

TERNARY SURFACE COMPLEX: COADSORPTION OF Cu(II), Zn(II), Cd(II) AND NITRILOTRIS(METHYLENE PHOSPHONIC) ACID ONTO BOEHMITE

María C. Zenobi* y Elsa H. Rueda

Departamento de Química, Universidad Nacional del Sur, Avda. Alem 1253, (B8000CPB) Bahía Blanca, Argentina

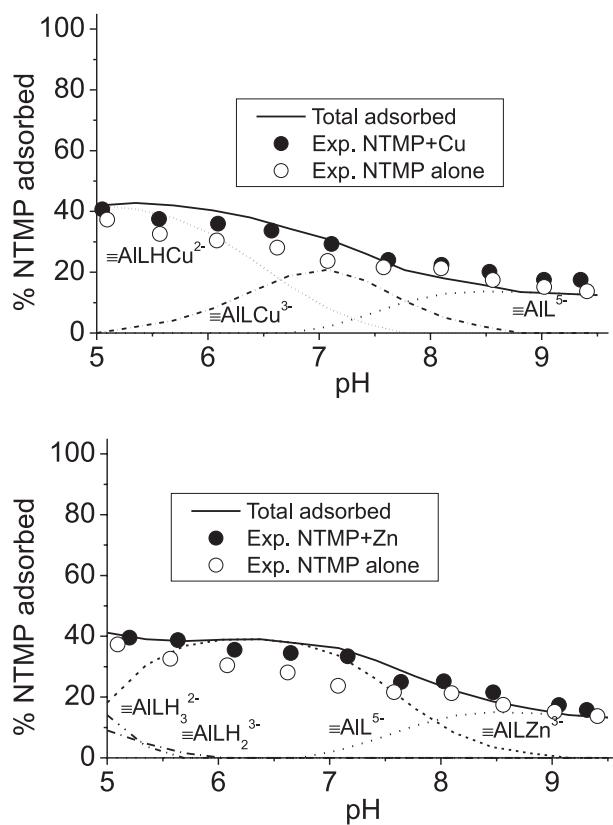


Figura 1S. Percentage NTMP 5×10^{-4} M adsorbed vs. pH in the presence of Cu(II) and Zn(II) 5×10^{-4} M. The curves are calculated using the constants from Table 1. Conditions: 1 g/L boehmite, 0.1 M NaNO₃

