

Indian Journal of Chemistry

Sect. B: Organic Chemistry including Medicinal Chemistry

VOL. 56B

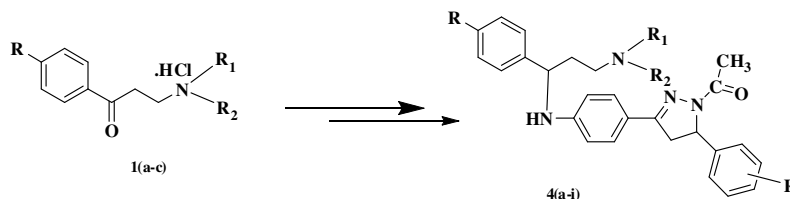
NUMBER 3

March 2017

CONTENTS

Papers

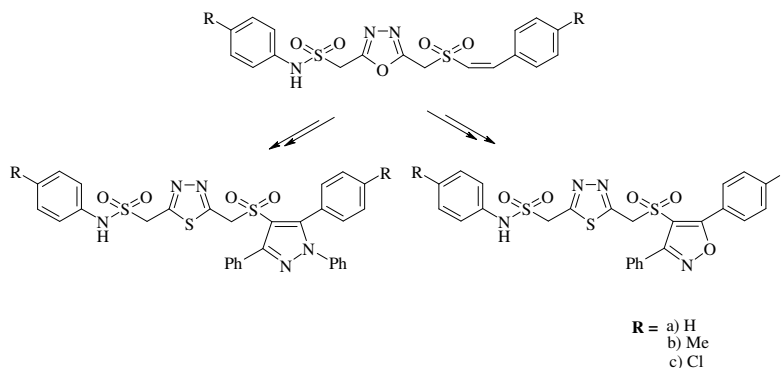
- 317 **Synthesis, characterization and *in vitro* antimicrobial activity of some novel 4,5-dihydro-1*H*-pyrazoline derivatives** Synthesis of novel pyrazoline derivatives have been reported along with their antimicrobial activity



Anil Kumar Tiwari, Shaheen Fatma, Abha Bishnoi*, Amrita Srivastava, Chandra Kant M Tripathi & Bikram Banerjee

Department of Chemistry, University of Lucknow, Lucknow 226 007, India

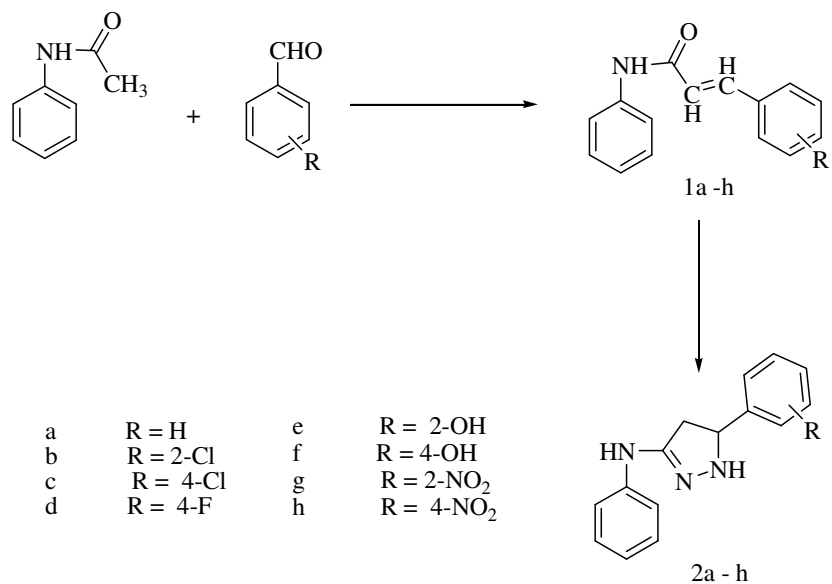
- 325 **Synthesis and antioxidant activity of styryl-1,3,4-thiadiazoles, pyrazolyl-1,3,4-thiadiazoles and isoxazolyl-1,3,4-thiadiazoles** A new series of sulfonamido methyl linked styryl sulfonyl methyl-1,3,4-thiadiazoles, pyrazolyl and isoxazolyl 1,3,4-thiadiazoles have been synthesized from the synthetic intermediate 2-(arylamino sulfonylmethyl)-5-(*Z*-(styrylsulfonyl-methyl))-1,3,4-oxadiazole and their antioxidant activity studied. Amongst all the compounds 2-((*p*-methyl-phenyl)aminosulfonylmethyl)-5-((3'-phenyl-5'-(*p*-methyl-phenyl)isoxazol-4'-ylsulfonyl)methyl)-1,3,4-thiadiazole **6b** exhibits promising antioxidant activity.



