

Special Issue

**NITRIC OXIDE AND IT'S DERIVATIVES: A NEW EMERGING MOLECULE IN
TREATMENT OF VARIOUS HEART RELATED PROBLEMS**Anju Goyal¹**AIM AND SCOPE**

Nitric Oxide - involved in a multitude of physiological and pathophysiological states in mammals-control of blood pressure, neurotransmission, and in the immune defense system of the body. Excessive production leads to Atherosclerosis, Hypotension, Huntington's disease, Alzheimer's disease and AIDS while underproduction can form thrombosis, vasospasm and impotence. Nitric Oxide - low solubility in water, unstable in the presence of various oxidants. Difficulty in introducing as such into biological systems in a controlled or specific fashion, development of chemical agents that release NO is important. Numerous heterocyclic ring system acting as anti-inflammatory, analgesic, anti-ulcer and antimicrobial agents are available (e.g. Pyrazoles). Due to its wide range of biological activity, pyrazoles have received a considerable interest in the field of drug discovery.

Keywords: *NO; Pyrazoles; Low solubility*

SUBTOPICS

1	Synthesis	4	Spectral Interpretation
2	Evaluation of Biological Activity	5	Characterisation of synthesised compounds
3	Antimicrobial Screening		

SCHEDULE

Manuscript submission deadline	20-06-2014
Peer Review Due	15-07-2014
Revision Due	20-07-2014
Notification of acceptance by the Guest Editor	25-07-2014
Final manuscripts due	31-07-2014

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