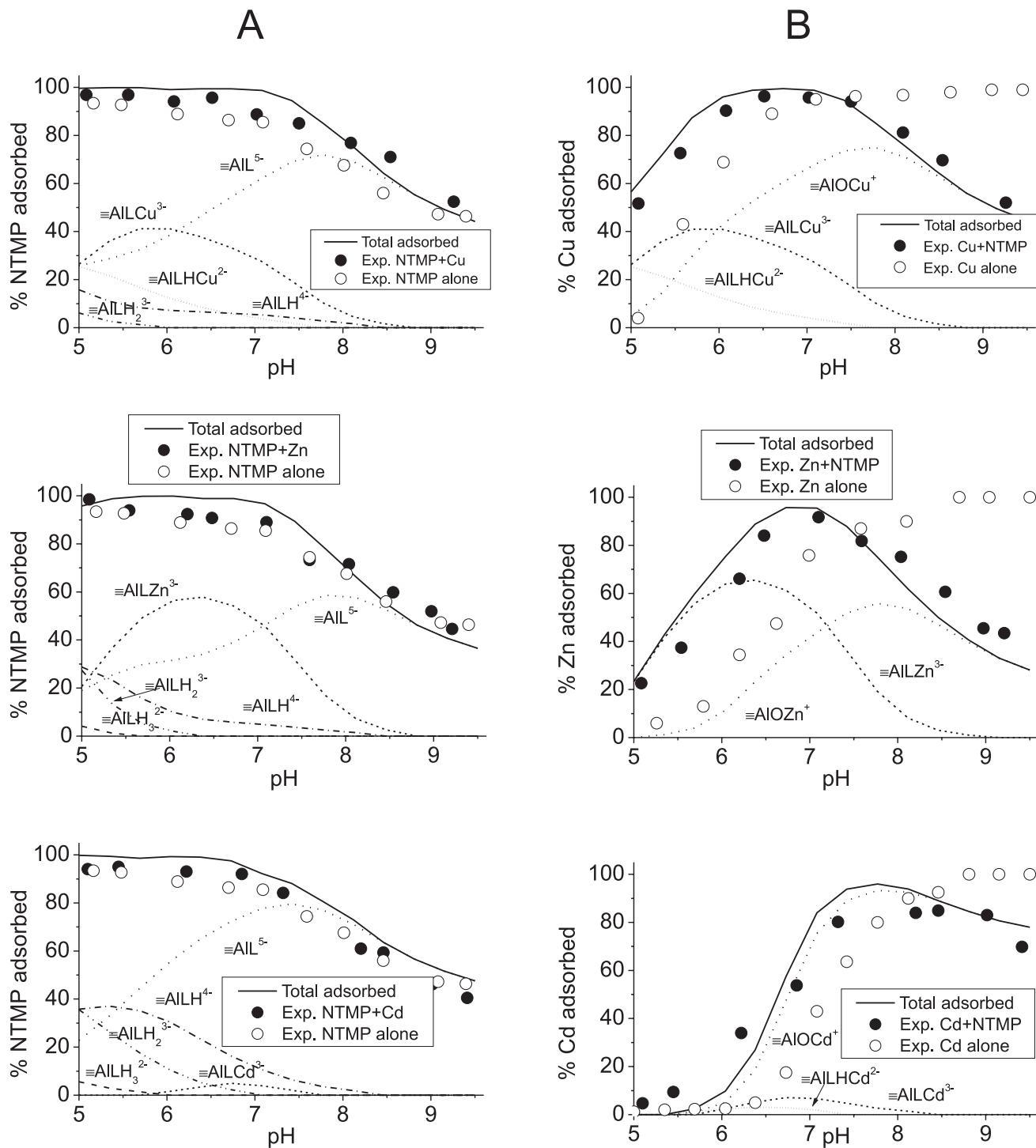


Figura 2S. A. Percentage NTMP 1×10^{-4} M adsorbed vs. pH in the presence of Cu(II), Zn(II) and Cd(II) 1×10^{-4} M. The curves are calculated using the constants from Table I. Conditions: 1 g/L boehmite, 0.1 M NaNO₃. B. Percentage Cu(II), Zn(II) and Cd(II) 1×10^{-4} M adsorbed vs. pH in the presence of NTMP 1×10^{-4} M. The curves are calculated using the constants from Table I. Conditions: 1 g/L boehmite, 0.1 M NaNO₃.

