

# CURRICULUM VITAE

**NAME** : **DR. QAMRUL HASAN ANSARI**  
Father's Name : Mr. Aley Hasan Ansari  
Marital Status : Married  
Date and Place of Birth : August 10, 1959; Alapur, Budaun, U.P. (INDIA)  
Nationality : Indian  
Present Position : Professor  
Permanent and Postal Address : Department of Mathematics  
Aligarh Muslim University  
Aligarh 202 002, India  
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## ACADEMIC QUALIFICATIONS :

**M. Phil.** (Awarded in 1985 by The Aligarh Muslim University, Aligarh)

**Ph. D.** (Awarded in 1988 by The Aligarh Muslim University, Aligarh)

- **TOPIC OF M. PHIL.**

Variational Inequalities and Error Estimation

- **TOPIC OF PH.D.**

On Certain Problems Concerning Variational Inequalities

- **AWARD OF SCHOLARSHIPS**

1. Merit Scholarship in M.Sc.
2. Junior Research Fellowship in Ph.D.
3. Post Doctoral Fellowship of National Science Council of Taiwan (October 1997 - July 2000).

- **FIELD OF SPECIALIZATION AND INTEREST**

Applied Functional Analysis, Optimization, Convex Analysis, Nonlinear Analysis, Fixed Point Theory in Topological Vector Spaces, Abstract Economies, Game Theory.

- **RESEARCH EXPERIENCE**

23 years in the field of Variational Inequalities, Complementarity Problems, Optimization, Convex Analysis, Vector Equilibrium problems, Fixed Point Theory in Topological Vector Spaces, Multivalued Mappings, Abstract Economies, Game Theory.

- **TEACHING EXPERIENCE**

25 years

August 1988 - October 1989, as a Lecturer, Department of Mathematics, Aligarh Muslim University, Aligarh, India.

October 1989 - June 1990, as a Lecturer, Department of Mathematics, College of Education for Girls, Al-Anbar University, Ramadi, Iraq.

August 1990 - December 1992, as a Lecturer, Women's College, Aligarh Muslim University, Aligarh, India.

December 1992 - March 28, 1997, as a Lecturer, Department of Mathematics, Aligarh Muslim University, Aligarh, India.

March 28, 1997 - March 27, 2005, as a Reader (Associate Professor), Department of Mathematics, Aligarh Muslim University, Aligarh, India.

March 28, 2005 - December 02, 2008 (On Extra Ordinary Leave), as a Professor, Department of Mathematics, Aligarh Muslim University, Aligarh, India.

September 08, 2003 - July 23, 2007, as an Associate Professor, Department of Mathematical Sciences, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia.

July 24, 2007 - December 02, 2008, as a Professor, Department of Mathematics & Statistics, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia.

December 03, 2008 - Continue as a professor, Department of Mathematics, Aligarh Muslim University, Aligarh, India.

- **COURSES TAUGHT**

**Under graduate courses :** Calculus, Numerical Analysis, Convex Analysis, Mathematical Methods, Real Analysis, Metric Spaces.

**Post-graduate courses :** Applied Functional Analysis, Functional Analysis, General Topology, Optimization, Convex Analysis, Vector Optimization, Topological Vector Spaces, Computer Programming (FORTRAN 77), Mathematical Programming.

- **PH.D. SUPERVISED**

1. S. S. Irfan, Existence Results and Solution Methods for Certain Variational Inequalities and Complementarity Problems, 2002.
2. Z. Khan, Systems of Variational Inequalities and Multiobjective Games, 2003/2004.
3. H. Gupta, Well-Posedness and Solution Methods for Certain Variational Inequalities, 2014.

- **M.PHIL. SUPERVISED**

1. Aisha Rehan, Iterative Methods for Split Feasibility and Fixed Point Problems, October, 2013.

- **BOOKS**

- Q.H. Ansari, *Metric Spaces – Including Fixed Point Theory and Set-Valued Maps*, Narosa Publishing House, New Delhi, 2010. Also Published by Alpha Science International Ltd. Oxford, U.K., 2010.

