Accepted Manuscript

Quantification of nitrate sources and fates in rivers in an irrigated agricultural area using environmental isotopes and a Bayesian isotope mixing model

Yan Zhang, Peng Shi, Fadong Li, Anlei Wei, Jinxi Song, Junjie Ma

PII:	S0045-6535(18)31021-X
DOI:	10.1016/j.chemosphere.2018.05.164
Reference:	CHEM 21496
To appear in:	Chemosphere
Received Date:	27 February 2018
Accepted Date:	27 May 2018

Please cite this article as: Yan Zhang, Peng Shi, Fadong Li, Anlei Wei, Jinxi Song, Junjie Ma, Quantification of nitrate sources and fates in rivers in an irrigated agricultural area using environmental isotopes and a Bayesian isotope mixing model, *Chemosphere* (2018), doi: 10.1016/j. chemosphere.2018.05.164

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Quantification of nitrate sources and fates in rivers in an irrigated

agricultural area using environmental isotopes and a

Bayesian isotope mixing model

Yan Zhang ^a Peng Shi ^b Fadong Li ^{c,d*} Anlei Wei ^a Jinxi Song ^a Junjie Ma ^a

a Shaanxi Key Laboratory of Earth Surface System and Environmental Carrying Capacity, College of

Urban and Environmental Sciences, Northwest University, Xi'an 710127, China

b State Key Laboratory of Eco-hydraulics in Northwest Arid Region of China, Xi'an University of

Technology, Xi' an 710048, China

c Key Laboratory of Ecosystem Network Observation and Modeling, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, 100101, China d College of Resources and Environment, University of Chinese Academy of Sciences, Beijing, 100190, China

*Corresponding author.

Fadong Li, Key Laboratory of Ecosystem Network Observation and Modeling, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, 100101, China. Phone: 86-10-64889530; Fax: +86-10-64889530.

E-mail: lifadong@igsnrr.ac.cn

Download English Version:

https://daneshyari.com/en/article/8850686

Download Persian Version:

https://daneshyari.com/article/8850686

Daneshyari.com