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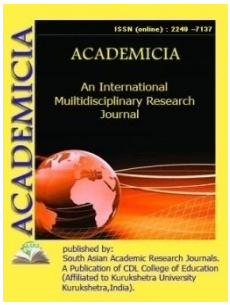

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CARBONATE CONVERSION OF METHANE

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ABSTRACT

*In the study, the factors influencing the catalytic carbonation reaction of methane were studied in the presence of a catalyst containing Ni_2O_3) x * (Co_2O_3) y * (ZrO_2) z * (MoO_3) k: The analysis of the composition of the resulting synthesis gas was carried out using a Chromatograph "Kristallux-4000M". We used columns 3 m long and 3 mm in inner diameter. Helium was used as a carrier gas. The phases in the columns are molecular sieves 5A and Haysep Q.Phase in columns - molecular sieve 5A i Haysep Q. Determination of the quantitative composition of gas mixtures was carried out by an external standard method (chromatograph was pre-set for each component of the gas mixture):*

KEYWORDS: *Methane, Carbon Dioxide, Conversion, Selectivity.*

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