

List of Publications

Research Publications in peer review journal

1. Chetia, I., Vijayakumar, A., & Badwaik, L. S. (2024). Edible flowers' flavor, safety and their utilization as functional ingredients: a review. *Journal of Food Science and Technology*, 1-13.
2. Chetia, I., Das, A. J., & Badwaik, L. S. (2024). Extraction of phenolic compounds from edible flowers (*Phlogacanthus thyrsiflorus*) using ultrasound-microwave-assisted extraction and its screening by HPLC. *Journal of Food Process Engineering*, 47(5), e14616.
3. Chetia, I., Das, A. J., & Badwaik, L. S. (2024). Assessment of nutritional and bioactive properties of selected edible flowers: Characterisation of phenolic compounds by reversed-phase high performance liquid chromatography. *Journal of Chromatography Open*, 6, 100167.
4. Chetia, I., Tongbram, T., Ponnamp, S. P. G., & Badwaik, L. S. (2025). *Alginate-based encapsulation of edible flower extract: Process optimization, characterization and in vitro release kinetics* (Under review).

Participation in national/international conferences

1. Chetia, I. & Badwaik, L. S. Minerals and phenolic compounds present in four commonly edible flowers of Assam (oral presentation). National Conference on Underutilized Food Resources: Nutrient Composition, Value Addition and Quality Assurance, Organized by Mizoram University, held on 2023. (2nd prize for oral presentation).
2. Chetia, I. & Badwaik, L. S. Exploring the nutritional properties of selected edible flowers of Assam (Virtual oral presentation). Functional, Nutraceutical and Health Foods at SAFETy-2021, Organized by Department of Food Engineering and Technology, Assam, India and Department of Food Science and Technology, University of Georgia, Georgia (US) in association with AFST(I) Tezpur Chapter on 2023. (3rd prize for oral presentation).
3. Chetia, I. & Badwaik, L. S. Evaluation of nutritional content of some edible flowers of Assam (Poster presentation). 27th Indian Convention of Food Scientists and Technologists (ICFoST) organized by AFST (I)-HQ and Tezpur Chapter during 30th January 2020-1st February 2020 at Tezpur University, Tezpur, Assam.