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Microwave Synthesis; A Great Potential Tool for Green Chemistry

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Abstract: *Microwave radiation, an electromagnetic radiation, is extensively use as a supply of heating in organic synthesis. The primary mechanisms discovered in microwave assisted synthesis are dipolar polarization and conduction. (MAOS) has emerged as a new 'lead' in organic synthesis. The method gives simple, clean, fast, efficient, and financial for the synthesis of a massive variety of organic molecules, have furnished the momentum for lots chemists to exchange from conventional heating technique to microwave assisted chemistry. In the recent year microwave assisted organic reaction has emerged as new device in organic synthesis. In the prevailing article an attempt turned into made to attention on what is microwave, how is it generated and what significance may also it have.*

Keywords: Microwave radiation, electromagnetic spectrum, Green chemistry, lead, MAOS

REFERENCES

[1].P. T. Anastas, J. C. Warner. Green Chemistry, Theory and Practice, Oxford University Press, Oxford(1998).
[2].M. Lancaster. Green Chemistry: An Introductory Text, The Royal Society of Chemistry, London(2002).
[3].A. K. Nagariya, A. K. Meena, Kiran, A. K. Yadav, U. S. Niranjan , A. K. Pathak, B. Singhand M. M. Rao, J. Pharm. Res., 3(3), 575(2010).
[4]. F. Toda. Acc. Chem.Res.28,480(1995).
[5].M.Kidwai, R.Venkataraman,B.Dave.GreenChem.,3,278(2001).
[6].D.Stuerga, P.Gaillard.Tetrahedron,52,5505(1996).
[7].M. Kidwai. PureAppl. Chem. 73,147 (2001).
[8]. M. Csiba, J. Cleophax, A. Loupy, J. Malthete, S. D. Gero. Tetrahedron Lett.34, 1787 (1993).