

# International Summit on Past and Present Research Systems of Green Chemistry

August 25-27, 2014 Hilton Philadelphia Airport, USA

## Synthesis, reactions and antimicrobial activity of *benzothiazoles*

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**B**enzothiazoles have been proven to be potent antimicrobial agent. So, 3-(5,6-dimethoxy-2-oxo-1,3-benzothiazol-3(2H)-yl)propanohydrazide has been utilized as a scaffold for synthesis of pyrrole, indolydene, pyrazoles, mercaptotriazole, oxadiazole, triazole and oxothiazolidine derivatives. Structures of the synthesized compounds were elucidated on the basis of elemental analyses and spectral data. All the synthesized compounds were screened for their antimicrobial activity.

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