**List of Publications**

1) Variable temperature neutron diffraction analysis of a very short $O\rightarrow H\cdots O$ hydrogen bond in 2,3,5,6-pyrazinetetra carboxylic acid dihydrate: Synthon assisted short $O_{acid}\rightarrow H\cdots O_{water}$ hydrogen bonds in a multi-center array.


2) Carboxamide–pyridine-N-oxide heterosynthon for crystal engineering and pharmaceutical cocrystals.


3) Multiple $Z'$ in carboxylic acid-pyridine trimer synthon and Kagomé lattice in the structure of 5-methylpyrazine-2,3-dicarboxylic acid.


4) Water-mediated multicenter synthon and aromatic $C\rightarrow H \rightarrow N$ isostructurality.


5) Amide–N-Oxide heterosynthon and amide dimer homosynthon in cocrystals of carboxamide drugs and pyridine N-Oxides.


6) High $Z'$ polymorphs have shorter $C\rightarrow H \cdots O$ interactions and $O\rightarrow H \cdots O$ hydrogen bonds.


7) Water mediated tube in tetrapeptide cyclo(Phe-Pro-Leu-Aha) trihydrate and crystal structure of cyclo(D-Phe-Pro-Leu-Aha) anhydrate.

8) Crystal structures of $N$-Aryl-$N'$-4-Nitrophenyl ureas: Molecular conformation and weak interactions direct the strong hydrogen bond synthon

L. Sreenivas Reddy, Sreekanth K. Chandran, Sumod George, **N. Jagadeesh Babu** and Ashwini Nangia


9) Lewis-Acid Catalyzed One-Pot, Three Component Route to Chiral 3,3'-Bipyroles


10) Polymorphs and polymorphic cocrystals of Temozolomide

**N. Jagadeesh Babu**, L. Sreenivas Reddy, S. Aitipamula and Ashwini Nangia


11) Polymorphism in Furosemide.

**N. Jagadeesh Babu**, C. N. Surya and Ashwini Nangia

(Manuscript under preparation)

12) Pharmaceutical cocrystals of Temozolomide.

**N. Jagadeesh Babu**, Palash Sanphui and Ashwini Nangia

(Manuscript under preparation)
Polymorphic cocrystals of Temozolomide and 4,4′-bipyridine-N,N′-dioxide (shown as yellow and red butterfly arrays) have different hydrogen-bonding and molecular-packing arrangements. Published as cover art in Chem. Asian. J. 2008, July issue.