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APPENDIX A

List of Research Publications

1. Graphene Oxide Catalyzed One-pot Synthesis of Pyrimido [4,5-b]quinolinone-2,4-diones and their Biological Evaluation, **Rabindranath Singha**, Puja Basak, Malay Bhattacharya, and Pranab Ghosh, *ChemistrySelect.*, **2020**, *5*, 6514–6525.
2. A greener and sustainable approach towards the synthesis of propargylamine using multicomponent A³-coupling reaction, **Rabindranath Singha**, Dhiraj Brahman, Biswajit Sinha, Pranab Ghosh, *Asian Journal of Green Chemistry*, **2021**, *5*, 91-110.
3. Transformative reaction on triterpenoids: action of hydrogen peroxide in presence of selenium dioxide on oxime derivative of taraxerone and antimicrobial activity of isolated compounds, **Rabindranath Singha**, Pranab Ghosh, *Journal of Medicinal and Chemical Sciences*, **2020**, *3*, 95-102.
4. Isolation of olean-12(13), 15 (16)-diene, olean-12(13), 15(16)-dien-3 β -oland olean-15(16)-en-11 α -ol from the pet-benzene extract of Psidiumguajava and their biocidal activity, **Rabindranath Singha**, Md. Golam Rasul, Pranab Ghosh, *Journal of Medicinal and Chemical Sciences*, **2020**, *3*, 118-137.
5. Phytochemical Investigation of Sapium baccatum: Identification of 3 α -hydroxy-1 α , 2 α -epoxy lupan, **Rabindranath Singha**, Pranab Ghosh, *The Pharmaceutical and Chemical Journal*, **2018**, *5*, 9-15.
6. p-TsOH mediated solvent and metal catalyst free synthesis of nitriles from aldehydes via Schmidt reaction, Bijeta Mitra, Gyan Chandra Pariyar, **Rabindranath Singha**, Pranab Ghosh, *Tetrahedron Letters*, **2017**, *58*, 2298–2301.
7. Silica gel an Efficient Catalyst for One-pot Synthesis of Pyrazines from Ethylenediamine and 1, 2-Diketones and their Analogs, Rakesh Ranjan Chakraborty, **Rabindranath Singha**, Pranab Ghosh, *Indian Journal of Heterocyclic Chemistry*, **2018**, *28*, 373-381.
8. Environmentally benign approach towards C–S cross-coupling reaction by organo-copper(II) complex, **Rabindranath Singha**, Sailesh Chettri, Dhiraj Brahman, Biswajit Sinha, Pranab Ghosh, *Molecular Diversity*, **2021**, <https://doi.org/10.1007/s11030-020-10180-5>.

APPENDIX B

Oral Presentations

1. Transformative reaction on triterpenoids: action of hydrogen peroxide in presence of selenium dioxide on oxime derivative of taraxerone and antimicrobial activity of isolated compounds, **Rabindranath Singha**, Pranab Ghosh, National seminar on “Frontiers in Chemistry” 14th September 2017, organized by Department of chemistry, University of North Bengal.

Poster Presentations

1. Graphene Oxide Catalyzed One-pot Synthesis of Pyrimido [4,5-b]quinolinone-2,4-diones and their Biological Evaluation, **Rabindranath Singha** and Pranab Ghosh, “International seminar on “Frontiers in Chemistry 2018”, organized by Department of chemistry, University of North Bengal and CRSI North Bengal Local Chapter on 27th August, 2018.
2. Isolation of olean-12(13), 15 (16)-diene, olean-12(13), 15(16)-dien-3 β -ol and olean-15(16)-en-11 α -ol from the pet-benzene extract of Psidiumguajava and their biocidal activity, **Rabindranath Singha**, Md. Golam Rasul, Pranab Ghosh, “International seminar on RECENT TRENDS IN CHEMISTRY, Organized by Department of Chemistry, P.D, Women’s College, Jalpaiguri, 3rd January, 2019.
3. Environmentally benign approach towards C–S cross-coupling reaction by organo-copper(II) complex, **Rabindranath Singha** and Pranab Ghosh, National seminar on “Frontiers in Chemistry” 5th March 2020, organized by Department of chemistry, University of North Bengal.