

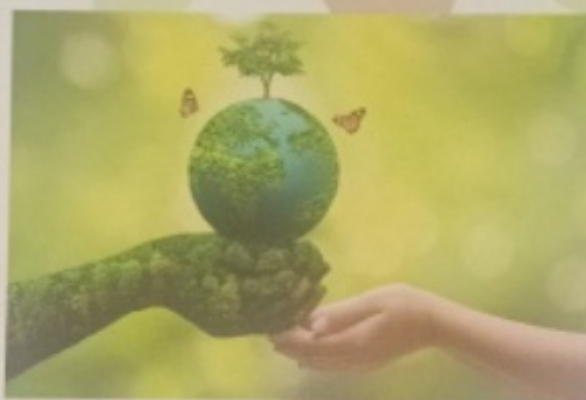
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THE STUDIES ON IMPACT OF COMMON INORGANIC ANIONS ON HUMAN HEALTH AND ENVIRONMENT IN WATER



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ABSTRACT

Inorganic anions constitute provide the sweatful and potable of water. They are present in greatest quantity as a consequence of natural processes but several important contaminants are present as a result of men activities. A number of inorganic anions have been reported in alarming concentrations in numerous drinking water sources around the world. Their presence even in very low concentration may cause serious environmental and health related problem. Inorganic anions contaminants are the most important determinants of acceptability to the consumer, affecting taste, colour. The aim of this paper some of the most important inorganic anions of drinking water covering major elements

such as hardness and nitrate and more constituents in terms of quantity, such as arsenic, selenium and lead.

KEYWORDS: Inorganic anions, potable, hardness, nitrate, arsenic, selenium, and lead.

INTRODUCTION

Inorganic anions are usually present in natural water. Many of these anions are naturally occurring and should be considered as an integral part of those particular water e.g., calcium carbonate and calcium bicarbonate in hard waters. There are different inorganic anions present in water such as Bromide, Chloride, Nitrate, Fluoride, Sulphate in the form of their salts. It is clear that these major inorganic anions which make the difference in taste of various

waters. The very high mineral waters are acceptable as society for good health and taste. However, there are many inorganic components usually contain in much smaller quantity, which could be considered as contaminants and which are major interest in terms of their effects on water quality and human health with environment than the major components.

There are some times the inorganic content of drinking water arises as a consequence of the difference between ground water and surface water. The time to time shown in different research report the different between surface water and low ground flow water that mean subsequent buildup of pollutants such as nitrate, sulphate, chloride, fluoride etc. An assessment of the health effects of inorganic contaminants in drinking water is largely complicated by the limited database on toxicity of these anions by the oral route and the fact that many of these elements are essential for human and plants nutrition.

The number of inorganic anions of important for water is largely. Therefore only a few particular significances on interest are consider and the important features are described.