- Q.H. Ansari, C.S. Lalitha and M. Mehta, *Generalized Convexity, Nonsmooth Variational Inequalities and Nonsmooth Optimization*, CRC Press, Taylor & Francis Group, Boca Raton, London, New York, 2014.
- Q.H. Ansari and J.-C. Yao, *Vector Equilibrium Problems and Vector Optimization*, To be published by Springer-Verlag, Berlin, Heidelberg, 2014 (Under preparation).

• **BOOKS EDITED**

- Q.H. Ansari (Editor), *Topics in Nonlinear Analysis and Optimization*, World Education, Delhi, 2012.
- Q.H. Ansari and J.-C. Yao (Editors), *Recent Advances in Vector Optimization*, Springer-Verlag, Berlin, Heidelberg, 2012.
- R. Ahmad, Q.H. Ansari and M. Imdad (Editors), *Analysis and Its Applications*, Narosa Publishing House, New Delhi, 2013.
- Saleh Almezal, Qamrul Hasan Ansari and Mohamed Amine Khamsi (Editors), *Topics in Fixed Point Theory*, Springer, Cham, Heidelberg, New York, Dordrecht, London, 2014.
- Qamrul Hasan Ansari (Editor), *Nonlinear Analysis: Approximation Theory, Optimization and Applications*, Birkhäuser, Springer, New Delhi, Heidelberg, New York, Dordrecht, London, 2014.
- Saleh A.R. Almezal, Falleh R.M. Al-Solamy and Qamrul H. Ansari (Editors), *Fixed Point Theory, Variational Analysis, and Optimization*, CRC Press, Taylor & Francis Group, Boca Raton, London, New York, 2014.

## • CHAPTER IN BOOKS

- Q.H. Ansari and J.-C. Yao, *Systems of Vector Quasi-Equilibrium Problems and Their Applications*, in *Variational Analysis and Generalized Differentiation in Optimization and Control: In Honour of Boris S. Mordukhovich*, Edited by Regina S. Burachik and Jen-Chih Yao, Springer-Verlag, Berlin, New York, 2011.
- Q.H. Ansari and J.-C. Yao, *Some Equivalences among Nonlinear Complementarity Problems, Least-Element Problems and Variational Inequality Problems in Ordered Spaces*, in *Topics in Nonconvex Optimization, Theory and Applications*, Edited by S.K. Mishra, Springer-Verlag, New York, Heidelberg, pp. 1-25, 2011.
- Q.H. Ansari and L.-J. Lin, *Ekeland type Variational Principle and Equilibrium Problems*, in *Topics in Nonconvex Optimization, Theory and Applications*, Edited by S.K. Mishra, Springer-Verlag, New York, Berlin, 2011.
- S. Al-Homidan, Q.H. Ansari and J.-C. Yao, *Nonsmooth Invexities, Invariant Monotonicities and Nonsmooth Vector Variational-like Inequalities with Applications to Vector Optimization*, in *Recent Developments in Vector Optimization*, Edited by Q.H. Ansari and J.-C. Yao, Springer-Verlag, Berlin, 2012.
- Qamrul Hasan Ansari, *Ekeland's Variational Principle and Its Extensions with Applications*, in *Topics in Fixed Point Theory*, Edited by Saleh Almezal, Qamrul Hasan Ansari and Mohamed Amine Khamsi, Springer, Cham, Heidelberg, New York, Dordrecht, London, pp. 65–100, 2014.
- Q.H. Ansari and D.R. Sahu, *Some Iterative Methods for Fixed Point Problems*, in *Topics in Fixed Point Theory*, Edited by Saleh Almezal, Qamrul Hasan Ansari and Mohamed Amine Khamsi, Springer, Cham, Heidelberg, New York, Dordrecht, London, pp. 273–300, 2014.
- Q.H. Ansari, *An Introduction to Variational-like Inequalities*, in *Fixed Point Theory, Variational Analysis, and Optimization*, Edited by Saleh A.R. Almezal, Falleh R.M. Al-Solamy and Qamrul H. Ansari, CRC Press, Taylor & Francis Group, Boca Raton, London, New York, pp. 207–245, 2014.
- D.R. Sahu and Q.H. Ansari, *Hierarchical Minimization Problems and Applications*, in *Nonlinear Analysis: Approximation Theory, Optimization and Applications*, Edited by Qamrul Hasan Ansari, Birkhäuser, Springer, New Delhi, Heidelberg, New York, Dordrecht, London, pp. 199–229, 2014.
- Q.H. Ansari, L.-C. Ceng and H. Gupta, *Triple Hierarchical Variational Inequalities*, in *Nonlinear Analysis: Approximation Theory, Optimization and Applications*, Edited by Qamrul Hasan Ansari, Birkhäuser, Springer, New Delhi, Heidelberg, New York, Dordrecht, London, pp. 231–280, 2014.
- Q.H. Ansari, A. Rehan *Split Feasibility and Fixed Point Problems*, in *Nonlinear Analysis: Approximation Theory, Optimization and Applications*, Edited by Qamrul Hasan Ansari, Birkhäuser, Springer, New Delhi, Heidelberg, New York, Dordrecht, London, pp. 281–322, 2014.

