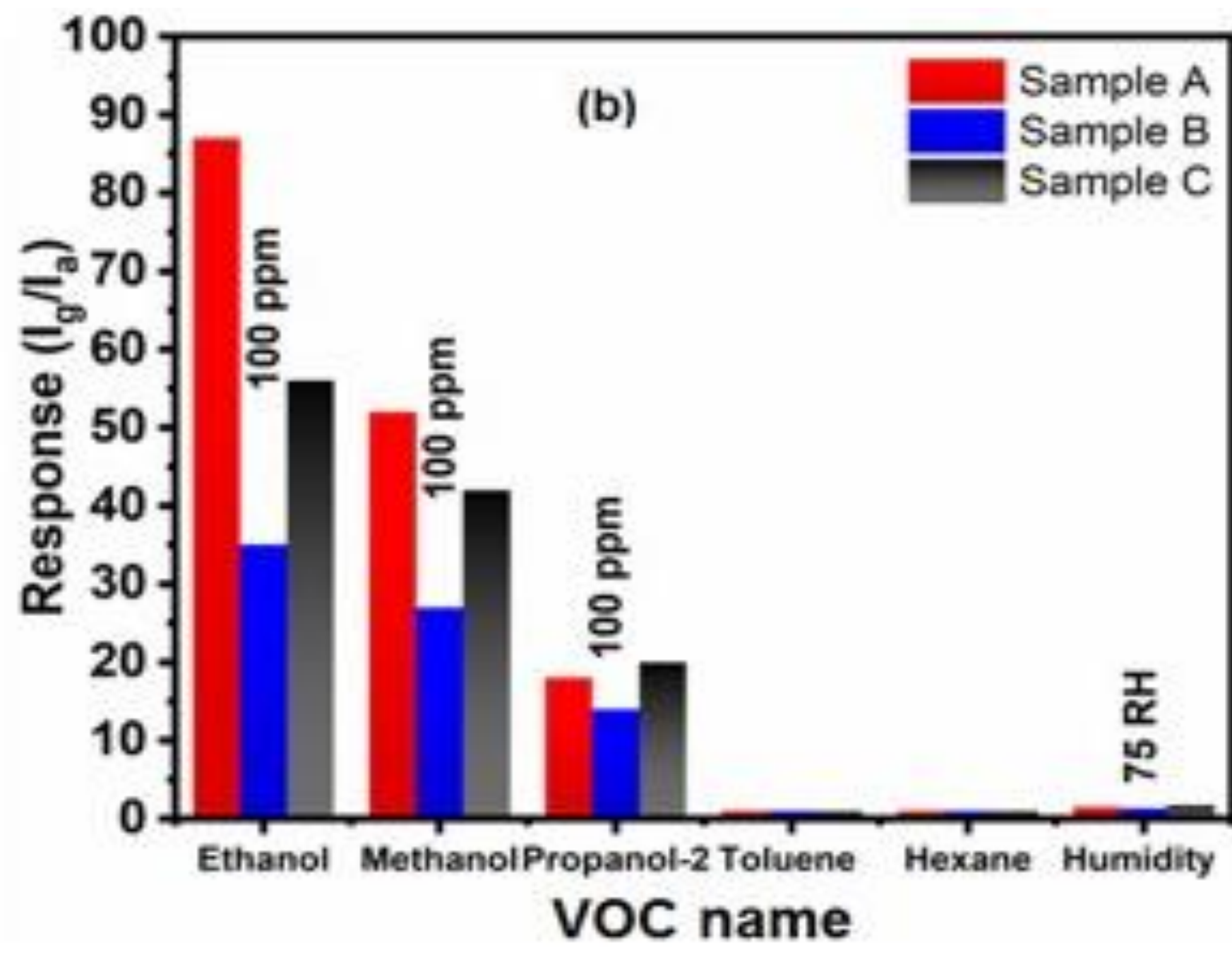
Synthesis Scheme



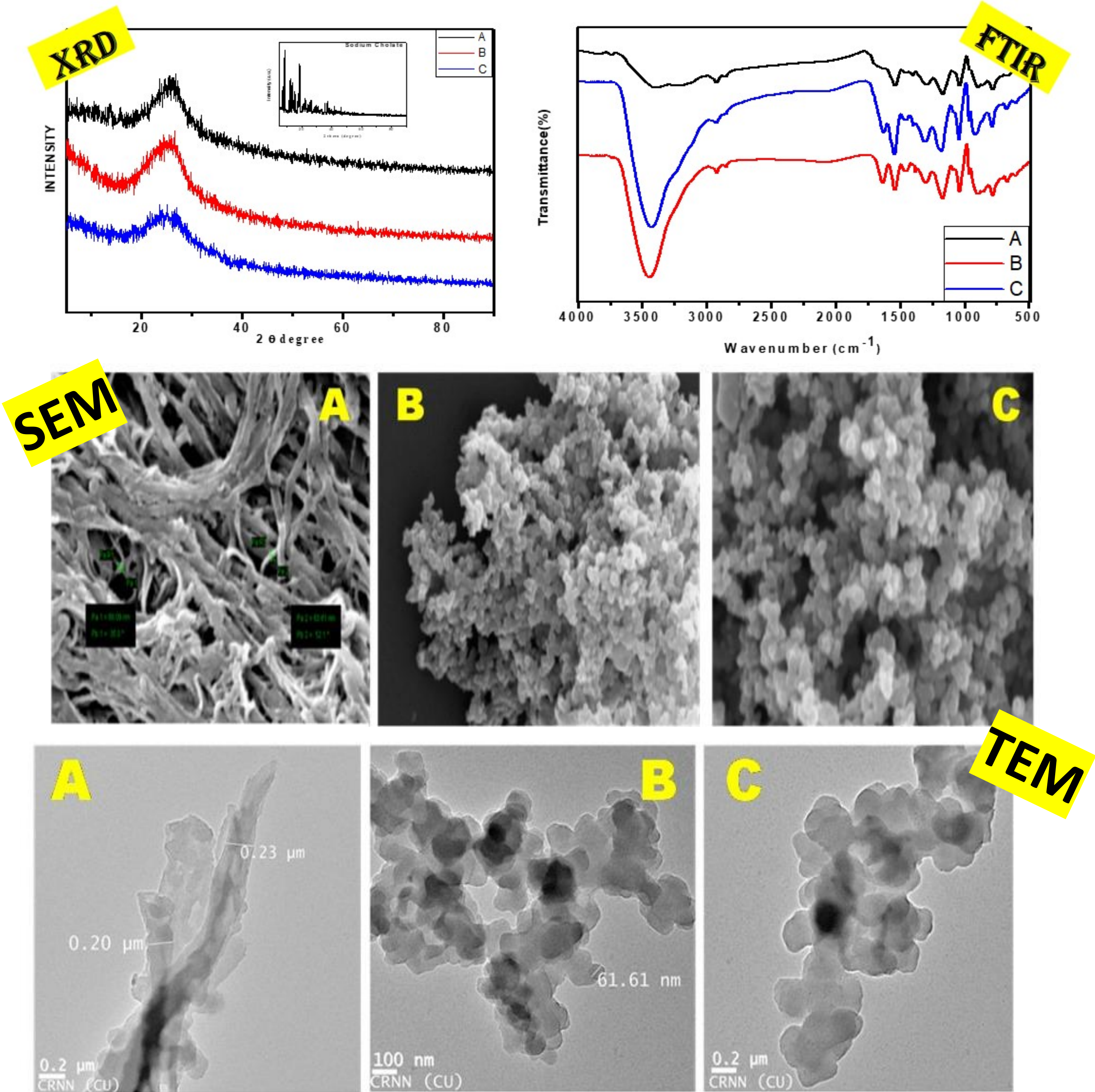
