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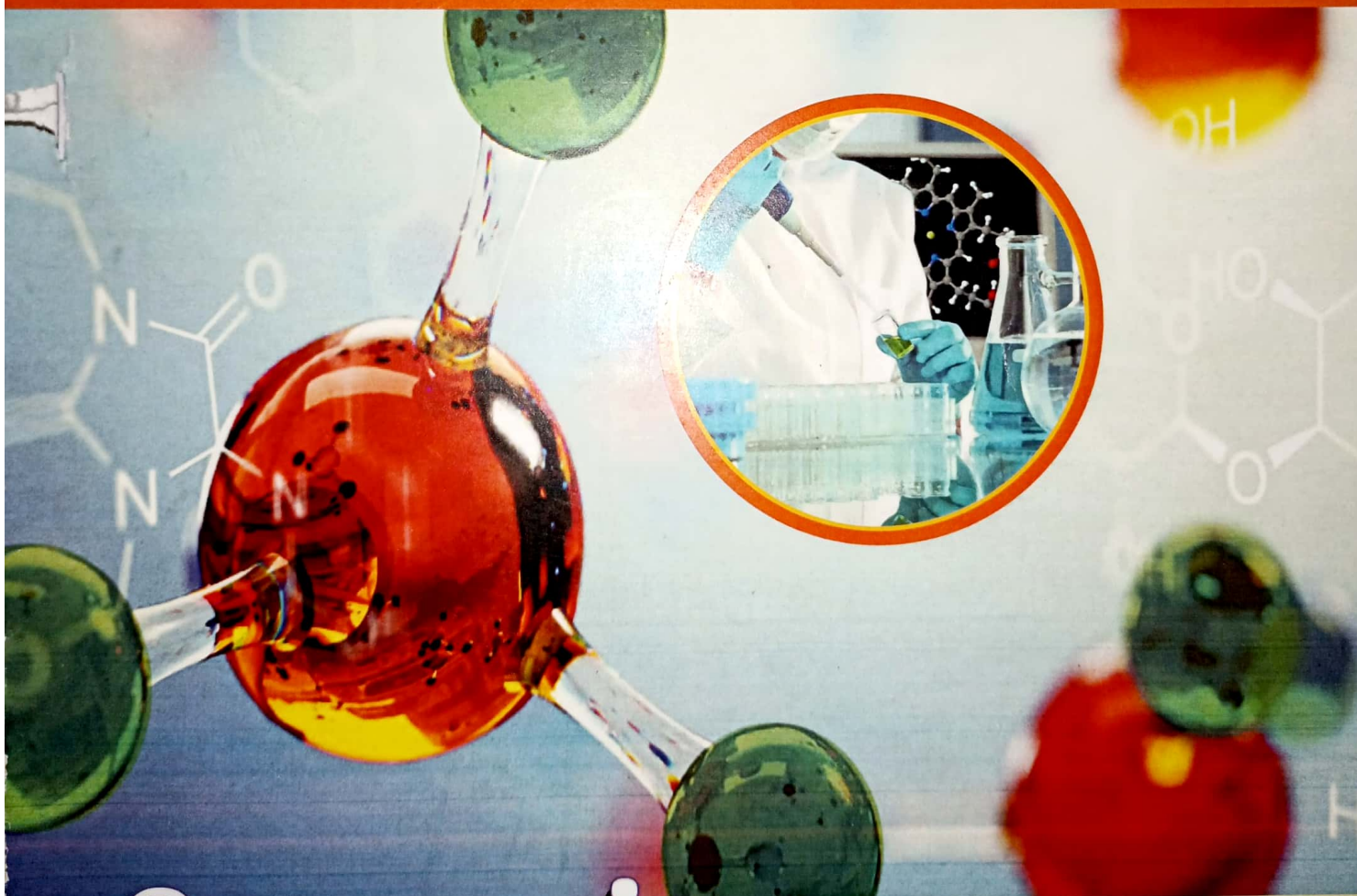
Two Day National Seminar on Application of Green Solvents & Green Catalyst for Sustainable Industrial Development
23, 24 January 2020

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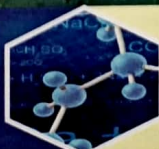
Planning & Development, Savitribai Phule Pune University, Pune
(Formerly known as Pune Univesity)

Organized by :

Department of Chemistry
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Souvenir



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Print ISBN 978-93-82995-68-5

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ABSTRACT-3**One Pot Green Method For synthesis of 1, 3-Oxazine derivatives under aqueous medium”**

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Abstract

An excellent yield of product of oxazine by multicomponent reaction in presence of β -naphthol, aniline and formaldehyde in presence of acetic acid as a green acid catalyst. The reaction in presence of acetic acid and substituted aromatic amine electron withdrawing and electron donating substituent on the ring. This work is done under the water as a solvent and reaction goes to the room temperature. Oxazine is the heterocyclic compound formaldehyde and aromatic amine gives iminium ion formation and it react with β -naphthol to gives cyclization reaction.

Introduction

The synthesis of oxazine ecofriendly and economically inexpensive reaction occur for the synthesis of biological active heterocyclic compound like oxazine by using reagent under green method.[1] This reaction is multicomponent reaction which having three component are the starting material in presence of acidic condition to give final product in one pot procedure is use to synthesis of oxazine.[2] This methodology allow molecular bond formation and also organic synthesis reaction has wide applications in organic and medicinal chemistry.[3]