## • SCIENTIST RANKING IN MATHEMATICS

- 714 ranked in mathematics scientist ranking 2007; See <http://esi.isiknowledge.com/>
  - 656 ranked in mathematics scientist ranking 2008; See <http://esi.isiknowledge.com/>
  - 322 ranked in mathematics scientist ranking 2009; See <http://esi.isiknowledge.com/>
  - 665 ranked out of 1236 in mathematics scientist ranking 2011; See <http://esi.webofknowledge.com/rankdatapage.cgi?option=A&searchby=F&search=Mathematics&sortby=1&currpage=34>
- **CITATION** According to Web of Knowledge of ISI, total number of citations are 1929 by the end of December, 2013.
  - **RESEARCH PROJECT**
    1. Major Research Project of U.G.C. entitled “Vector Equilibrium Problems and their Applications”, April 01, 2002 to September 06, 2003.
    2. Fast Track Research Project of KFUPM entitled “Ekeland’s Variational Principles for Equilibrium Problems and their Applications”, September 01, 2006 to August 31, 2007.
    3. Fast Track Research Project of KFUPM entitled “Vector Quasi-Equilibrium Problems and their Applications”, September 01, 2007 to August 31, 2008.
    4. KFUPM Funded Research Project entitled “Multi-Objective Optimization and Vector Variational Inequalities”, April 01, 2007 to September 30, 2008.
    5. KFUPM Funded Research Project entitled “Iterative Methods for Solving Variational Inequalities with Applications”, May 15, 2007 to November 14, 2008.
    6. KFUPM Funded Research Project entitled “Generalized Invexity, Non-Smooth Vector Optimization and Vector Variational-like Inequalities”, October 01, 2009 to September 30, 2011.
    7. KFUPM Funded Research Project entitled “Nonsmooth Vector Variational Inequalities with Applications”, May 01, 2011 to April 30, 2013.
  - **ASSOCIATE EDITOR OF THE JOURNALS**
    - Journal of Optimization Theory and Applications (2010 – Continue)
    - Fixed Point Theory and Applications (January 2014 – Continue)
    - Journal of Inequalities and Applications (2010 – December 2013)
  - **GUEST EDITOR OF THE SPECIAL ISSUES OF THE JOURNALS**
    - Journal of Global Optimization
    - Indian Journal of Industrial and Applied Mathematics
    - Fixed Point Theory and Applications
    - Abstract and Applied Analysis
    - Applicable Analysis

