Figure 1
Figure 2

![Graph showing % loss of NH₄Cl with different metal ions and time periods. The graph compares no ions, Al³⁺, Fe²⁺, Al³⁺/Fe²⁺, and Cu²⁺ with 24 h and 8 h time periods.]
Figure 3
Figure 5
Figure 6
Figure 7

(a) none
(b) $\text{Al}^{3+}$
(c) $\text{Fe}^{2+}$
(d) $\text{Al}^{3+}/\text{Fe}^{2+}$
(e) $\text{Cu}^{2+}$

(normalized absorbance ratio vs. time of exposure/h)
Figure 8

![Graph showing percentage reduction in PA (II) peak for different metal ions.](image)