

CURRICULUM-VITAE

DR. MANASHJYOTI KONWAR

Assistant Professor, Dibru College, Dibrugarh-786003

Mobile No.: 9854542820

E-Mail: konwarmanashjyoti@gmail.com

Date of Birth: 09-12-1990

Marital Status: Married

Religion: Hinduism

Caste: OBC (Ahom)



Permanent Address:

C/O, Mr. Naren Konwar
Borpathar Konwar Gaon
P.O: Beheating Tiniali
Dist: Dibrugarh (Assam)
PIN- 786004

Corresponding Address:

Department of Chemistry,
Dibru College
Dist: Dibrugarh (Assam)
Pin-786004 Assam-786003

Educational Qualifications

B. Sc. (Chemistry) = D.H.S.K. College, Dibrugarh (2009-2012)

M. Sc. (Organic Chemistry) = Dibrugarh University (2012-2014)

Ph.D. = Department of Chemistry, Dibrugarh University (2015-2019)

Thesis Title = “A Study of Carbon-Nitrogen Bond Forming Cross
Coupling Reactions under Green Conditions”

Supervisor = Prof. Diganta Sarma, Department of Chemistry, Dibrugarh
University

ACHIEVEMENTS: - (i) Qualified SLET in 2014-2015

(ii) Qualified GATE 2015

(iii) Qualified CSIR-NET (LS) in December 2016

DATE OF JOINING IN THE COLLEGE: 22-01-2020

List of Publications:-

1. S.; Chetia, D.; Sho, P. K.; Bora, A.; Dutta, F.; yashmin, A. K.; Guha, B.; Das, M.; Konwar, Sarma D. LiClO₄/EG as an Environmentally Benign Lewis Acidic Catalytic System for the Expeditious Synthesis of 2, 3-Dihydroquinazolin-4 (1H)-ones and NH-1, 2, 3-Triazoles, *Synlett*, **2025**, DOI: 10.1055/a-2532-7424. (IF = 1.7)
2. Pegu, B.; Konwar, M.; Sarma, D.; Konwer, S. Cu nanoparticle anchored highly conducting, reusable multifunctional rGO/PANI nanocomposite: A novel material for methanol sensor and a catalyst for click reaction, *Synth. Met.*, **2024**, *301*, 117516. (IF = 4.0)
3. Konwar, M.; Saikia, M.; Hazarika, R.; Sarma D. Nickel chloride catalyzed synthesis of pyrazoles and phthalazin-1(2H)-ones from hydrazines at room temperature, *Tetrahedron Lett.*, **2022**, *98*, 153842. (IF = 1.5)
4. Konwar, A.; Paul, P.; Dutta, R. S.; **Konwar, M.** Green synthesis of silver nanoparticles from plant extract of *Phlogacanthus thyriflorus* Nees. and screening of its antimicrobial activity against *Staphylococcus aureus* and *Aspergillus niger*, *Research Journal of Biotechnology*, **2022**, *17*, 54-58. (IF = 0.5)
5. Rajput, M. K.; **Konwar, M.**; Sarma, D. Ultrasonication-assisted chelating ligand-free extraction of Pb (II) from aqueous solution by using room temperature ionic liquids, *Int. J. Environ. Sci. Technol.*, **2022**, *19*, 237–248. (IF = 3.0)
6. **Konwar, M.**; Hazarika, R.; Sarma, D. Synthetic advances in C(sp²)-H/N–H arylation of pyrazole derivatives through activation/substitution, *Tetrahedron*, **2021**, 132504. (IF = 2.1)
7. Rajput, M. K.; **Konwar, M.**; Sarma, D. Hydrophobic natural deep eutectic solvent THY-DA as sole extracting agent for arsenic (III) removal from aqueous solutions, *Environ. Technol. Innov.*, **2021**, *24*, 102017. (IF = 6.7)
8. Rajput, M. K.; **Konwar, M.**; Sarma, D. Preparation of a Novel Environmentally Friendly Hydrophobic Deep Eutectic Solvent ChCl-THY and its Application in Removal of Hexavalent Chromium from Aqueous Solution, *Water Environ. Res.*, **2021**, *93*, 2250-2260. (IF = 2.5)