- Positivity
- Filomat

- **REFeree OF THE JOURNALS**

Journal of Optimization Theory and Applications (U.S.A.), Journal of Global Optimization (U.S.A.), Nonlinear Analysis; Theory, Methods and Applications (U.S.A.), Journal of Mathematical Analysis and Applications (U.S.A.), Optimization (Germany), Annales des Sciences Mathematiques du Quebec (Canada), Indian Journal of Pure and Applied Mathematics (India), International Journal of Fuzzy Systems (Taiwan), Taiwanese Journal of Mathematics (Taiwan), Journal of Computational and Applied mathematics (Elsevier), Applied Mathematics Letters (Elsevier), Computers and Mathematics with Applications (Elsevier), RAIRO Operations Research, Applied Mathematics and Optimization (Elsevier), Asia Pacific Journal of Operations Research (India), European Journal of Operations Research Taiwanese Journal of Mathematics, Pacific Journal of Optimization, Proceedings of the International Conferences.

- **CONVENER OF INTERNATIONAL CONFERENCES / TRAINING PROGRAMME / SESSION IN A CONFERENCE**

1. Convener, International Conference on Analysis and its Applications (ICAA-2011), Department of Mathematics, Aligarh Muslim University, Aligarh during November 19-21, 2011.
2. Convener, Training Programme on Nonlinear Analysis with Applications to Optimization and Game Theory, Department of Mathematics, Aligarh Muslim University, Aligarh during November 16-19, 2011.
3. Convener, Special session on Approximation Theory and Optimization in *78th Annual Conference of Indian Mathematical Society*, January 22-25, 2013 at Banaras Hindu University, Varanasi, India.

- **MEMBER OF ORGANIZING COMMITTEE OF INTERNATIONAL CONFERENCES / SYMPOSIUM**

1. Member of the program committee of “International Conference on Optimization and Optimal Control (ICOOC 2001)”, May 30 - June 03, 2001, Department of Mathematics, National Cheng Kung University, Tainan, Taiwan.
2. Member of the International advisory committee of “7th International Symposium on Generalized Convexity/Monotonicity”, August 27 - 31, 2002, The Hanoi Institute of Mathematics, Hanoi, Vietnam.
3. Member of the Scientific Committee of “International Conference on Analysis and Its Applications”, May 28-31, 2004, Department of Mathematics, National Changhua University of Education, Changhua, Taiwan.
4. Member of the Organizing Committee of “International Conference on Optimization and Applications”, February 16 - 18, 2010, Department of Mathematics, Banaras Hindu University, Varanasi, India.

5. Member of the Scientific Committee of The 10th International Conference on “Fixed Point Theory and its Applications”, July 9 - 15, 2012, Babes-Bolyai University, Cluj-Napoca, Romania.

- **MEMBER OF ACADEMIC SOCIETIES**

1. Indian Society of Industrial and Applied Mathematics
2. Working Group of Generalized Convexity/Monotonicity
3. Working Group of Equilibrium Models in Complex Systems
4. Indian Mathematical Society
5. Calcutta Mathematical Society

- **VISITING PROFESSOR / SCIENTIST FOR SHORT TERM**

1. Mathematisches Seminar, University of Kiel, Kiel, Germany from March 29 to June 29, 1997 under Scientific exchange program between INSA, New Delhi, Indian and DFG, Bonn, Germany.
2. Department of Applied Mathematics, Hong Kong Polytechnic University, Hong Kong, from December 01 - 06, 1999; June 05 - July 05, 2001 and August 01 - 17, 2004.
3. Department of Mathematical Engineering, Concepcion University, Concepcion, Chile, May 01 - 30, 2001.
4. Department of Applied Mathematics, National Sun Yet-sen University, Kaohsiung, Taiwan and Department of Mathematics, National Changhua University of Education, Changhua, Taiwan, July 05 - 14, 2001, May 16 - June 18, 2002, July 05 - 18, 2005, August 01 - 14, 2007 and May 16 - August 30, 2009, June 03 - 30, 2010, January 02 - 22, 2011.
5. The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy, June 30 - August 11, 2002.
6. Institut für Angewandte Mathematik, Universität Erlangen-Nürnberg, Erlangen, Germany, October 02 – 11, 2007.
7. Division of Mathematical Sciences, Pukyong National University, Busan, Korea, April 01 – 15, 2009.
8. Department of Mathematics and Statistics, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, April 23 - May 19, 2010; May 30 - April 27, 2011; May 02 - June 29, 2012; Dec. 21, 2012 - Jan. 18, 2013; June 02 - 30, 2013; Dec. 02 - Jan 11, 2014;