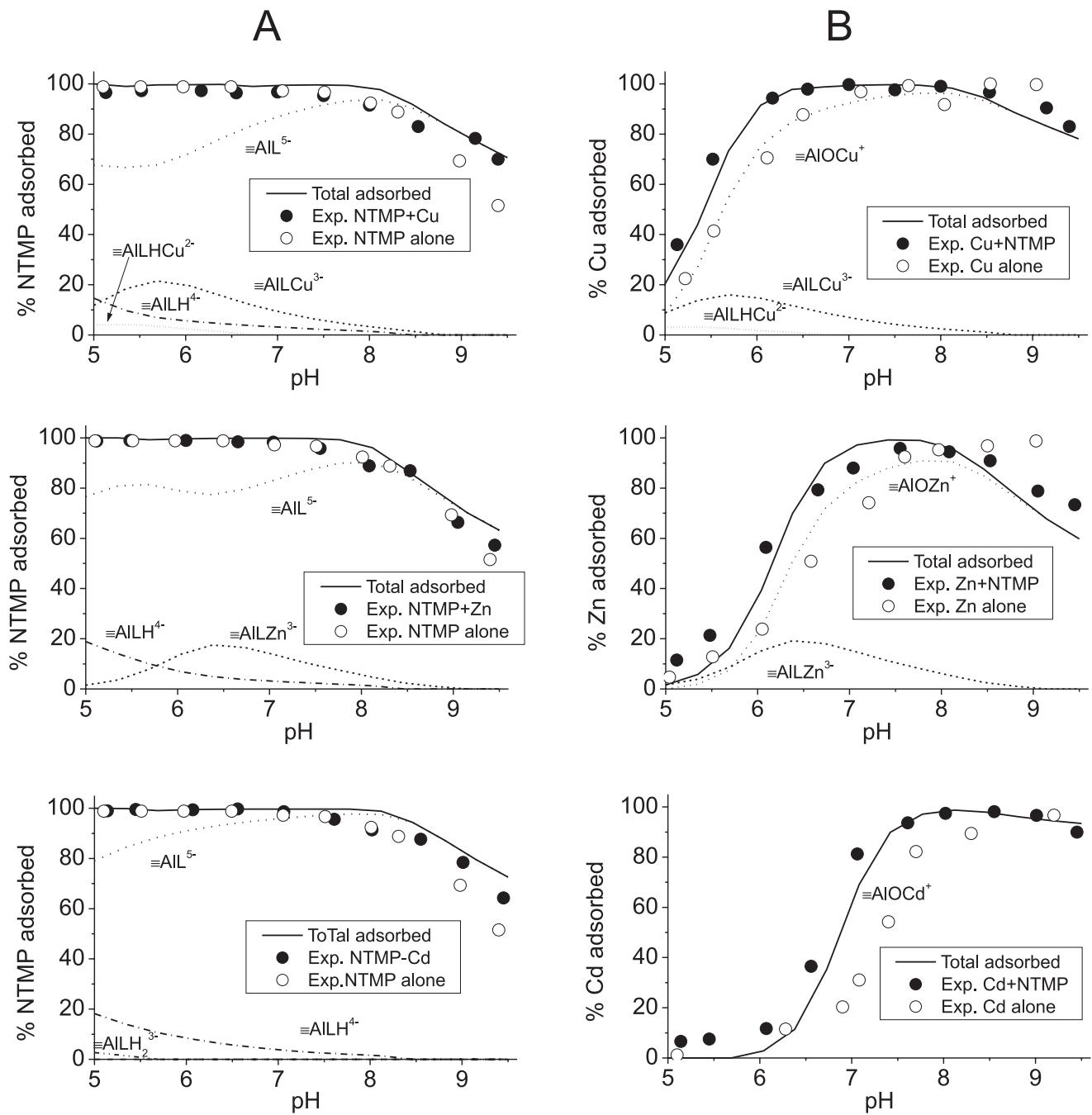


Figura 3S. A. Percentage $5 \times 10^{-5} M$ NTMP adsorbed vs. pH in the presence of Cu(II) , Zn(II) and Cd(II) $5 \times 10^{-5} M$. The curves are calculated using the constants from Table 1. Conditions: 1 g/L boehmite, $0.1 M \text{NaNO}_3$. B. Percentage Cu(II) , Zn(II) and Cd(II) $5 \times 10^{-5} M$ adsorbed vs. pH in the presence of $5 \times 10^{-5} M$ NTMP. The curves are calculated using the constants from Table 1. Conditions: 1 g/L boehmite, $0.1 M \text{NaNO}_3$.

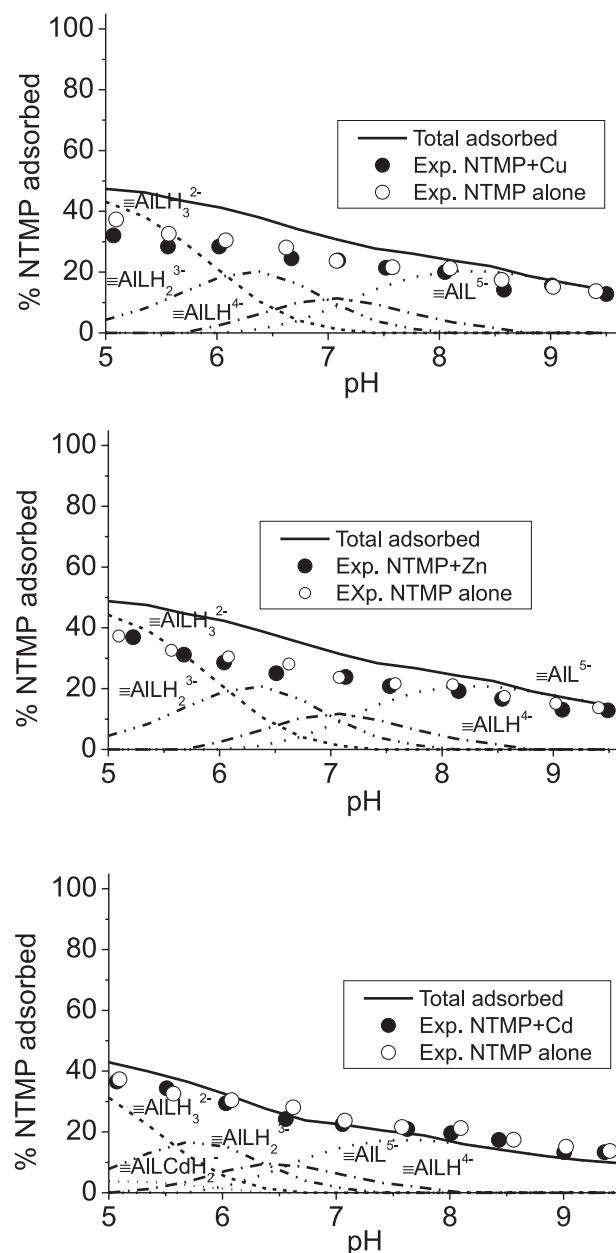


Figura 4S. Percentage $\text{NTMP } 5 \times 10^{-4} \text{ M}$ adsorbed vs. pH in the presence of Cu(II) , Zn(II) and $\text{Cd(II)} 1 \times 10^{-4} \text{ M}$. The curves are calculated using the constants from Table I. Conditions: 1 g/L boehmite, 0.1 M NaNO_3

