PUBLICATIONS

DR. MANASHJYOTI KONWAR

Assistant Professor

a) Chetia, S.; Sho, D.; Bora, P. K.; Dutta, A.; Yashmin, F.; Guha, A. K.; Das, B.; **Konwar, M.;** Sarma D. $LiClO_4$/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*.

b) 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.

c) **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.

d) Konwar, A.: Paul, P.; Dutta, R. S.; **Konwar, M.** Green synthesis of silver nanoparticles from plant extract of Phlogacanthus thyrsiflorus Nees. and screening of its antimicrobial activity against Staphylococcus aureus and Aspergillus niger, *Research Journal of Biotechnology*, **2022**, *17*, 54-58.

e) 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.

f) **Konwar, M.;** Hazarika, R.; Sarma, D. Synthetic advances in C(sp^2)-H/N–H arylation of pyrazole derivatives through activation/substitution, *Tetrahedron*, **2021**, 132504.

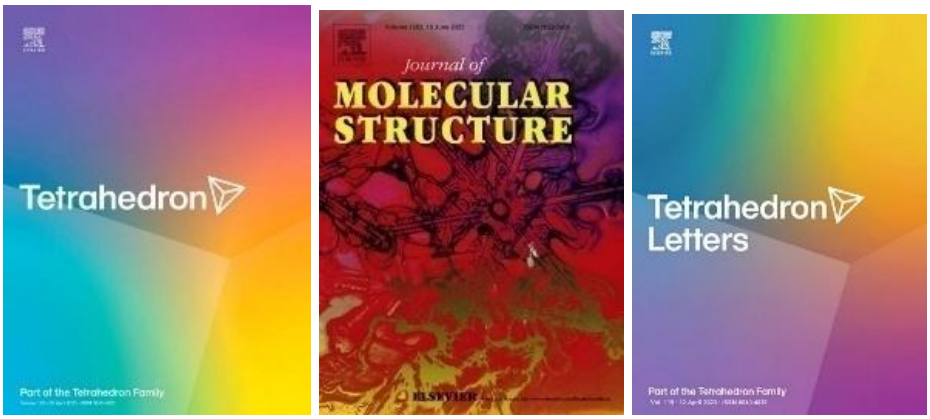
g) Rajput, M. K.; **Konwar, M.;** Sarma, D. Hydrophobic natural deep eutectic solvent THY-DA as sole extracting agent for arsenic (III) removal from aqueous solutions, *Environ. Technol. Innov.*, **2021**, *24*, 102017.

h) 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.

i) 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.

j) **Konwar, M.**; Sarma, D. Advances in developing small molecule SARS 3CL^{pro} inhibitors as potential remedy for corona virus infection, *Tetrahedron*, **2021**, *77*, 131761.



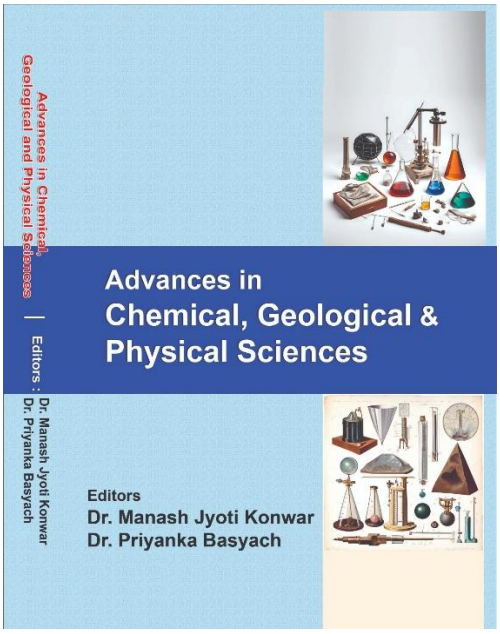
Book Chapter Published:

