

# List of Publications

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- [1] **A. K. Singh**, V. Tiwari, K. B. Mishra, S. Gupta, J. Kandasamy, "Urea-Hydrogen Peroxide Prompted the Selective and Controlled Oxidation of Thioglycosides into Sulfoxides and Sulfones," *Beilstein Journal of Organic Chemistry*, **13**(2017) 1139-1144.
- [2] S. Gupta, P. Sureshbabu, **A. K. Singh**, S. Sabiah, J. Kandasamy, "Deoxygenation of Tertiary Amine N-Oxides Under Metal Free Condition Using Phenylboronic Acid," *Tetrahedron Letter*, **58**(2017) 909-913.
- [3] S. Chauhan, P. Chaudhary, **A. K. Singh**, P. Verma, V. Srivastava, J. Kandasamy, "*tert*-Butyl Nitrite Induced Radical Dimerization of Primary Thioamides and Selenoamides at Room Temperature," *Tetrahedron Letters*, **59**(2018) 272-276.
- [4] K.B. Mishra, **A. K. Singh**, J. Kandasamy, "Tris(pentafluorophenyl)borane Promoted Stereoselective Glycosylation with Glycosyl Trichloroacetimidates under Mild Condition," *Journal of Organic Chemistry*, **83**(2018) 4204-4212.
- [5] V. Tiwari, V. N. Badavath, **A. K. Singh**, J. Kandasamy, "A Highly Efficient TEMPO Mediated Oxidation of Sugar Primary Alcohols into Uronic Acids Using 1-Chloro-1,2-Benziodoxol-3(1H)-One at Room Temperature," *Tetrahedron Letters*, **59**(2018) 2511-2514.
- [6] **A. K. Singh**, J. Kandasamy, "Palladium Catalyzed Stereocontrolled Synthesis of C-Aryl Glycosides Using Glycals and Arenediazonium Salts at Room Temperature" *Organic & Biomolecular Chemistry*, **16**(2018) 5107-5112.
- [7] **A. K. Singh**, R. Venkatesh, J. Kandasamy, "Palladium-Catalyzed One-pot Stereospecific Synthesis of 2-Deoxy Aryl-C-Glycosides from Glycals and Anilines in the Presence of *tert*-Butyl Nitrite," *Synthesis* **51**(2019) 4215-4230
- [8] V. Tiwari,<sup>‡</sup> **A.K. Singh**,<sup>‡</sup> P. Chaudhary, P.H. Seeberger, J. Kandasamy, "Synthesis of Photolabile Protecting Group (PPG) Protected Uronic Acid Building Blocks: Applications in Carbohydrate Synthesis with the Assistance of a Continuous Flow Photo Reactor," *Organic Chemistry Frontiers*, **6**(2019) 3859-3863. (<sup>‡</sup>Equal Contribution)
- [9] V. Tiwari, V.N. Badavath, **A.K. Singh**, J. Kandasamy, "Synthesis of Photolabile Group Protected Anomeric Acetals and its Application in Carbohydrate Synthesis with the Assistance of Continuous Flow Photo-Reactor," *Journal of Indian Chemical Society*, **97**(2020) 227-236.
- [10] **A. K. Singh**, J. Kandasamy, "Palladium Catalyzed Stereo-Selective 1,4-Conjugate Addition of Arylboronic Acids to Enones Derived from Glycals," (2020) (**Submitted**).
- [11] **A. K. Singh**, V. K. Kanaujiya, J. Kandasamy, Palladium-Catalyzed Regioselective Oxidative Heck Coupling of Glycal Enones with Arylboronic Acids: A Simplest Approach for the Stereoselective Preparation Of 2-Deoxy  $\beta$ -Aryl-C-Glycosides," (2020) (**Submitted**).