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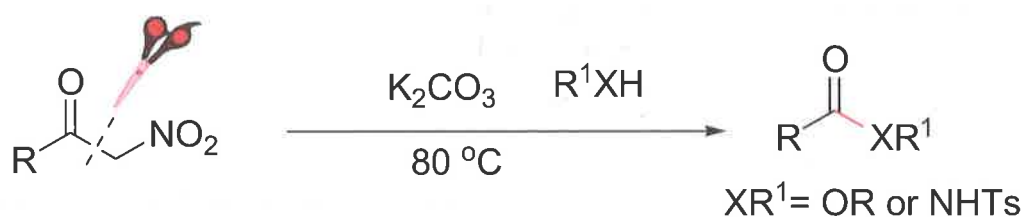
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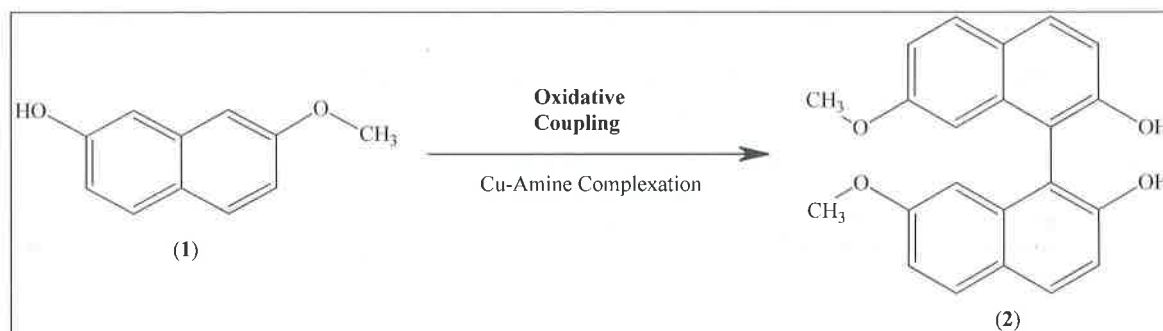
- 523 Formation of esters and amides *via* metal-free  $C_{sp2}$ - $C_{sp3}$  bond cleavage of  $\alpha$ -nitro ketone: Mechanistic insight to the reaction pathway



Manas Jyoti Sarma & Prodeep Phukan\*

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- 534 A convenient methodology for the synthesis of substituted BINOL derivative using Cu-amine complexation method
- The oxidative coupling of substituted naphthol by Cu-amine complexation using Cu-benzylamine has been achieved in excellent yield. This method offers a convenient and inexpensive route for the synthesis of substituted BINOL ligands.



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Department of Chemistry, University of Mumbai, Vidyanagari, Kalina, Santacruz (E), Mumbai 400 098, India

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- 538 **Synthesis and *in vitro* studies of thiazolidine-4-carboxylic acid hydrazones as potential antitubercular agents**

**Kurre Purna Nagasree\*, Muthyala Murali Krishna Kumar, Yejella Rajendra Prasad, Dharmarajan Sriram & Perumal Yogeeswari**

College of Pharmaceutical Sciences, Pharmaceutical Chemistry Division,  
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- 556 **Microwave assisted synthesis and SAR studies of novel hybrid phenothiazine analogs as potential antitubercular agents**

**Raghuveer Varma Pemmadi, Purna Nagasree Kurre, Padma Vijaya Sangeetha Guruvelli, Risy Namratha Jamullamudi & Murali Krishna Kumar Muthyala\***

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- 567 **3(2H)-Furanones promising candidates for synthesis of new fluorescent organic probes**

**Mohamed H A Soliman\*, Belal H M Hussein, Nahla Abdel-Moati & El-Sayed H M El-Tamany**

Chemistry Department, Faculty of Science, Suez University, Suez, Egypt

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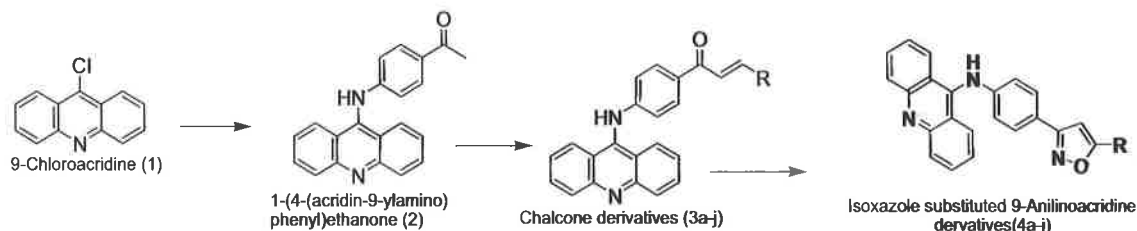
- 576 **An efficient protocol for the one-pot four-component synthesis of 6-amino-1,4-dihydropyrano- [2,3-*c*]-pyrazole-5-carbonitrile derivatives using starch solution as a reaction media**

**Rajesh H Vekariya, Kinjal D Patel & Hitesh D Patel\***

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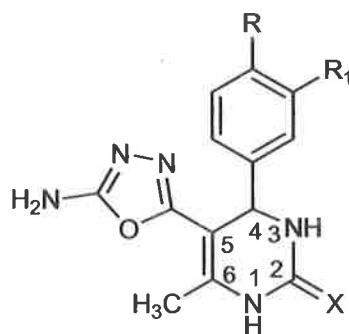
- 583 **Green synthesis of some novel chalcone and isoxazole substituted 9-anilinoacridine derivatives and evaluation of their antimicrobial and larvicidal activities** Novel isoxazole substituted 9-anilinoacridines have been designed and synthesized under MW. The synthesized compounds have been evaluated for antibacterial, antifungal and larvicidal activities.



R Kalirajan\*, M H Mohammed Rafick, S Sankar & B Gowramma

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- 591 **Synthesis and antibacterial activity of 1,3,4-oxadiazole substituted pyrimidine derivatives** A series of 5-(5-amino-1,3,4-oxadiazol-2-yl)-3,4-dihydro-6-methyl-4-phenyl pyrimidin-2(1H)-one derivatives have been synthesized, by changing various substituted benzaldehydes. Among the synthesized derivatives, some of the derivatives show very good inhibition against bacteria. All the structures of the newly synthesized compounds have been characterized, by using IR,  $^1\text{H}$  and  $^{13}\text{C}$  NMR, GC-MS and CHN analysis.



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