

# MONITORING OF THE SUN'S RAYS IN THE REPUBLIC OF KOSOVO AND POLLUTION OF SOLAR PANELS WITH CO<sub>2</sub>

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## **Abstract**

As Kosovo is being developed to be in step with the economy of the European market, it's high time to reduce carbon emissions with the purpose of using the renewable energy. Currently, emissions of greenhouse gases in Kosovo are low compared to other European countries.. However, industrial development that is being taken place in Kosovo, together with urbanization and increasing number of population, will effectively change emission of greenhouse gases on climate changes in Kosovo. In order to join the global efforts and the possible potential of solar energy using daily and monthly radiation data with orientation angles can be determined the exploitation of the sun's rays. Combustion processes in the first-class energy industries achieve a decisive contribution to overall greenhouse gas emissions, especially carbon dioxide, which is produced during combustion of carbon-based fuels. Emissions from this category are based almost exclusively on the burning of lignite in power plants of Kosovo. A good opportunity to benefit from the renewable energy sources is the solar energy, and therefore, it is considered as a special importance and everyone should inspect the negative effectiveness of the fossil combustion emissions on the surface of the solar panels.

**Keywords:** *monitoring of sun rays, emissions of CO<sub>2</sub>, solar panels.*