ORIGINAL ARTICLE

RETRACTED ARTICLE: Combining artificial neural network and unified particle swarm optimization for oil flow rate prediction: case study

Mohammad Ali Ahmadi · Seyed Reza Shadizadeh · Arash Goudarzi

This article has been retracted at the request of the author, following concerns over the paper's integrity.

M. A. Ahmadi (✉)
Department of Petroleum Engineering,
Ahwaz Faculty of Petroleum Engineering,
Petroleum University of Technology,
P.O. BOX 63134, Ahvaz, Iran
e-mail: ahmadi6776@yahoo.com

S. R. Shadizadeh
Department of Petroleum Engineering,
Abadan Faculty of Petroleum Engineering,
Petroleum University of Technology,
Abadan, Iran

A. Goudarzi
Department of Petroleum Engineering,
Science and Research Branch,
Islamic Azad University, Tehran, Iran