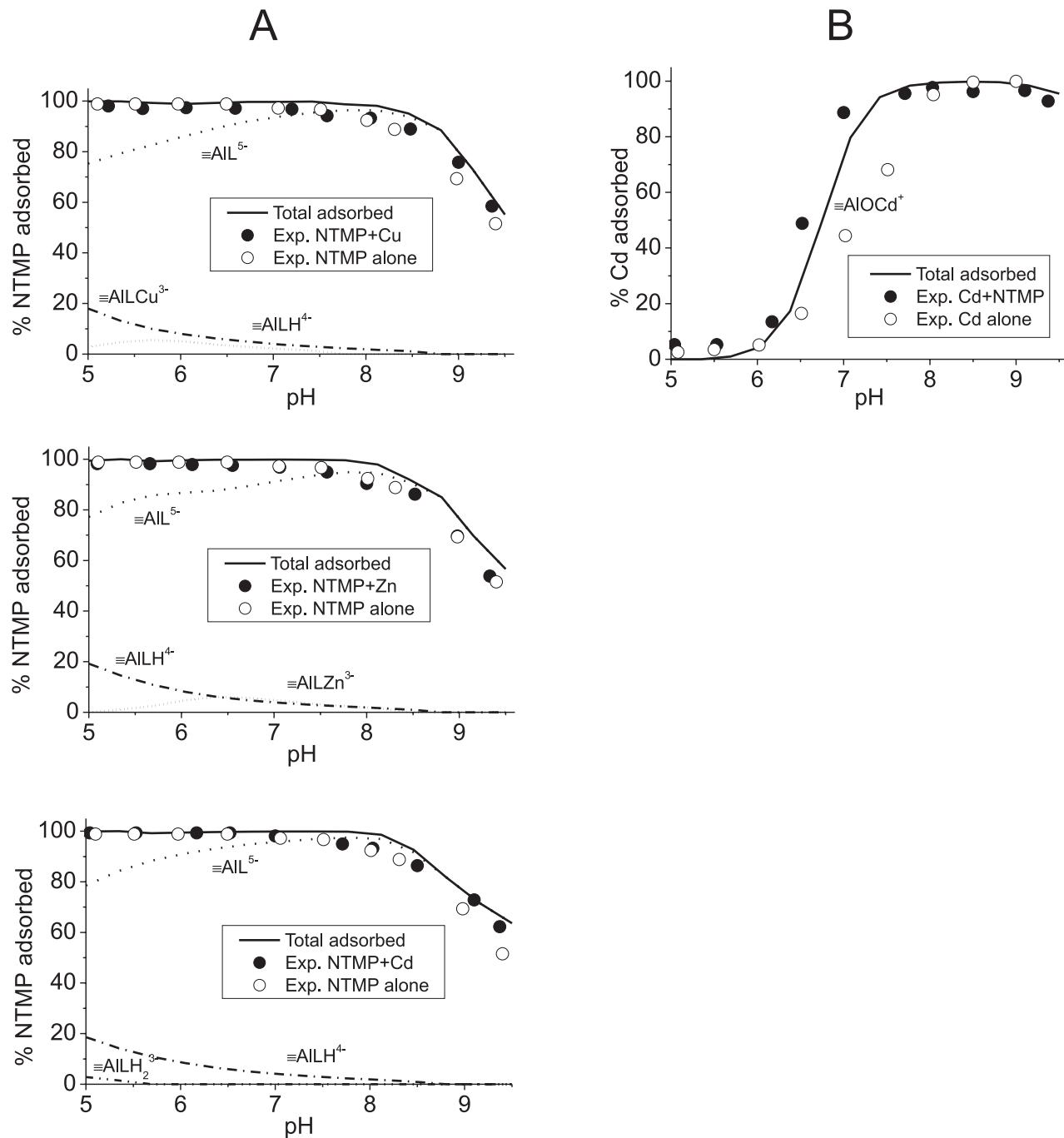


Figura 5S. A. Percentage NTMP 5×10^{-5} M adsorbed vs. pH in the presence of Cu(II), Zn(II) and Cd(II) 1×10^{-5} M. The curves are calculated using the constants from Table 1. Conditions: 1 g/L boehmite, 0.1 M NaNO₃. B. Percentage Cd(II) 1×10^{-5} M adsorbed vs. pH in the presence of NTMP 5×10^{-5} M. The curves are calculated using the constants from Table 1. Conditions: 1 g/L boehmite, 0.1 M NaNO₃.