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Synthesis and antimicrobial activity of pyrimidinyl 1,3,4-oxadiazoles, 1,3,4-thiadiazoles and 1,2,4-triazoles

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GRAPHICAL ABSTRACT

Synthesis and antimicrobial activity of pyrimidinyl 1,3,4-oxadiazoles, 1,3,4-thiadiazoles and 1,2,4-triazoles

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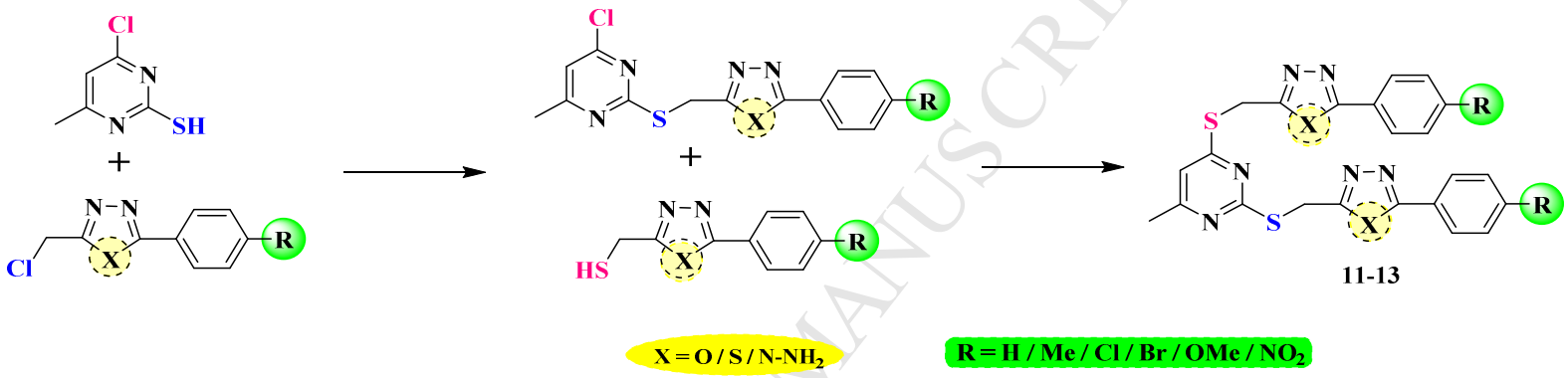

A new class of pyrimidinyl oxadiazoles, thiadiazoles and triazoles were prepared under conventional and ultrasonication methodologies.

The preesence of electronwithdrawing substituents on the aromatic ring enhanced the activity

12c & **12f** ; MIC = 6.25 µg/well against *P. aeruginosa*

13c & **13f** ; MIC = 6.25 µg/well against *A. niger*