Name: **Dr. Mohd. Iqbal Bhat**

Qualification: **M. Sc., (KU), M. Phil., Ph.D., (A.M.U)**

Designation: Assistant Professor

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Academic Record

- Ph. D. (2004) (Mathematics), awarded from A.M.U., Aligarh, India 202 002.
- M.Phil.(2001) (Mathematics), from A.M.U, Aligarh, India.
- M.Sc., (2000) (Mathematics), from University of Kashmir (KU), J & K-190006

Ph. D. Thesis Topic: "Existence and Iterative Approximation of Solutions of some Classes of Variational Inequalities".

M.Phil., Dissertation Topic: "Study of Certain Classes of Variational Inequalities".

3. Research Publications

1. I An iterative algorithm for a system of generalized implicit nonconvex variational inequality problems (In Press: Journal of Nonlinear Analysis and Optimization: Theory and Applications).
2. An Iterative Algorithm based on M-Proximal Mappings for for a Genrralized Implicit Variational Inclusions in Banach spaces, *Journal of Computational and Applied Mathematics*, Vol. 233, 361-371 (2009) (with K.R. Kazmi and Naeem Ahmad).
3. Convergence and Stability of Iterative Algorithms for some Classes of General Variational Inclusions in Banach spaces, *Southeast Asian Bulletin of Mathematics*, Vol. 32, 99-116 (2008) (with K.R. Kazmi).
4. Iterative Algorithms for a System of Set-valued Variational-like Inclusions; *Kochi Journal of Mathematics*, Vol. 2, 107-115 (2007) (with K.R. Kazmi).
5. Convergence and Stability of a Three-Step Iterative Algorithm for a General Quasi-Variational Inequality Problem, *Fixed Point theory and Applications*, Vol. , 1-16, (2007) (with K.R. Kazmi).
6. A Class of Multi-valued Variational Inclusions in Banach Spaces, Journal of *Nonlinear Convex Analysis and Applications*, Vol. 6(3), 487-495, (2005) (with K.R. Kazmi).
7. Iterative Algorithms for a Multi-valued Variational Inclusions in Banach Spaces, *Journal of Computational Analysis and Applications*, Vol. 7(1), 49-70, (2005) (with K.R. Kazmi).

8. Convergence and Stability of a Iterative Algorithms for a Generalized Set-valued Variational-like Inclusions in Banach Spaces, *Applied Mathematics and Computation*, Vol., 166 (2005) (with K.R. Kazmi).
9. Iterative Algorithms for a System of Nonlinear Variational-like Inclusions, *Computers and Mathematics with Applications*, Vol. 48(12), 1929-1935 (2004) (with K.R. Kazmi).
10. Parametric General Mixed Variational Inequality Problem in Uniformly Smooth Banach Space, *Ganita Sandesh*, Vol. 19(1), 1-10 (2005) (with K.R. Kazmi and F.A. Khan).
11. Existence of Solutions and iterative Algorithms for a Generalized Implicit Co-complementarity Problems in Banach Spaces, *South East Asian Journal of mathematics & Mathematical Sciences*, Vol. 1 (2003) (with K.R. Kazmi).
12. Some Remarks on Variational Inequalities and Wiener-Hopf Equations, *South East Asian Journal of mathematics & Mathematical Sciences*, Vol. 1(1), 55-62 (2002) (with K.R. Kazmi).
13. Implicit Resolvent method for variational Inclusions (submitted).

4. **Talks Delivered\Conferences \Seminars \ Papers Presented**

1. Delivered an invited talk on *" Iterative Algorithms for Systems of Variational-Like Inclusions* in the 21st Annual Conference of JMS, Feb. 25-27, (2011) Department of mathematics Jammu University.
2. Presented a paper on *"Systems of Variational and Variational-Like Inclusions"* in the 19th Annual Conference of JMS, Feb. 26-28 (2009), Department of Mathematics University of Jammu, J & K.
3. Presented a paper on *"Systems of Variational Inclusions"* in the National Conference on Advances in Mathematics & its Applications, Organized by ISMAMS, Feb. 13-15 (2004), Department of Mathematics Gorakhpur University, Gorakhpur, U.P.
4. Presented a paper on *"Systems of Non-linear Variational-Like Inclusions in Hilbert Spaces"* in the 69th Conference of IMS, Dec. 26-29 (2003), Department of Mathematics and Astronomy Lucknow University,Lucknow.
5. Presented a paper on *"Implicit Resolvent Methods for Set-valued Variational Inclusions in Banach spaces"* in the Conference on "Recent Trends in Algebra and Analysis" March 03-05 (2003), Department of Mathematics A.M.U, Aligarh.
6. Presented a paper on *"Co-Complementarity Problems"* in 68th Annual Conference of Indian Mathematical Society (IMS), Dec. 20-23 (2002), Department of Mathematics, Shivaji University Kolhapur, Maharashtra.

7. Attended the "69th Annual Conference of Indian Mathematical Society (IMS), Dec. 26-29 (2003), Department of Mathematics and Astronomy Lucknow University,Lucknow.
8. Attended the Conference on "Recent Trends in Mathematics", March 03-05 (2003), Department of Mathematics A.M.U, Aligarh.

6. Short Term Courses:

1. Participated in the 3-Weeks UGC Sponsored *"Subject Refresher Course"*, in Women Studies (Interdisciplinary) during Feb, 2012, Organized by Academic Staff College, A. M. U., Aligarh
2. Participated in the 4-Weeks UGC Sponsored *"General Orientation Course*", during Jan-Feb, 2010, Organized by Academic Staff College, University of Kashmir, Srinagar
3. Participated in the 3-Weeks UGC Sponsored *"Subject Refresher Course"*, during Feb, 2009, Organized by Academic Staff College, A. M. U., Aligarh.
4. Attended the NBHM sponsored workshop on *"Partial Differential Equations, Viscosity Solutions and Applications"*, July 21-Aug.08,2003, Department of Mathematics, IISc., Bangalore.

7. Books/Scripts

- Script on "Functional Analysis", Published by Directorate of Distance Education, University of Kashmir, Srinagar

8. Awards and Achievements:

- Awarded University Fellowship, by the Department of Mathematics, Aligarh Muslim University, Aligarh in 2002-2004.

9. Membership of Academic Societies:

1. Life Member of Indian Mathematical Society (IMS).
2. Life Member of Jammu Mathematical Society (JMS).

10. Reviewer for Journals:

1. International Journal of Computational and Applied Mathematics.
2. International Journal of Applied Mathematics and Computation.
3. International Journal of Computers and Mathematics with Application.
4. Thai Journal of Mathematics.
5. International Journal of Mathematical Sciences.

11. Area of Specialization:

Nonlinear Functional Analysis, Variational Inequalities

11. Teaching and Research Experience:

- Working as Assistant Professor in the Post Graduate Department of Mathematics, South Campus, Anantnag, University of Kashmir from 2007.

- Worked as Assistant Professor in the Department of Applied Mathematics, Baba Ghulam Shah Badshah University, Rajouri J & K.

- Taught Numerical Analysis in one Academic Session during research tenure in Aligarh Muslim University, in 2004.

12. Subjects Taught/ Teaching:

a. At PG Level **b. At UG Level**

- Topology — Numerical Analysis
- Functional Analysis — Calculas
- Ordinary Differential Equations
- Partial Differential equations
- Methods of Applied Mathematics

11. Computer Skills:

MS Office, Latex 4.2