

[Journal Home](#)[Current Issue](#)[Previous Issues](#) NO ACCESS

Assessment of groundwater quality in the urban development industrial area of Jalna district

H. Ismail and Syed Abed

Published Online: 5 Feb 2023



Abstract

Analyses on paper, including physicochemical testing of Jalna region water. The main focus is on water contamination due to iron as steel re-rolling mills are present in Jalna that discharge their waste. It has been found that in almost all industrial areas having steel rolling mills, water contamination is at its peak. Hence, the study was completed to know the iron and calcium contamination in the underground and surface water present there. This research uses statistical methods to examine water samples collected in 8 different tehsils in Jalna. In the paper, analysis of data was done from laboratory experimentation work performed on water samples collected from the study area. Various physical and chemical parameters were observed and analysed using regression analysis. The values obtained were compared with the Indian standards and permissible limits of the Bureau of Indian Standards (BIS). On analysis, it was observed that the parameters of different elements present in the sample water were within permissible limits of the standard. The paper has an introduction and description of different types of pollutants with regression analysis, discussing the results before the conclusion and suggestions.

Keywords

water, BIS, Bureau of Indian Standards, pollution, permissible values, desirable values

ACCESS OPTIONS

To read the fulltext, please use one of the options below to sign in or purchase access.

Log In

Personal access

Institutional access

Purchase

[Save for later](#)

Online



International Journal of Knowledge-Based Development (2022)

\$820.00

 **Add to cart**

International Journal of Knowledge-Based Development (2022)

\$1,115.00

 **Add to cart**

Redeem Token

Restore content access

[Restore content access for purchases made as a guest](#)

Collections

Computing and Mathematics

Economics and Finance

Education, Knowledge and Learning

Energy and Environment

Healthcare and Biosciences

Management and Business

Public Policy and Administration

Risk, Safety and Emergency Management

Science, Engineering and Technology

Society and Leisure

Information

[Help / FAQs](#)

[For Librarians](#)

[Interested in publishing with Inderscience? !\[\]\(2bae76de5ebbd5c4d7d47162f1673734_img.jpg\)](#)

[About Inderscience !\[\]\(b64b40baaee5acddc1eab8538ba84754_img.jpg\)](#)

Connect

[Contact us](#)

 **Newsletter** ([subscribe for free !\[\]\(b221a91d92ddcb14c8313ca57b8e9677_img.jpg\)](#)),

 **Blog**

 **RSS**

 **Facebook**

 **Twitter**



© 2024 Inderscience Enterprises Ltd.

[Privacy Policy](#)