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Nota di contenuto	Front Cover; Table of contents; Preface; Foreword; About the editor; PART 1: Origin and occurrence of calcium and magnesium in groundwaters; 1. Ca and Mg in loess pore moisture; 2. The solubility of different carbonate rocks in natural and anthropogenically influenced waters; 3. Hydrogeochemical distribution of Ca and Mg in groundwater in Serbia; 4. Study of Ca and Mg distribution within the aeration and saturation zones of the Upper Jurassic limestone massif of the southern part of the Cracow-Czestochowa Upland (Poland) 5. Groundwater calcium and magnesium content in various lithological types of aquifers in Slovenia6. Ca and Mg in fractured and karstic aquifers of Slovenia; 7. Distribution of Ca and Mg in groundwater flow systems in carbonate aquifers in Southern Latium Region (Italy): Implications on drinking water quality; 8. The major litho-structural units in selected areas of Northern Nigeria: Some statistics on the distribution of Ca and Mg are appended; 9. Effect of mine waters from coal mines of the Upper Silesian Coal Basin in the content of Ca and Mg in the catchment of the Upper Odra river PART 2: Significance of calcium and magnesium in groundwater for human health10. Health and regulatory aspects of calcium and

magnesium in drinking water; 11. Mineral water as a source of healthy minerals; 12. Mg and Ca in groundwater and the incidence of acute coronary syndrome: Application of a Bayesian spatial method in medical geology; PART 3: Calcium and magnesium in mineral and therapeutic waters; 13. Ca and Mg in bottled mineral and spring waters in Europe; 14. Ca and Mg in selected medicinal waters of Lower Silesia 15. Type and concentration of different compounds of Ca and Mg in natural waters used in therapeutic treatment or as food (bottled waters) 16. A survey of Ca and Mg in thermal springs of West Africa: Implications for drinking and bathing therapy; Series IAH-selected papers

Sommario/riassunto

Calcium and magnesium are abundant in groundwater, but the role of groundwater as the essential source of these important nutrients is very often neglected. Hydrogeochemical studies are focused mainly on distribution and behaviour of constituents that cause deterioration of water quality, such as: nitrate, nitrite or iron, manganese. Therefore, most recent books and papers concentrate mainly on these water components and only a small number of papers describe results of groundwater studies on valuable water components as calcium or magnesium.