



Energy and Environment in the Balance–Kosova Case

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Abstract: The most abundant natural resource in Kosovo is lignite type coal, which was extensively used in electricity power plants and at a time in Lurgy Gasification Process. But, exploitation of lignite was done without respect to environmental capacity of the country. For example, uncontrolled burning of lignite in power plants each year left in Kosovo environment about 2.000.000 tons of fly and bottom ashes, more than 100.000 tons of sulfur, of which more than 50% is organic, over 12 tons of arsenic, about 3 tons of beryllium, 1 ton of cadmium, 351 tons of nickel, 492 tons of titan, 191 tons of manganese, etc. This paper deals with the examinations of some parts of complex organic substance and presence of heavy metal ions in it.

Keywords: *lignite, power plant, fly ash, bottom ash.*

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