

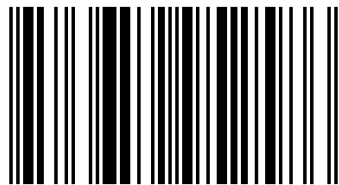
The anthropogenic activities for exploitation of natural resources and their processing represent a global problem of pollution of the environment. Bregalnica River Basin in the Republic of Macedonia was selected as a study area with the presence of three potential emission sources: lead and zinc mines ("Zletovo" and "Sasa" mines) and copper mine ("Bučim" mine). Lithogenic and anthropogenic distribution of 69 elements was evaluated in automorphic soil, moss species and attic dust samples from Bregalnica River Basin in the Eastern part of the Republic of Macedonia. Spatial distribution maps were constructed for determination and localizing of narrower areas with higher contents of certain anthropogenic elements. In this way influences of selected human activities in local (small scale) air pollution can be determined. Summarized data reveal real quantification of the elements distribution not only in order determination of hazardous elements distribution, but also present complete characterization for elements deposition in mines environs.



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Lithogenic and anthropogenic polymetallic distribution in soil and air



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