## Available online at www.joac.info



## Journal of Applicable Chemistry

2013, 2 (6): 1499-1500

(International Peer Reviewed Journal)



ISSN: 2278-1862

## Rapid Synthesis of 1, 3-Dioxolanes of Aldehydes And Ketones Using Zinc Oxide

## Deepika\*1 and Sharwan k Dewan2

College of Pharmacy, Pt B D Sharma University of Health Sciences, Rohtak, PIN-124001, INDIA
Department of Chemistry, M D University, Rohtak, PIN-124001, INDIA

Email: sharwandewan@rediffmail.com, kumara.deepika967@gmail.com

Received on 25<sup>th</sup> October and finalized on 31<sup>st</sup> October 2013

**ABSTRACT** 

An efficient synthesis of 1,3-dioxolanes of aldehydes and ketones has been carried out in high yields in the presence of zinc oxide in dry media under microwave irradiation.

**Keywords:** 1,3-dioxolanes, aldehydes, ketones, zinc oxide, MW.