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Title: Zirconium-Loaded Magnetic Interpenetrating Network Chitosan/Poly(vinyl alcohol) Hydrogels for Phosphorus Recovery from the Aquatic Environment

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## ACCEPTED MANUSCRIPT

## Zirconium-Loaded Magnetic Interpenetrating Network Chitosan/Poly(vinyl alcohol) Hydrogels for Phosphorus Recovery from the Aquatic Environment

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Graphical abstract



**Research Highlights:** 

- Novel Zr-loaded magnetic IPN hydrogels were synthesized and characterized.
- The hydrogels had a high, stable, and selective phosphate sorption capacity compared with other sorbents.

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