Sample designation	Properties	
	Surfactant (sodium cholate) conc.	Oxidant
A	16 mM (above CMC)	APS
B	7 mM (below CMC)	APS
C	0 mM (No surfactant)	APS



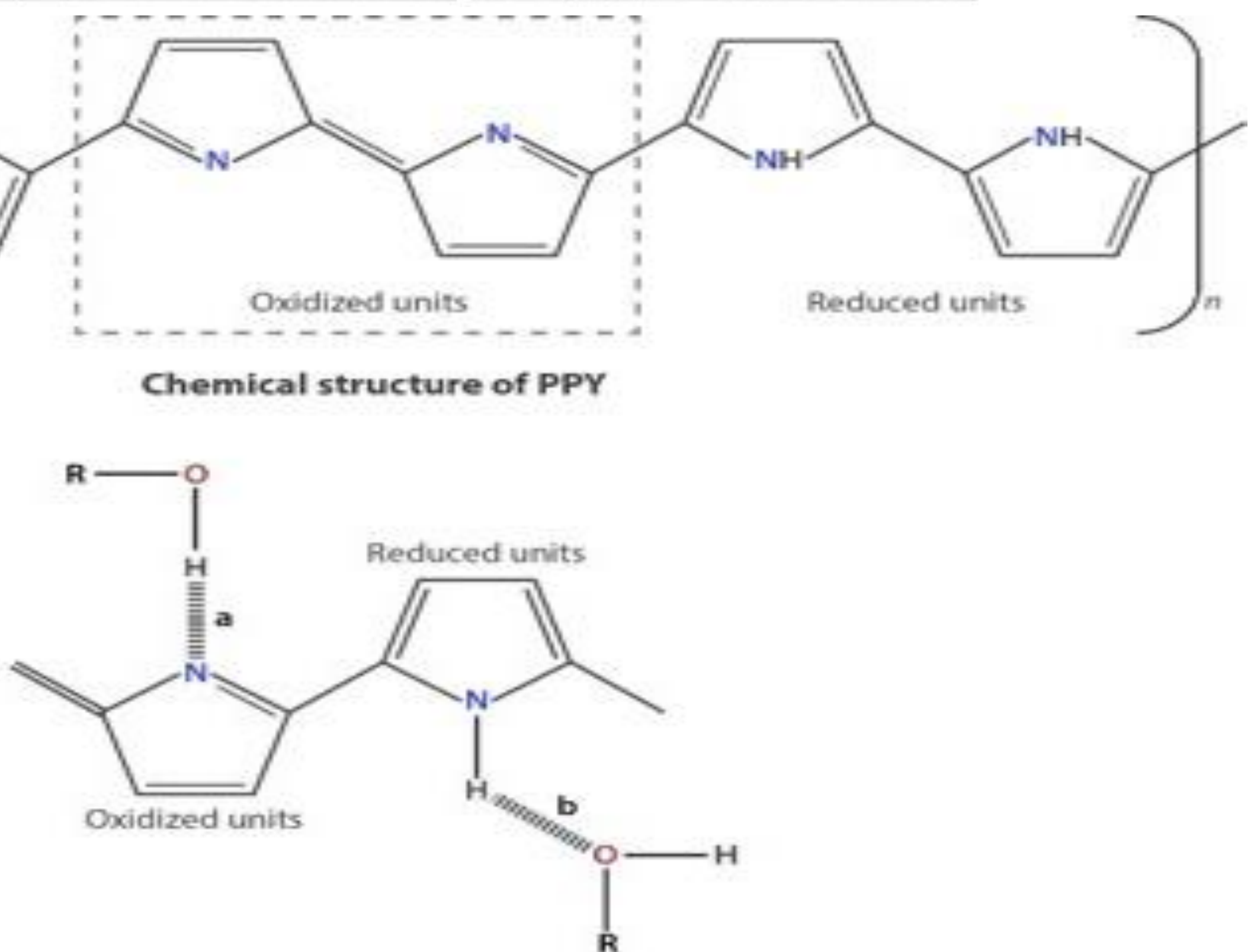
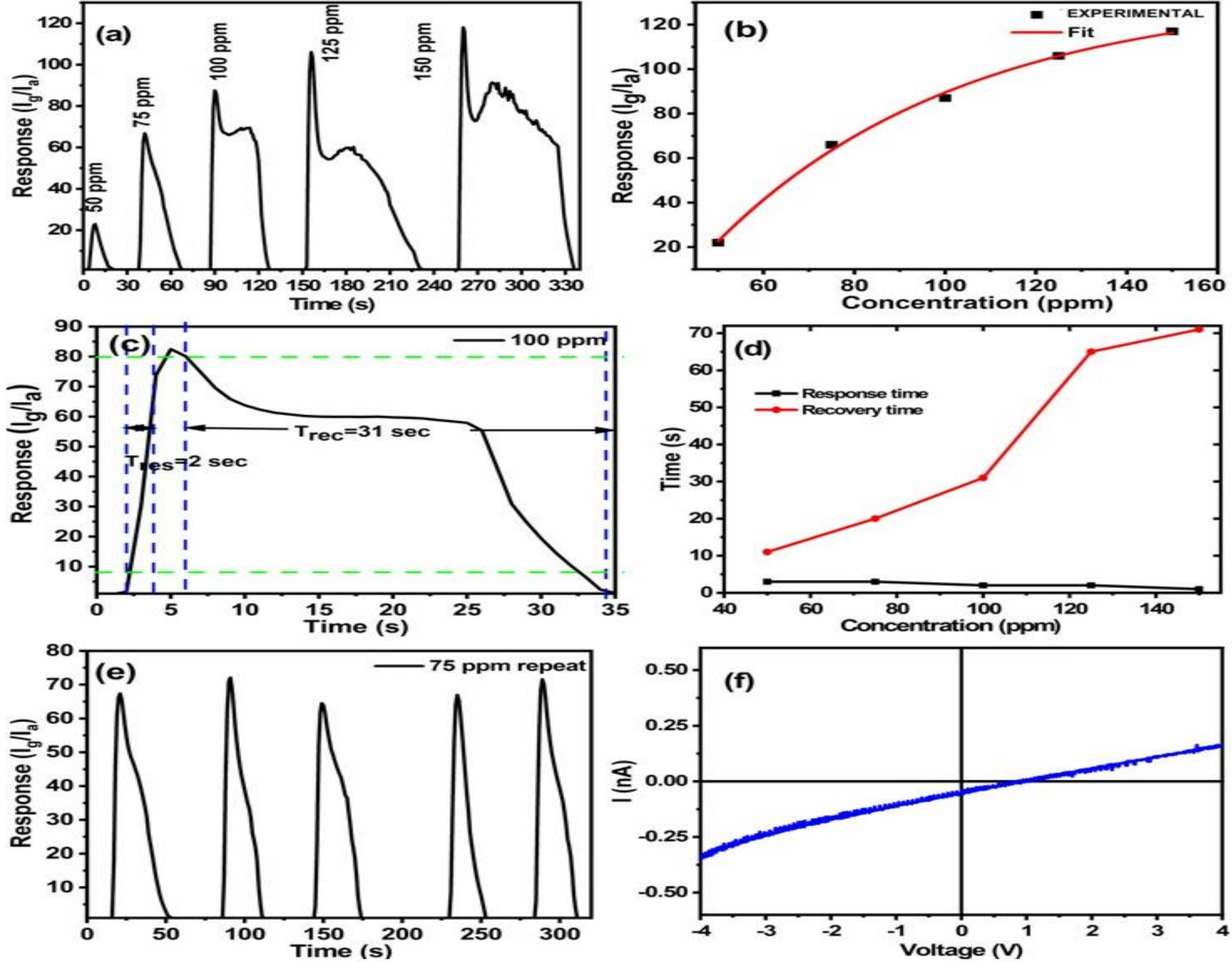
