**Supplementary Materials for “Co-immobilization of clinoptilolite and nanostructured hydrated ferric-zirconium binary oxide via polyvinyl alcohol-alginate covalent cross-linking for simultaneous deep removal of aqueous low-level nitrogen and phosphorus”**

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**(b) Phosphorus**

**(a) Nitrogen**

**Figure S1.** Chemical species of aqueous nitrogen (a) and phosphorus (b) at different pH values. Simulated by Visual Minteq (Environmental Protection Agency, USA).