Annexure A

List of Publications:

Thesis work:

[1] **Konwar, D.** and Bora, U. Free Radical Triggered Convenient Synthesis of Bis(indolyl) methane with Potassium Peroxodisulfate as Catalyst. *ChemistrySelect*, 5(25):7460-7466, 2020.

[2] **Konwar, D.**, Bora, P., Chetia, B., and Bora, U. Heterogeneous Pd/C-Catalyzed Ligand-Free Direct C-2 Functionalization of Indoles with Aryl Iodides. *ChemistrySelect*, 7(44):202203009, 2022.

[3] Bora, P., **Konwar, D.**, Dewan, A., Das, M. R., and Bora, U. Bio-carbon-layered CuO-catalyzed decarboxylative alkenylation of cyclic ethers. *New Journal of Chemistry*, 46(26):12551-12557, 2022.

[4] **Konwar, D.**, Saikia, R., Kalita, R., Das, M. R., and Bora, U. Minimizing base-stoichiometry in Pd(0)/g-C_3N_4O catalyzed Suzuki-Miyaura cross-coupling reaction (Manuscript under revision).

[5] **Konwar, D.** and U. Bora. Halogen bonding triggered site-selective C-3 benzylation of indoles and *N*-benzylation of imidazole: A catalyst-free approach (Manuscript under revision).

Other work:

[1] Das, S. K., Laskar, K., **Konwar, D.**, Sahoo, A., Saikia, B. K., and Bora, U. Repurposing fallen leaves to bio-based reaction medium for hydration, hydroxylation, carbon-carbon and carbon-nitrogen bond formation reactions. *Sustainable Chemistry and Pharmacy*, 15:100225, 2020.

Review Article:

[1] **Konwar, D.** and Bora, U. Recent Developments in Transition-Metal-Catalyzed Regioselective Functionalization of Imidazo [1,2-a] pyridine. *ChemistrySelect*, *6*(11):2716-2744,2021.

Book chapters:

[1] **Konwar, D.**, Bhattacharjee, P., and Bora, U. Graphene as a Support in Heterogeneous Catalysis. In *Graphene-Based Nanomaterial Catalysis*, pages 58-77, ISBN 978-981-5040-49-4. Bentham Science Publishers Pte. Ltd., 2022.

Annexure B

List of Conferences attended:

Poster Presentation

[1] **Konwar, D.** and Bora, U. Potassium peroxodisulfate catalyzed convenient synthesis of Bis(indolyl)methanes. International Conferences on "The Present and Future of Excellence in Organic Synthesis" (PFEOS-2021) (Virtual mode) organized by Department of Chemical Sciences, Tezpur University, Assam, 7th and 8th January, 2021.

Oral Presentation

[1] **Konwar, D.** and Bora, U. C-N bond formation reaction in bio-based medium. International Conference on "Material Chemistry and Catalysis" (Virtual mode) organized by Department of Chemical Sciences, Tezpur University, Assam, 4th and 5th March, 2021.