



Dr. Muzaffar Sarkar Raju

Designation: Assistant Professor in Mathematics (W.B.E.S),

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Specialization: Pure Mathematics

Current Position: Assistant Professor,
Department of Mathematics,
P. R. Thakur Government College,
Thakurnagar-743 287, North 24 Parganas, WB

Major Interest Areas: Optimization, Convex Analysis, Metric Spaces, Functional Analysis, Numerical Analysis, Complex Analysis, Abstract Algebra, Linear Algebra

Academic Credentials:

- Ph.D. in Mathematics (2024): Aligarh Muslim University, Aligarh, UP, India
(Supervisor: Prof. Qamrul Hasan Ansari, Title of Thesis: *Some Iterative Algorithms for Solving Equilibrium Problems and Minimization Problems*)
- B.Ed. (2016-2018): WBUTTEPA, WB, India
- M.Sc. in Mathematics (2013-2015): University of Kalyani, Kalyani, WB, India
- B.Sc. (Hons.) in Mathematics (2010-2013): University of Kalyani (Krishnath College, Berhampore, Murshidabad, WB, India)

Teaching Experience:

- 03rd January, 2025 – Till date: Assistant Professor of Mathematics, P. R. Thakur Govt. College, Thakurnagar, North 24 Parganas, WB, India

Courses taken:

- Teaching UG Mathematics under West Bengal State University syllabus for both Major and Minor courses.

Research Interest:

- Optimization, Convex Analysis, Nonlinear Analysis, Variational Inequality Problems, Equilibrium Problems

Research Grants Received:

- None

Research Experience:

- Six years in the field of Optimization, Convex Analysis, Variational Inequality Problems, Equilibrium Problems

List of Publications:

1. Q. H. Ansari, F. Babu and **M. S. Raju**; *Proximal point method with Bregman distance for quasiconvex pseudomonotone equilibrium problems*, **Optimization**, **74**(9), 2035-2055 (2025). **Impact factor = 1.6**
2. Q. H. Ansari, **M. S. Raju** and F. Babu; *Gradient projection method for quasiconvex equilibrium problems*, **Carpathian J. Math.**, **41**(1), 01-12 (2025). **Impact factor = 1.4**
3. Q. H. Ansari and **M. S. Raju**; *Splitting extragradient-like algorithms with Bregman distance for solving equilibrium problems*, **J. Nonlinear Convex Anal.**, **26**(2), 325-347 (2025). **Impact factor = 1.016**
4. Q. H. Ansari, **M. S. Raju** and F. Babu; *Sequential splitting algorithms with Bregman distance for solving equilibrium problems*, **J. Nonlinear Var. Anal.**, **9**(4), 599-616 (2025). **Impact factor = 2.5**
5. F. Babu, **M. S. Raju** and J. C. Yao, *Incremental conditional subgradient methods for minimizing the sum of quasiconvex functions*, **J. Nonlinear Convex Anal.**, (Accepted for publication). **Impact factor = 1.016**
6. F. Babu, D. Ghosh and **M. S. Raju**; *Projected quasi-subgradient method for Hölder continuous quasi-convex multiobjective optimization*, **Positivity (Accepted for Publication)**. **Impact Factor = 1.1**

List of Books/Book Chapters:

- None

Patents (if any):

- None

List of Honours/Awards:

- Visited Department of Applied Mathematics, National Sun Yat-sen University, Kaohsiung, Taiwan for collaboration with Prof. Jen-Chih Yao, January 01 - January 19, 2024.
- Received Maulana Azad National Fellowship No. 201920-425194 of University Grant Commission, India for five years during Ph.D. at AMU, Aligarh, India
- Qualified GATE 2021 organised by IIT Bombay
- Qualified CSIR-UGC NET June, 2019
- Qualified CSIR-UGC NET December, 2018
- Qualified WBSET, 2017
- Qualified CSIR-UGC NET December, 2016
- Qualified JAM 2013
- Awarded INSPIRE Scholarship for five years during B.Sc and M.Sc from the Department of Science and Technology, Ministry of Science and Technology, Government of India

Membership in scientific bodies:

- Life Member of Indian Mathematical Society

Editor/or Editorial Board Member/Reviewer:

- Reviewer of some journals of Springer

Lecture Presentations:

1. Presented a research paper entitled '*Explicit iterative method for minimizing the sum of non-convex functions*' at the **International Conference on Dynamical Systems, Control and their Applications (ICDSCA-2022)**, organized by the Department of Mathematics, IIT Roorkee, India, July 01-03, 2022.
2. Presented a research paper entitled '*Proximal point method for quasiconvex pseudomonotone equilibrium problems*' at the **2nd International Conference on Nonlinear Applied Analysis & Optimization and NMD 2022**, organized by the Department of Mathematical Sciences, IIT (BHU), Varanasi, India, December 19-22, 2022.
3. Presented a research paper entitled '*PPA with Bregman distance for quasiconvex pseudomonotone equilibrium problems*' at the **88th Annual Conference of The Indian Mathematical Society, An International Meet**, organized by the Department of Mathematics, BIT Mesra, Ranchi, India, December 27-30, 2022.
4. Presented a research paper entitled '*Gradient projection method for quasiconvex equilibrium problems*' at the **G-20 Themed International Conference on Variational Analysis and Optimization with Applications (ICVAOA-2023)**, organized by the Department of Mathematics, Aligarh Muslim University, Aligarh, India, September 23-25, 2023.
5. Delivered a contributed talk entitled '*Halpern inertial subgradient method with Bregman distance for solving equilibrium problems in Banach Spaces*' at the Indo-French Seminar on '**Recent Developments in Nonlinear Optimization Problems and Applications (RDNOPA 2025)**' and '**International Conference on Nonlinear Optimization and Applications (ICNOA 2025)**' held at the Department of Mathematics, Institute of Science, BHU, Varanasi, India, October 29-31, 2025.
6. Delivered a contributed talk entitled '*Extragradient-like algorithms with Bregman distance for solving equilibrium problems*' at the **International Conference on Mathematical Sciences and Computational Intelligence (ICMSCI-2026)** organized by the Department of Mathematics, P.G.D.A.V.

College, University of Delhi in association with Faculty of Mathematical Sciences, University of Delhi, IIT Mandi and NIT Uttarakhand, held from 20-22 February, 2026.

Muzaffar Sarkar Raju

Date: 15/09/2026