

Dr. Gyan Chandra Pariyar

M.Sc, Ph.D, B.Ed

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Subject Specialization:

Organic Chemistry

Areas of Research Interest:

Organic methodology

Synthesis of Bioactive heteromolecules

Phytochemistry of medicinal plant

Food Chemistry

Phytochemistry of food components

No. of Ph.D. students: (a) Supervised: Nil (b) Ongoing: 1

No. of M.Phil. students: (a) Supervised: Nil (b) Ongoing: Nil

No. of Publications: (a) Scientific Papers: 09 (b) Books/Book Chapter: 01

Professional Experience:

Assistant master (W. B. S. E. S) in Darjeeling Govt. High School from 2008 to 2019

Assistant Professor in Department of Food Technology from 24th June, 2019-present

Achievement & Awards:

CSIR-JRF Qualified (2007)

Research Experiences:

January 2014 to December 2018.

List of Research publications

Articles:

1. β -Cyclodextrin: A supramolecular catalyst for metal-free approach towards the synthesis of 2-amino-4,6-diphenylnicotinonitriles and 2,3-dihydroquinazolin-4(1*H*)-one in water, Bijeta Mitra, **Gyan Chandra Pariyar**, Pranab Ghosh*, *RSC Advances*, 2021, **11**,1271-1281.

2. Ethyl Lactate: an efficient green mediator for transition metal free synthesis of symmetric and unsymmetric azobenzenes, **Gyan Chandra Pariyar**, Tandra Kundu, Bijeta Mitra, Suvodip Mukherjee, Pranab Ghosh*, *ChemistrySelect*, 2020, **5**, 9781-9786.
3. Ascorbic Acid as an Efficient Organocatalyst for the Synthesis of 2-Substituted-2,3-dihydroquinazolin-4(1*H*)-one and 2-Substituted Quinazolin-4(3*H*)-one in Water, **Gyan Chandra Pariyar**, Bijeta Mitra, Suvodip Mukherjee, Pranab Ghosh*, *ChemistrySelect*, 2020, **5**, 104-108.
4. [TiCl₃-silica: A recyclable solid support for efficient synthesis of substituted imidazoles](#): Raju Subba, Hridoydip Ranjan Dasgupta, Bittu Saha, **Gyan Chandra Pariyar**, Abiral Tamang, Pranab Ghosh*, *Asian J. Nanosci. Mater.* (Article in Press).
5. Glycerol: A Benign Solvent-Assisted Metal-Free One-Pot Multi-Component Synthesis of 4*H*-Thiopyran and Thioamides from Easily Accessible Precursors: Bijeta Mitra, **Gyan Chandra Pariyar**, and Pranab Ghosh*, *Chemistryselect*, **2019**, *4*, 5476–5483
6. One pot three-component synthesis of 5-substituted 1*H*-tetrazole from aldehyde: Bijeta Mitra, Suvodip Mukherjee, **Gyan Chandra Pariyar**, Pranab Ghosh* *Tetrahedron Lett.* **2018**, *59*, 1385-1389.
7. *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 Lett.* **2018**, *58*, 2891-2301.
8. Fe₃O₄-nanoparticles catalyzed an efficient synthesis of nitriles from aldehydes: Pranab Ghosh*, Bittu Saha , **Gyan Chandra Pariyar**, Abiral Tamang, Raju Subba, *Tetrahedron Letters*, **2016**, *57*, 3618-3621.
9. FeCl₃-silica: A green approach for the synthesis of nitriles from oximes: Pranab Ghosh*, **Gyan Chandra Pariyar**, Bittu Saha, Raju Subba, *Synth. Commun.* **2016**, *46*, 685-691.

Book chapter

1. Chapter 2: Copper catalysis for imidazoles and pyrazoles. “Copper in *N*-Heterocyclic Chemistry”, **Gyan Chandra Pariyar** and Pranab Ghosh*. *Elsevier*, 2020, 49-74, ISBN: 9780128212639