

## **Curriculum Vitae**

### **Contact Information:**

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### **Academic Qualification:**

- Ph. D. (March 2018) Mathematics, awarded from University of Kashmir, Srinagar.
- M. Phil. (2014) Mathematics, awarded from University of Kashmir, Srinagar having Grade A.
- M.Sc. Mathematics (2010) from University of Kashmir, having **70.75%**.
- B.Sc. (2008) with Physics, Chemistry and Mathematics from University of Kashmir, having **64.55 %**.
- Higher Secondary Part-II (Non-Medical) (2005) having **60 %**.
- Secondary School Examination-10<sup>th</sup> (2003) having **68.20 %**.

### **Research Experience:**

- **Ph. D. Thesis Topic:** “Existence of Solution and Approximation Solvability of Some Classes of Variational Inequalities”.
- **M.Phil. Dissertation Topic:** “Some Iterative Methods for Solving Variational Inequalities”.

### **Awards and Achievements:**

- Awarded University Fellowship, by the Department of Mathematics, University of Kashmir, Srinagar during Ph.D. Programme.

### **Membership:**

- Member of Kashmir Mathematical Society (KMS).

### **Professional Qualification:**

- **B.Ed.** (2011), from University of Kashmir, having **72.70%**.

### **Computer Skills:**

1. Diploma in Computer Applications (6-months) through Computer Trust of Kashmir, Srinagar.
2. Office Assistant Course (3-months) (course contents include: MS-Word, MS-Access, MS-Excel, MS-Powerpoint) through Kashmir Govt. Polytechnic, Gogji Bagh, Srinagar.
3. Web Designing (3-months) through Directorate of Lifelong Learning, University of Kashmir.
4. Knowledge of Latex 4.2.

### **Teaching Experience: More than Eight Years**

- Worked as Lecturer at National Institute of Technology, Srinagar for the academic session **2011**.
- Worked as Lecturer at National Institute of Technology, Srinagar for the academic session **2012**.
- Worked as Lecturer at Govt Degree College Sumbal, Sonawari for the academic session **2018**.
- Worked as Lecturer at National Institute of Technology, Srinagar for the academic session **2019**.
- Worked as Lecturer at University of Kashmir, IOT Zakura for the academic session **2020**.
- Working as Lecturer at Cluster University Srinagar (AAAM college Bemina) for the academic session **2021**.
- Working as Lecturer at Cluster University Srinagar (S.P.College Srinagar) for the academic session **2022**.
- Working as Lecturer at Cluster University Srinagar (S.P.College Srinagar) for the academic session **2023**.
- Worked as Lecturer at Govt Degree College Sumbal, Sonawari from **09-10-2024 to 26-12-2024**.

### **Conferences/Workshops attended and Oral Presentations/Papers Presented:**

1. Participated in the National Conference on “**Analysis and Applications**” held on **November 19-20, 2012** organized by the **Department of Mathematics, N.I.T Srinagar**.
2. Participated in the Advanced Level Workshop on “**Nonlinear Functional Analysis & its Applications**” (NFAA-2013) held at Department of Mathematics, University of Kashmir, Srinagar in collaboration with NPDE-TCA, IIT Bombay, during the period **October 21-29, 2013**.

3. Participated in the Advanced Instructional School/Workshop on “**Naïve Set Theory & its Applications-2015**” held at Department of Mathematics, University of Kashmir, Srinagar, from **April 13 – May 2, 2015**.
4. Attended Research Promotion Workshop on “**Introduction to Graph and Geometric Algorithms**” held at University of Kashmir, Srinagar, from **18-20 May 2015**.
5. Attended National Level Workshop on “**Mathematics and Its Applications**” organized by the Department of Mathematics, University of Kashmir, Srinagar, in collaboration with NBHM, Department of Atomic Energy, Govt. of India from **October 5-11, 2015**.
6. Attended Instructional School on “**Field Theory**” held at Department of Mathematics, University of Kashmir, Srinagar, from **May 02-14, 2016**.
7. Participated in one day Workshop on “**Celebration of Ramanujan Day**” organized by Kashmir Mathematical Society in collaboration with JK Institute of Mathematical Sciences held on **December 22, 2016**.
8. Presented a paper on “Generalized System of Variational-like Inclusions” in **12<sup>th</sup> JK Science Congress** held at **University of Jammu** from **March 02-04, 2017**.
9. Presented a paper on “Approximation Solvability of Generalized Variational-Like Inclusions in Hilbert spaces” in **SEEDS-2017** held at **University of Kashmir** from **March 24-25, 2017**.
10. Presented a paper on “Approximation Solvability of a Class of Generalized Variational Inclusions involving  $(H, \varphi) - \eta$  – monotone operators” in **IST J&K Teachers Science Congress**, organized by JK Institute of Mathematical Sciences, Srinagar from **12-14 November 2017**.
11. Presented a paper on “An Iterative Algorithm for solving a class of Variational Inclusions in Banach Spaces” in National Conference on **Recent Trends in Pure and Applied Mathematics**, organized by Department of Mathematics, University of Kashmir in collaboration with Kashmir Mathematical Society, held on **December 19, 2017**.
12. Presented a paper on “An Iterative Algorithm for solving a class of Variational Inclusions in Banach Spaces” in **5<sup>th</sup> J&K Women Science Congress-2018 ‘Emerging Trends in Science: Role of Women’**, organized by Govt. College for Women, M.A.Road, Srinagar from **27<sup>th</sup>-29<sup>th</sup> March 2018**.
13. Presented a paper on “Three-Step Iterative Scheme for Solvability of Generalized Quasi-Variational Like Inclusions” in **13<sup>th</sup> Session of J&K Science Congress-2018**, organized by University of Kashmir in collaboration with J&K State Science, Technology and Innovation Council from **2<sup>nd</sup> -4<sup>th</sup> April, 2018**.
14. Presented a paper on “Convergence of an Iterative Algorithm for a Class of Set-Valued Variational Inclusion” in **SEEDS-2018**, organized by Department of