RESPONSES OF THREE SAMPLES AGAINST DIFFERENT CONCENTRATIONS OF ETHANOL



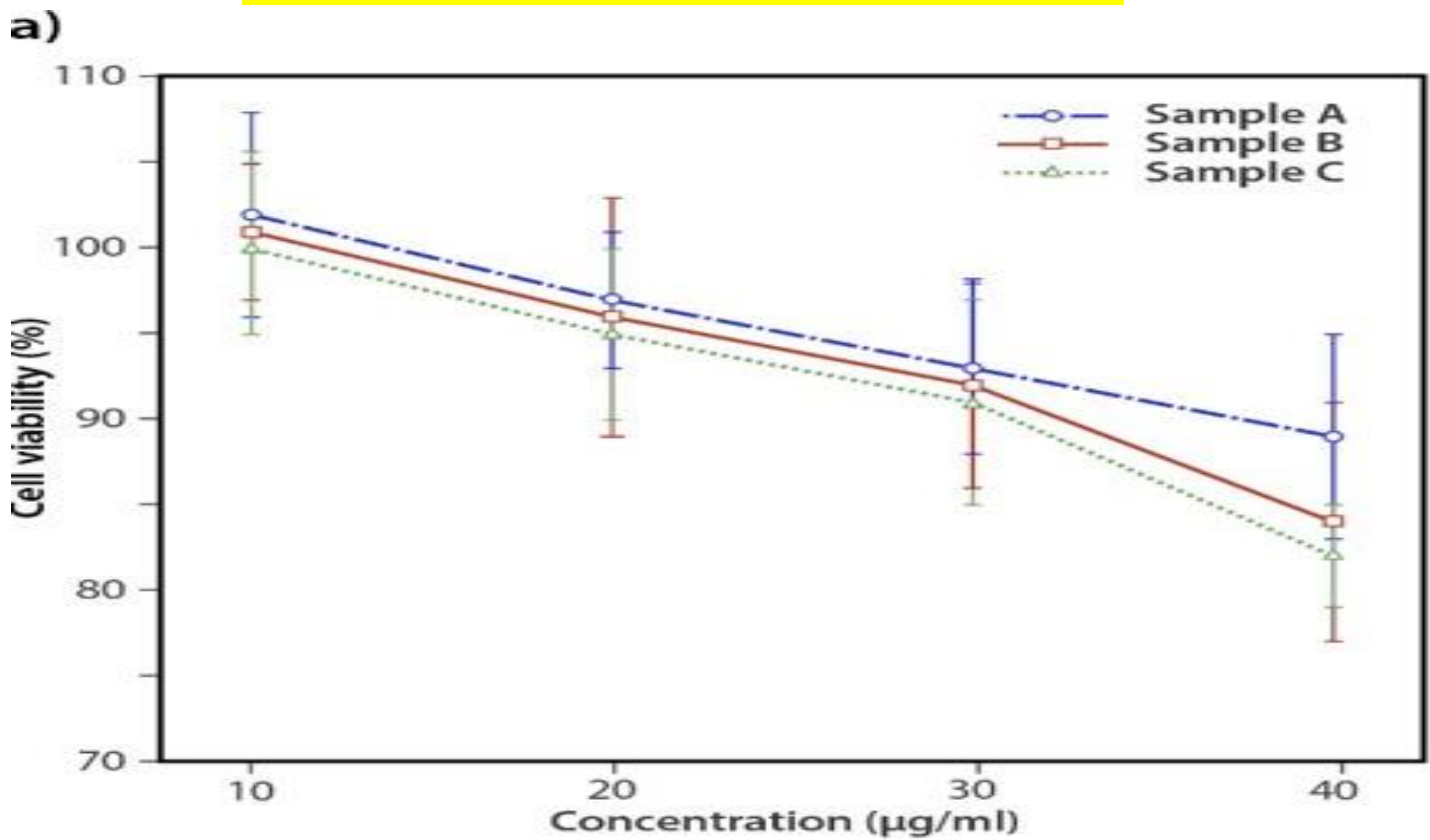
AGAINST 100 ppm OF DIFFERENT VOCs



PLAUSIBLE MECHANISM



RESPONSE AND RECOVERY STUDIES



CYTOTOXICITY STUDIES