G Mallikarjuna Reddy, S Durgamma, K Syamaiah, G Yamini, V Padmavathi & A Padmaja*

Department of Chemistry, Sri Venkateswara University, Tirupati 517 502, India

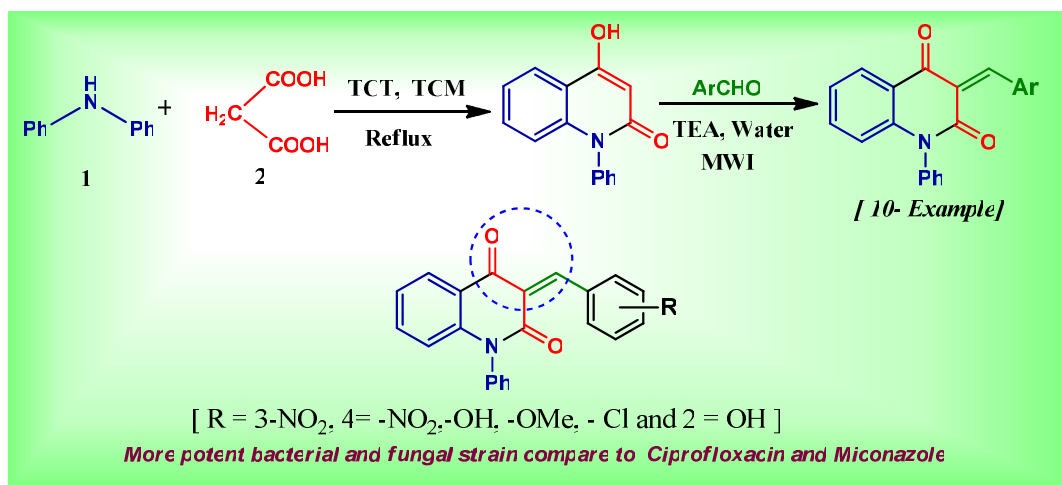
- 334 **Microwave assisted synthesis of some novel pyrazoline derivatives as potential antifungal agents** Different acrylamides and pyrazolines have been synthesized using microwave irradiation method and screened for antifungal activity against fungi *Drechslera maydis* and *Rhizoctonia solani*.



Akhil Goyal, Sunita Sharma* & Jyoti Gaba

Department of Chemistry, Punjab Agricultural University, Ludhiana 141 004, India

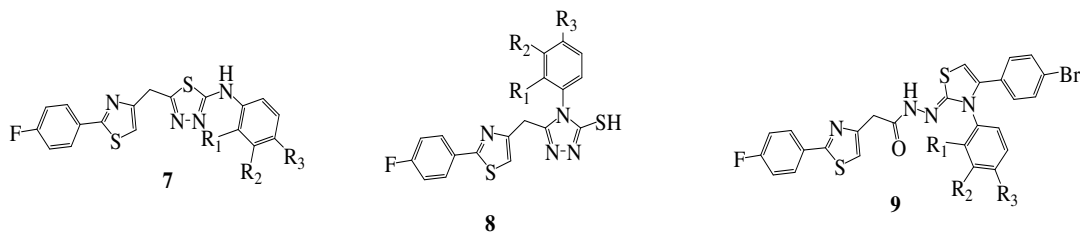
- 341 **An efficient synthesis and antimicrobial activity of 3-benzylidene-1-phenylquinoline-2,4(1H,3H)-diones**



S A Jadhav, J N Sangshetty, R K Pardeshi* & D B Shinde

Department of Chemical Technology, Dr Babasaheb Ambedkar Marathwada University, Aurangabad 431 001, India

- 348** **Synthesis and characterization of novel fluorinated thiazolyl 1,3,4-thiazolyl 1,3,4-thiadiazoles, 1,2,4-triazoles and 1,3-thiazoles by conventional and non-conventional methods** A series of novel fluorinated thiazolyl thiosemicarbazide, 1,3,4-thiadiazoles, 1,2,4-triazoles have been synthesized by using conventional and non-conventional methods. Also 1,3-thiazoles have been synthesized from thiosemicarbazide by using conventional method. The structures of synthesized compounds have been confirmed with the help of spectroscopic techniques.

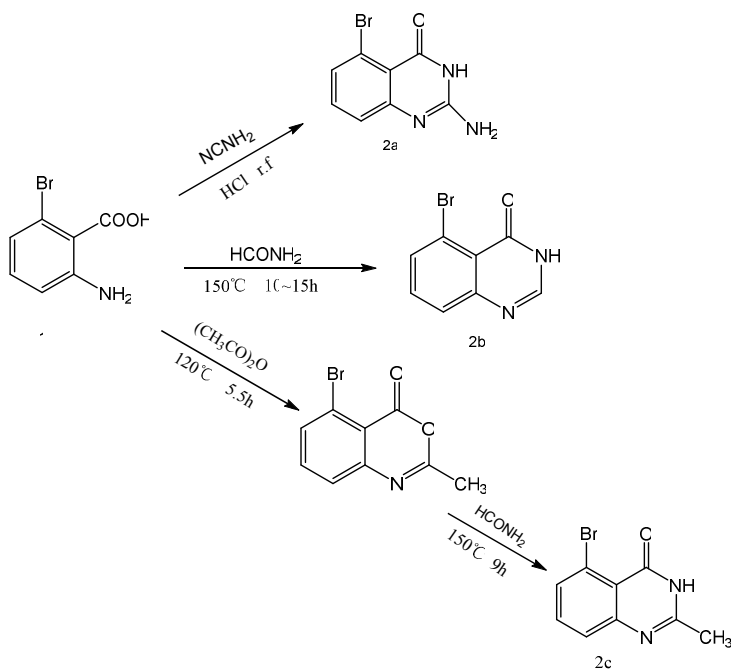


H N Akolkar, B K Karale, P V Randhavane & N R Dalavi*

Department of Chemistry, K. J. S. College, Kopargaon, Dist. Ahmednagar, India

Notes

- 356** **Synthesis of 5-bromo-2-substituted-4(3H)-quinazolinone**



Yizhou Liu, Xinying Wang, Linru Jiao, Dongdong Xu & Congmin Kang*

College of Chemical Engineering, Qingdao University of Science and Technology, Qingdao 266042, People's Republic of China

Authors for correspondence are indicated by (*)