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## Thematic course: hem-Dichlorocyclopropylmethylsubstituted nitrogen-containing heterocycles. Part 2. Synthesis and properties of 1-(2,2-dichlorcyclopropylmethyl)pyrazoles and 5-pyrazolones

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\*Supervising author; <sup>+</sup>Corresponding author Keywords:, 1-R-2,2-dichlorcyclopropylgidrazines, acetoacetic ester, acetyl acetone, 1-(1-R-2,2dichlorcyclopropylmethyl)-3-methylpyrazole-5-ones and 1-(1-methyl-2,2dichlorcyclopropylmethyl)-3,5-dimethylpyrazole, IR and <sup>1</sup>H NMR spectroscopy.

## Abstract

1-R-2,2-dichlorocyclopropyl hydrazines have beed synthesized by alkylation of hydrazine 1-R-1-halomethyl-2,2-dichlorocyclopropanes which react with acetoacetic ester and acetyl acetone to giving 1-(1-R-2,2dichlorocyclopropylmethyl-3-methylpirazol-5-ones and 1-(1-methyl-2,2-dichlorocyclopropylmethyl)-3,5dimethylpirazole.

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