


# Xianyuan Bao

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📍 No.539 West Helanshan Road, 750021, Yinchuan, Ningxia

## EDUCATION BACKGROUND

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**M.S. of Engineering, River Dynamics**

*Sep 2023 – Present*

*School of Civil and Hydraulic Engineering, Ningxia University*

**B.S. of Engineering, Building Environment and Energy Application Engineering**

*Sep 2018 – Jul 2022*

*School of Energy and Environment, Zhongyuan University of Technology*

## PROJECT EXPERIENCE

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*[Participate]* **Coordination mechanism and regulation strategy of multiple processes of water-sediment-ecology economy system in the Yellow River Basin**

*NSFC Programs for Joint Funds (Grantee: Prof. Enhui Jiang)*

*Sep 2023 – Present*

As a key participant in this interdisciplinary project, I contributed to developing a coordinated strategy to manage the interconnected water-sediment-ecology-economy system of the Yellow River Basin. My role included research design, data collection, analysis, and drafting reports. The project explores the feedback mechanisms between environmental changes and socio-economic dynamics, with implications for long-term sustainable development in the region.

## PUBLICATIONS

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[1] **Bao X.**, He J., Wang Z., et al. Resource utilization of the Yellow River sediment: Research status, challenges and prospects [J]. *Journal of Sediment Research*. (*Accepted*)

## HONORS AND AWARDS

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*2nd in Innovation Academic Forum of Faculty of Engineering and Geography NXU*

*Nov 2024*

*Merit Student of Henan Province*

*Oct 2021*

*2nd in China Undergraduate Mathematical Contest in Modeling*

*Dec 2020*

## GRANTS AND SCHOLARSHIPS

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*Ningxia University Scholarship (3000 CNY)*

*Nov 2024*

*Zhongyuan University of Technology Scholarships (once 2nd & twice 3rd prize, 2,000 CNY)*

*Dec 2018 – Dec 2021*