

1.	Record Nr.	UNINA990006759790403321
	Titolo	Studi di demografia storica siciliana : (Sec. 18.) / G. Longhitano ... [et al.]
	Pubbl/distr/stampa	Catania : Società di storia patria per la Sicilia orientale, 1979
	Descrizione fisica	210 p. ; 22 cm
	Collana	Biblioteca della Società di storia patria . Serie 2 , Monografie storiche ; 2
	Locazione	FSPBC
	Collocazione	XI A 921
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910824067803321
	Autore	Mohammed Admu Usman
	Titolo	Human exposure to arsenic and other potentially toxic metals in some waters : the effect of leaching from rocks into surrounding waters / / Admu Usman Mohammed
	Pubbl/distr/stampa	Hamburg, Germany : , : Anchor Academic Publishing, , 2014 ©2014
	ISBN	3-95489-676-1
	Descrizione fisica	1 online resource (115 p.)
	Disciplina	616.994071
	Soggetti	Arsenic - Carcinogenicity Arsenic - Health aspects Arsenic - Toxicology
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references.
	Nota di contenuto	Human Exposure to Arsenic and other Potentially Toxic Metals in some waters of Biu Volcanic Province, North-Eastern Nigeria; Contents;

CHAPTER ONE: GENERAL INTRODUCTION; 1.1 INTRODUCTION; 1.2 LOCATION, EXTENT AND ACCESSIBILITY; 1.3 RELIEF AND DRAINAGE; 1.4 CLIMATE AND VEGETATION; 1.5 SETTLEMENT AND LAND USE; CHAPTER TWO: LITERATURE REVIEW; 2.1 INTRODUCTION; 2.2 EFFECTS OF TRACE ELEMENTS IN VOLCANIC AREAS; CHAPTER THREE: DETAILED GEOLOGY AND HYDROGEOLOGY OF THE STUDY AREA; 3.1 DETAILED GEOLOGY; 3.2 HYDROGEOLOGY OF THE STUDY AREA; CHAPTER FOUR: HYDROGEOCHEMISTRY; 4.1 INTRODUCTION 4.2 METHODOLOGY 4.3 ANALYTICAL TECHNIQUE; CHAPTER FIVE: PRESENTATION OF RESULTS/DISCUSSIONS; 5.1 PRESENTATION OF RESULTS; 5.2 Soil Sample Analysis Results; 5.3 DISCUSSION OF RESULTS; 5.4 Trace Element Exposure and Human Health; 5.5 Trace Elements and Human Health Impact; CHAPTER SIX: SUMMARY, CONCLUSION/RECOMMENDATION; 6.1 SUMMARY; 6.2 CONCLUSION; 6.3 RECOMMENDATIONS; REFERENCES CITED; APPENDIX

Sommario/riassunto

The Biu Volcanic Province is one of the largest Volcanic Provinces in Nigeria covering an area of 5000 km² with a thickness of 250m. Geochemical analysis of the volcanic soil revealed the complete leaching of the major elements (CaO, K₂O, MgO, MnO, and TiO₂) from the surface soil probably into water sources. This may explain the extremely high Ca and K levels especially in the stream water where they display values of 348mg/l and 36 mg/l as against 200mg/l to 12 mg/l respectively of WHO admissible limits for drinking water. The accumulation of transition metals in the soil (Co 84-111ppm; Cr: 2