9. Chetia, M.; **Konwar, M.**; Pegu, B.; Konwer, S.; Sarma, D. Synthesis of copper containing polyaniline composites through interfacial polymerisation: An effective catalyst for Click reaction at room temperature, *J. Mol. Struct.*, **2021**, 130019. (IF = 4.0)
10. **Konwar, M.**; Sarma, D. Advances in developing small molecule SARS 3CLpro inhibitors as potential remedy for corona virus infection, *Tetrahedron*, **2021**, 77, 131761. (IF = 2.1)
11. Hazarika, R.; **Konwar, M.**; Damarla, K.; Kumar, A.; Sarma, D. HBF₄/CAN: A simple and efficient protocol for the synthesis of pyrazoles under ambient reaction conditions, *Syn. Commun.*, **2020**, 50, 329-337. (IF = 1.8)
12. **Konwar, M.**; Phukan, P.; Chaliha, A. K.; Buragohain, A. K.; Damarla, K.; Gogoi, D.; Kumar, A.; Sarma, D. An Unexplored Lewis Acidic Catalytic System for Synthesis of Pyrazole and its Biaryls Derivatives with Antimicrobial Activities through Cycloaddition-Iodination-Suzuki Reaction, *ChemistrySelect*, **2019**, 4, 10236– 10245. (IF = 1.9)
13. **Konwar, M.**; Elnagdy, H. M. F.; Gehlot, P. S.; Khupse, N. D.; Kumar, A.; Sarma, D. Transition Metal Containing Ionic Liquid Assisted One pot Synthesis of Pyrazoles at Room Temperature, *J. Chem. Sci.*, **2019**, 131, 80. (IF = 1.7)
14. **Konwar, M.**; Chetia, M.; Sarma, D. A Low-Cost, Well-Designed Catalytic System Derived from Household Waste “Egg Shell”: Applications in Organic Transformations, *Top. Curr. Chem.*, **2019**, 377, 6. (IF = 7.1)
15. **Konwar, M.**; Hazarika, R.; Ali, A. A.; Chetia, M.; Khupse, N. D.; Saikia, P. J.; Sarma, D. Benedict's solution/ vitamin C: An alternative catalytic protocol for the synthesis of regioselective-1,4-disubstituted-1*H*-1,2,3-triazoles at room temperature, *Appl Organometal Chem.*, **2018**, 32, e4425. (IF = 3.7)
16. **Konwar, M.**; Khupse, N. D.; Saikia, P. J.; Sarma, D. A potential greener protocol for peptide coupling reactions using recyclable/reusable ionic liquid [C₄-DABCO][N(CN)₂], *J. Chem. Sci.*, **2018**, 130, 53. (IF = 1.7)
17. **Konwar, M.**, Boruah, P. R., Saikia, P. J., Khupse, N. D., Sarma, D. ESP-Promoted Suzuki-Miyaura Cross-Coupling and Peptide Bond Formation Reactions in Water at Room Temperature, *ChemistrySelect*, **2017**, 2, 4983 – 4987. (IF = 1.9)

18. **Konwar, M.**, Ali, A. A., Chetia, M., Saikia, P. J., Khupse, N. D., Sarma, D. ESP Promoted “On Water” Click Reaction: A Highly Economic and Sustainable Protocol for 1,4-Disubstituted-1H-1,2,3-Triazole Synthesis at Room Temperature. *ChemistrySelect*, **2016**, *1*, 6016-6019. (IF = 1.9)
19. Ali, A. A.; **Konwar, M.**; Chetia, M.; Sarma, D. [Bmim]OH mediated Cu-catalyzed azide–alkyne cycloaddition reaction: A potential green route to 1,4-disubstituted-1,2, 3-triazoles, *Tetrahedron Lett.*, **2016**, *57*, 5661-5665. (IF = 1.5)
20. **Konwar, M.**, Ali, A. A., Chetia, M., Saikia, P. J., Sarma, D. Fehling solution/DIPEA/hydrazine: an alternative catalytic medium for regioselective synthesis of 1,4-disubstituted-1H-1,2,3-triazoles using azide–alkyne cycloaddition reaction, *Tetrahedron Lett.*, **2016**, *57*, 4473–4476. (IF = 1.5)
21. **Konwar, M.**, Ali, A.A., Sarma, D. A Green Protocol for Peptide Bond Formation in WEB, *Tetrahedron Letters*, **2016**, *57*, 2283–2285. (IF = 1.5)

