ORIGINAL ARTICLE



RETRACTED ARTICLE: Application of multivariate statistical methods and geochemical modeling to evaluate the surface water of Timgad Basin, East Algeria

Ammar Tiri · Abderrahmane Boudoukha · Noureddine Lahbari

Received: 10 February 2014/Accepted: 6 July 2014/Published online: 30 July 2014 © Springer-Verlag Berlin Heidelberg 2014

After careful investigation carried out in accordance with the COPE guidelines the Editor-in-Chief and the Publisher have decided to retract this article. The text shows significant unattributed overlap with the following articles: Tiri, Ammar, Noureddine Lahbari, and Abderrahmane Boudoukha. "Hydrochemical characterization of surface water in the Timgad watershed, East Algeria", Desalination and Water Treatment, 2014. Tiri, Ammar, Noureddine Lahbari, and Abderrahmane Boudoukha. "Assessment of the quality of water by hierarchical cluster and variance analyses of the Koudiat Medouar Watershed, East Algeria", Applied Water Science, 2015. Belkhiri, L.. "Statistical categorization geochemical modeling of groundwater in Ain Azel

plain (Algeria)", Journal of African Earth Sciences, 201101. Belkhiri, L.. "Application of multivariate statistical methods and inverse geochemical modeling for characterization of groundwater - A case study: Ain Azel plain (Algeria)", Geoderma, 20101115. Vikram Bhardwaj. "Hydrogeochemistry of groundwater and anthropogenic control over dolomitization reactions in alluvial sediments of the Deoria district: Ganga plain, India", Environmental Earth Sciences, 01/2010. Li Peiyue. "Hydrochemical Formation Mechanisms and Quality Assessment of Groundwater with Improved TOPSIS Method in Pengyang County Northwest China", E-Journal of Chemistry, 2011.

Electronic supplementary material The online version of this article (doi:10.1007/s12665-014-3527-8) contains supplementary material, which is available to authorized users.

A. Tiri (\boxtimes) · A. Boudoukha · N. Lahbari Hydraulics Department, Institute of Civil Engineering, Hydraulic and Architecture, University of Hadj Lakhdar Batna, Batna, Algeria

e-mail: tiri_ammar@yahoo.fr