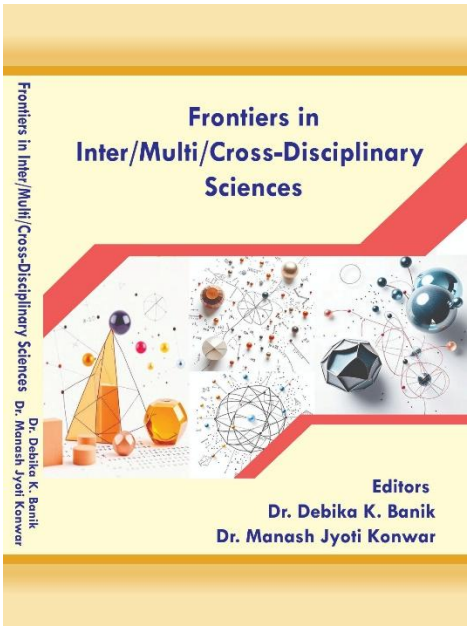
i) **Konwar, M.**; Sarma, D. Low Cost Well Design Heterogeneous Catalyst derived from Eggshell Waste and its Application in Heterogeneous Catalysis, *Advances in Chemical, Geological & Physical Sciences*, Kaustubh Prakashan, ISBN- 978-81-963781-8-9, pp no.- 146-153.

Book Edited:

i) **Konwar, M.**; Basyach, P. *Advances in Chemical, Geological & Physical Sciences*, Kaustubh Prakashan, ISBN- 978-81-963781-8-9, First published on 10th May, 2023.

ii) Banik, D. K.; **Konwar, M**. *Frontiers in Inter/Multi/Cross-Disciplinary Sciences*, Mahabahu Offset Press, ISBN- 978-81-977845-6-9, First published on 10th December, 2024.





Dr. MANDAKINI DUTTA

Assistant Professor

PUBLICATIONS

- Microwave-promoted and Lewis acid catalysed synthesis of steroidal A- and D-ring fused 4,6-diarylpyridines Dutta, M.; Saikia, P.; Gogoi, S.; Boruah, R. C.* Steroids, 2013, 78, 387.
- Facile ultrasound-assisted synthesis of 3,4-dihydropyrimidin-2(1H)-one/thione fused steroidalderivatives by a three-component reaction Dutta, M.; Gogoi, J.; Shekarrao, K.; Goswami, J.; Gogoi, S.; Boruah, R. C.* Synthesis, 2012, 44, 2614.
- Microwave promoted synthesis of cycl[3.2.2]azines in water via a new three-component reaction Gogoi, S.; Dutta, M.; Gogoi, J.; Boruah, R. C.* Tetrahedron Lett, 2011, 52, 813.
- A facile three-component solid phase synthesis of steroidal A-ring fused pyrimidines under microwave irradiation Barthakur, M. G.; Gogoi, S.; Dutta, M.; Boruah, R. C.* Steroids, 2009, 74, 730.
- Microwave promoted and Lewis acid catalysed synthesis of 2,4,6-triarylpyridines using urea as benign source of ammonia Borthakur, M.; Dutta, M.; Gogoi, S.; Boruah, R. C.* Synlett, 2008, 3125.

Symposia/Conferences attended

- Oral presentation at the International Conference on Emerging Trends in Biochemistry at Nalbari College, 2024

- Oral presentation at the International Conference on Emerging Trends in Chemistry at Assam Don Bosco University,2023
- Oral presentation at the National Conference on Current Developments in science and technology at Bhattadev University,2023
- Participated in the Online Faculty Development Programme on Intellectual Property Rights organized by IIT Gauhati, 2021
- Poster presentation at the International Conference on Integrating chemical, biological and Pharmaceutical Science for Innovation in Heaith care at Nirma University,2020
- Poster presentation at the 20th CRSI National Symposium in Chemistry at Gauhati University,2017
- Poster presentation at the International symposium on recent advances in Chemistry at NEHU, Shillong, India; 2015
- Poster presentation at the 16th CRSI National Symposium in Chemistry at IIT, Mumbai, India; February, 2014.
- Poster presentation at the 15th CRSI National Symposium in Chemistry at BHU, Varanasi, India;February, 2013.
- Poster presentation at the 17th Post-ISCB International Conference at Institute of Advanced Study in Science & Technology, Guwahati, India ; January, 2012.
- Poster presentation at the 13th CRSI National Symposium in Chemistry at National Institute of Science Education and Research, Bhubaneswar, India; February, 2011.
- Poster presentation at the 14th ISCB International Conference at Central Drug Research Institute, Lucknow, India; January, 2010.

- Poster presentation at the 11th CRSI National Symposium in Chemistry at National Chemical Laboratory, Pune, India; February, 2009.
- Poster presentation at the National Seminar on Recent Advances in Chemical Sciences at Dibrugarh University, Dibrugarh, Assam, India; March 2009