Book Edited:

1. **Advances in Chemical, Geological & Physical Sciences**, Kaustubh Prakashan, ISBN: 978-81-963781-8-9, Editors: Dr. Manash Jyoti Konwar and Dr. Priyanka Basyach, **2023**.
2. **Frontiers in Inter/Multi/Cross-Disciplinary Sciences**, Mahabahu Offset Press, ISBN: 978-81-977845-6-9, Editors: Dr. Debika K. Banik & Dr. Manash Jyoti Konwar, **2024**.

List of book chapters:-

1. **Manashjyoti Konwar**, Diganta Sarma, “Low Cost Well Design Heterogeneous Catalyst derived from Eggshell Waste and its Application in Heterogeneous Catalysis” 1st edition of “Advances in Chemical, Geological & Physical Sciences”, Kaustubh Prakashan, ISBN: 978-81-963781-8-9, Editors: Dr. Manash Jyoti Konwar and Dr. Priyanka Basyach, **2023**, 146-153.
2. **Manashjyoti Konwar**, Apurba Dutta, Diganta Sarma, “Green Sustainable Process for Chemical and Environmental Engineering and Science” 1st edition of “Sustainable Organic Synthesis”, Elsevier Publication, ISBN: 9780128195390; Editors: Dr. Inamuddin, Rajender Boddula, Abdullah M. Asiri, **2020**, 123-154.

3. **Manashjyoti Konwar**, Mitali Chetia, Diganta Sarma, “Low cost well design heterogeneous catalyst derived from eggshell waste and its applications in organic transformations” Kaustubh Prakashan & Printers, ISBN- 978-93-82283-14-0.

List of Poster Presentation:-

1. **International Seminar on Interdisciplinary Approaches for a Sustainable World (IIS-2025)** organized by CNB College, Bokakhat, 5-7th January, 2025
2. **National Conference on Inter/ Multi/Cross-Disciplinary Sciences 2024** organized by Department of Chemistry, Dibru College, 23-24th August, 2024 in association with Chemical Research Society of India (CRSI), Local Chapter, North-eastern Region.
3. **Recent Advances in Materials Chemistry and Catalysis-RAMCC 2023** organized by Department of Chemistry, Dibrugarh University, 1-3rd March, 2023
4. **Emerging Trends in Chemical Sciences (ETCS-2020)** organized by Department of Chemistry, Guwahati University, 13-15th February, 2020
5. **Emerging Trends in Chemical Sciences (ETCS-2018)** organized by Department of Chemistry, Dibrugarh University, 26-28th February, 2018
6. **Recent Developments in Synthesis and Catalysis (RDSC-2017)** organized by Department of Chemistry, Dibrugarh University, 10-11th March, 2017
7. **20th CRSI-RSC National Symposium in Chemistry** organized by Department of Chemistry, Gauhati University, 3-5th February, 2017
8. **National Symposium on Natural Products: Prospects & Perspectives** organized by CSIR-NEIST from 21-22 March, 2016
9. **Contemporary Developments in Chemical Sciences-2015** organized by Tezpur university from 23 - 24 November, 2015

List of Oral Presentation:-

1. **International Conference on Emerging Trends in Biochemistry (ICETB-2024)** organized by Department of Botany, Chemistry and Zoology, Nalbari College, 11-13th March, 2024

2. **Fourth International Conference on Reuse and Recycling of Materials (ICRM-2018)**
organized by Mahatma Gandhi University, Kottayam, Kerala, India and Wroclaw
University of Technology, Poland, 9-11th March, 2018

Administrative and Extension Assignments:

1. Resource person for faculty exchange programme.
2. Presiding Officer duty for Legislative Assembly Election.
3. Assistant Zonal officer of TDC examination zone.
4. External Evaluator in schools for Assam Gunotsav.
5. External Evaluator for HS and TDC practical Examination.
6. Reviewer in reputed research journals.