# GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY

**PASCHIM MEDINIPUR, PIN 721135, WEST BENGAL**

**1. Name:** MR. HILLOL KHATUA

**2. Designation** Assistant Professor

**3. Department:** Chemistry

**4. Highest academic degree:** M.Sc

**5. Specialization:** Chemistry (Organic Chemistry)

**6. Contact number:** 9734990439

**7. E-mail:** hillolkhatua@gmail.com

**8. Date of joining to the service:** 04.11.2020

**9. Colleges served:**

| *Name of the College* | *From* | *Till* |
|---|---|---|
| Govt. General Degree College, Keshiary | 04.11.2020 | Present |
| | | |
| | | |

**10. Area of research interest:**

**1** Metal-catalyzed denitrogenative transannulation of 1,2,3,4-tetrazole.

**2** Metal-nitrene chemistry.

**3** C-H amination reaction

**4** Azide-alkyne cycloaddition reaction.

**11. Publications:**

| Paper/Research article | | Book/book-chapter | | Citation | ∑IF | h-index | i-index | Abstracts |
|---|---|---|---|---|---|---|---|---|
| *International* | *National* | *International* | *National* | | | | | |
| 5 | 0 | 0 | 0 | 61 | | | | 0 |

**12. Awards/achievement of special mention:**

**1** Qualified CSIR-UGC NET December 2016

**2** Qualified GATE Chemistry 2018

**3** Qualified JAM 2015

**13. Research project/extramural grant mobilized:**

| Funding agency/body | Amount(Rs.) | Name of the research project | From | Till |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| NIL | NIL | NIL | | |

**14. Patent (International/National)**

**15. Editorial board member/ Reviewer of any journal/literary body:**

**16. Member of learned society:**

**17. List of full length publications (year wise in descending order):**

1. Roy, S.; Das, S. K.; **Khatua, H.**; Das, S.; Singh, K. N.; Chattopadhyay, B. *Iron-Catalyzed Radical Activation Mechanism for Denitrogenative Rearrangement Over C(sp3)–H Amination. Angew. Chem. Int. Ed.* **2021**, *60* ,
2. **Khatua, H**.; Das, S. K.; Roy, S.; Chattopadhyay, B. Dual Reactivity of 1,2,3,4-Tetrazole: Manganese-Catalyzed Click Reaction and Denitrogenative Annulation. *Angew. Chem. Int. Ed.* **2021**, *60* , 304-312.
3. Das, S. K.; Roy, S.; **Khatua, H.**; Chattopadhyay, B. Iron-Catalyzed Amination of Strong Aliphatic C(sp3)–H Bonds. *J. Am. Chem. Soc.* **2020**, *142* , 16211-16217.
4. Roy, S.; **Khatua, H.**; Das, S. K.; Chattopadhyay, B. Iron(II)-Based Metalloradical Activation: Switch from Traditional Click Chemistry to Denitrogenative Annulation. *Angew. Chem. Int. Ed* . **2019**, *58* , 11439-
5. Das, S. K.; Roy, S.; **Khatua, H**.; Chattopadhyay, B. Ir-Catalyzed Intramolecular Transannulation/C(sp2)–H Amination of 1,2,3,4-Tetrazoles by Electrocyclization. *J. Am. Chem. Soc.* **2018**, *140* , 8429-8433.

**18. List of published abstract (year wise in descending order):**

**19. List of Seminar/Workshop/Conference/Symposium attended (year wise in descending order):**