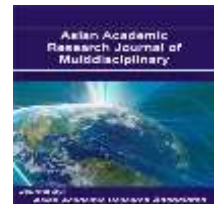




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**INVESTIGATING AND EVALUATING THE STATISTIC DATA COLLECTED,
AFTER SAMPLING THE PROCESSED COAL IN JIU VALLEY, USING
MATHEMATICAL REGRESSION**

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Abstract

After collecting the statistical data from the coal sample analyzing laboratory, using linear mathematical regression formulas, we determine the variation law of caloric power based on moisture and ash content of analyzed coal sample. After the calculation of the regression formula we fine tune it until we get the best degree of confidence – 99,60%. Based on the final formula we can predict the main parameters for future sample analysis or find parsing errors in the work done by the laboratory.

Keywords: coal processing, sampling, variation law, caloric power, ash, moisture

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