



Dr Mohammad Owais

Assistant Professor

Department of Mathematics

School of Engineering

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1. ABOUT

I have done my Bachelors and Masters in Mathematics from Aligarh Muslim University. I subsequently earned my doctorate from Vellore Institute of Technology, Vellore. During my Ph. D, my areas of interests lied in convergence analysis of various non-expansive mappings in Banach spaces with applications. My interests have shifted towards the applicative prospects of fixed point theory and core theory of fixed point iterations. I have publications in several SCIE and Scopus indexed journals. I have three year experience as a Teaching and Research Assistant.

2. RESEARCH INTERESTS

- Fixed Point Theory of Non-expansive Mappings
- Fixed Point Iterations
- Various Applications of Fixed Point Theory

3. ACADEMIC QUALIFICATIONS

- Ph.D. in Mathematics— Vellore Institute of Technology, Vellore, 2026
- M. Sc in Mathematics —Aligarh Muslim University, Aligarh, 2020
- B. Sc (Hons) in Mathematics — Aligarh Muslim University, Aligarh, 2018

4. PROFESSIONAL EXPERIENCE

- Teaching and Research Assistant — Vellore Institute of Technology, Vellore, 3 years

5. RESEARCH HIGHLIGHTS

- Publications: 5, These studies mainly focus on new generalizations of non-expansive mappings, new fixed point iterations, and various applications using these notions

6. SELECTED PUBLICATIONS

1. M. Owais, A. Chanda, and S. Gulyaz-Ozyurt, “S*-iteration: data dependence, alternate approach to error estimation and application to a fractional thermostat model”, J. Nonlinear Convex Anal., 26(5):1415-1434, 2025.
2. M. Owais and A. Chanda, “Intricacies of a new non-expansive mapping with application to delay differential equations with finite constant delays”, J. Anal., 33(5):2389-2412, 2025.
3. J. Prabakaran, M. Owais and A. Chanda, “Validating convergence behaviour of C- α non-expansive mappings in CAT(0) spaces with an application”, Mat. Vesn., 77(4):362-376, 2025.
4. M. Owais and A. Chanda, “On a distinct family of iterative schemes for weak contractions”, TWMS J. App. And Eng. Math., 16(5):576-583, 2026.
5. M. Owais and A. Chanda, “On parametric non-expansive mappings in Banach spaces”, Filomat, 2026.

7. ACADEMIC PROFILES

- Google Scholar: https://scholar.google.com/citations?user=Xn_fDywAAAAJ&hl=en
- ORCID: 0009-0007-5046-6158
- Scopus: 59997514700

8. CONTACT

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