Electronics and Instrumentation Technology, University of Kashmir from **3-4 April, 2018**.

15. Presented a paper on “Existence of Solution and Iterative Algorithm involving Maximal- $\eta$ -Monotone Operator for a System of Variational Inclusions” in **1<sup>st</sup> International Conference on Recent Developments in Science, Humanities and Management-2018**, held on **17<sup>th</sup>-18<sup>th</sup> April, 2018** at Amar Singh College (Cluster University) Srinagar.
16. Attended TEQIP-III sponsored one week online short term course on “**Mathematics without Boundaries**” organized by Department of mathematics, NIT Srinagar.

### **List of Publications:**

1. **Mohd Iqbal Bhat and Bisma Zahoor**, Existence of solution and iterative approximation of a system of generalized variational-like inclusion problems in Semi-inner product spaces, **Filomat**, 31:19 (2017), 6051-6070.
2. **Mohd Iqbal Bhat and Bisma Zahoor**,  $(H(\cdot, \cdot), \eta)$  –Monotone operator with an application to a system of set-valued variational-like inclusions in Banach spaces, **Nonlinear Funct. Anal. Appl.**, 22 (3) (2017), 673-692.
3. **Mohd Iqbal Bhat and Bisma Zahoor**, Three-step iterative scheme for solvability of generalized quasi-variational like inclusions in Hilbert spaces, **Thai Journal Of Mathematics.**, 19 (2) (2021), 431-444.
4. **Mohd Iqbal Bhat and Bisma Zahoor**, Approximation solvability for a system of variational-like inclusions involving generalized  $(H, \phi) - \eta$  –monotone operators, **Int. J. Modern Math. Sci.**, 15(1) (2017), 30-49.
5. **Mohd Iqbal Bhat and Bisma Zahoor**, Generalized variational-like inclusion problem involving  $(H(\cdot, \cdot), \eta)$  –monotone operators in Banach spaces, **Journal of Nonlinear Analysis and Optimization.**, 8(1) (2017), 7-19.
6. **Bisma Zahoor, Mohd Iqbal Bhat and Mudasir A.Malik**, Approximation solvability of a perturbed Mann iterative algorithm with errors for a system of mixed variational inclusions involving  $\oplus$  operation, **Journal of Nonlinear Analysis and Optimization.**, 12(2) (2021), 103-118.

7. **Mohd Iqbal Bhat, Mudasar A. Malik and Bisma Zahoor**, Krasnoselskii-Type approximation solvability of a generalized Cayley inclusion problem in semi-inner product space, **Electronic Journal of Math. Anal. Appl.**, 10(2) (2022), 46-60.
8. **Iqbal Bhat Mohd, Zahoor Bisma and Ahmad Malik Mudasar**,  $H(\cdot; \cdot) - \varphi - \eta$  -accretive operator with an application to a system of generalized variational inclusion problems in  $q$ -uniformly smooth Banach spaces, **International Journal of Nonlinear Analysis and Applications.**, doi 10.22075/IJNAA.2022.24922.3029.
9. **Bisma Zahoor**, Existence of Solution and Iterative Algorithm involving Maximal- $\eta$ -Monotone Operator for a System of Variational Inclusions, **International Journal of Advance Research in Science and Engineering.**, 7(4) (2018).
10. **Mudasir A. Malik, Mohd Iqbal Bhat and Bisma Zahoor**, Solvability of a class of set-valued implicit quasi-variational inequalities: A Wiener-Hopf equation method, **Results in Control and Optimization (2022).**, doi <https://doi.org/10.1016/j.rico.2022.100169>.