List of Publications

This thesis is based on the following publications. Some related unpublished results are also included in the thesis.

**Publications:**

*Reactivity controlled by lattice interaction in the crystal: Intermolecular acyl transfer in (±)-2,4-di-O-benzoyl-myo-inositol 1,3,5-orthoformate.*


Mechanism of silver(I)oxide mediated O-alkylation of 2,4-di-O-acyl-myo-inositol 1,3,5-orthoformate: Effect of solvent and silver halide on the nature of intermediates involved.

T. Das, T. Praveen, M.S. Shashidhar.


Crystal structure of 2-O-benzoyl-myo-inositol 1,3,5-orthoformate.


*Inter molecular acyl transfer in (±)-2,4-Di-O-benzoyl-myo-inositol 1,3,5-Orthoformate in Solution: Is the reaction controlled by molecular association?*

T. Praveen, Mysore S. Shashidhar, Pinak Chakrabarti, K.A.P. Xavier and Kuruvilla Pius. (Communicated)

**Papers presented in Symposia and Seminars**

Electrochemical reduction of myo-inositol derivatives: Cyclic voltammetric behaviour of (dl) 2,4-di-O-benzoyl-6-oxo-myo-inositol 1,3,5-orthoformate and 2,4-di-O-benzoyl-6-oxo-myo-inositol.

T. Praveen, T. Das, M. S. Shashidhar.

An unusual transesterification of 2,4-di-O-benzoyl-myo-inositol-1,3,5-orthoformate: Is the hydroxyl group unusually reactive?


Aromatic-aromatic and CH---O interactions in the crystal structure of O-substituted myo inositols.


Base catalyzed transesterification of 2,4-di-O-acyl-myo-inositol-1,3,5-orthoformates: An unusual reversal of reactivity.

T. Praveen, K. A. P. Xavier, K. Pius, M. S. Shashidhar.