



PET waste recycling as chemical feedstock: Synthesis and antimicrobial activity of new compounds with anticipated industrial use

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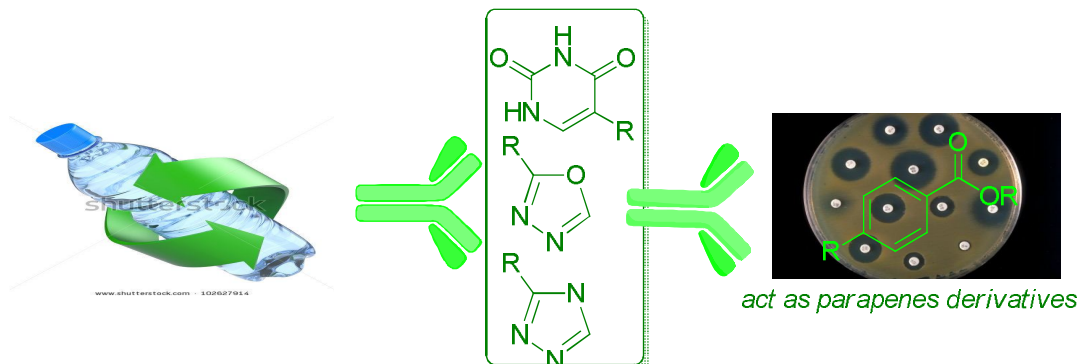
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Received on 27th April and finalized on 6th May 2013.

ABSTRACT

Successful solid waste management is a vital component of Egypt's sustainable (plastic waste). Synthesis of new uracil derivatives **5a, b** and 1,3,4-Oxadiazols **8,11** along with triazoles **10a, b** were assayed to have high antimicrobial activity.

Graphical Abstract:



Keywords: Plastic solid waste, heterocyclic, antimicrobial activity, recycling.