- **TRAINING / WORKSHOP ATTENDED**

1. All India Summer Institute in Mathematics and Computer Sciences, Utkal University, Bhubaneswar, 1988.

2. National Winter Institute in Computer Programming, Govt. Arts College, Triuvan-namalai, Tamil Nadu, 1988.
3. Reginal Workshop on Applicable Mathematics, Aligarh Muslim University, Ali-garh, 1989.
4. Refresher Course in Mathematics, Academic Staff College, Aligarh Muslim Uni-versity, Aligarh, 1992.
5. Workshop on Industrial Mathematics, Organized by Department of Mathematics, Aligarh Muslim University at Jamia Hamdard, New Delhi, 1992.
6. Workshop on Variational Methods for Hamiltonian System, International Center for Theoretical Physics, Trieste, Italy, 1994.
7. School on Algebraic Number Theory, Bombay University, Bombay, 1994-95.
8. A Course on Wavelets Theory, KFUPM, Dhahran, Saudi Arabia, September - De-cember, 2003.
9. Workshop on Industrial Mathematics, KFUPM, Dhahran, Saudi Arabia, February 29 - March 02, 2004.

● **INTERNATIONAL AND NATIONAL SYMPOSIUM / CONFERENCES ATTENDED**

1. Indo-French Instructional Conference and Symposium on Differential Equations and Numerical Methods, Tata Institute of Fundamental Research, Banglore, 1986.
2. Indian Mathematical Society Conference, Jaipur, 1986.
3. Instructional Conference on Functional and Applications, Aligarh Muslim Univer-sity, Aligarh, 1989.
4. Symposium on General Topology, Maitreyi College, Delhi University, 1987.
5. Indian Mathematical Society Conference, Gorakhpur University, Gorakhpur, 1987.
6. Indian Mathematical Society Conference, Poona University, Pune, 1988.
7. Indian Mathematical Society Conference, Aligarh Muslim University, Aligarh, 1989.
8. Vistas in Modern Applied Mathematics, Goa University, Goa, 1993.
9. Indian Mathematical Society Conference, Bihar University, Muzzafarpur, 1993.
10. Indian Society of Industrial and Applied Mathematics Conference, Anna Univer-sity, Madras, 1994.
11. Jammu Mathematical Society Conference, Jammu University, Jammu, 1996.
12. International Conference on Nonlinear Differential Equations, Tata Institute of Fundamental Research, Bangalore, 1996.
13. International Conference on Functional Analysis with Applications, Aligarh Mus-lim University, Aligarh, 1997.
14. A mini Conference on KKM-Theory and Applications, National Changhua Uni-versity of Education, Changhua, Taiwan, 1998.



15. International Conference on Mathematical Analysis and Applications, National Sun Yat-sen University, Kaohsiung, Taiwan, January 17-21, 2000.
16. in 30th Course : Equilibrium Problems and Variational Models, June 23 - July 02, 2000, 'Ettore Majorana' Foundation and Centre for Scientific Culture, International School of Mathematics << G. Stampacchia >>, Erice, Sicily, Italy, June 23 - July 02, 2000.
17. APORS 2000, National University of Singapore, Singapore, July 5-7, 2000.
18. International Conference IAMIS, GNDU, Amritsar, January 22-25, 2001.
19. International Conference on Optimization Techniques and Its Applications in Engineering and Technology, R.B.S. College, Agra, September 22 - 23, 2001.
20. International Symposium on Generalized Convexity/Monotonicity, Hanoi Institute of Mathematics, Hanoi, Vietnam, August 27-31, 2002.
21. International Conference on Analysis and Discrete Structures, Indian Institute of Technology, Kharagpur, December 22 - 24, 2002.
22. 4th European Congress of Mathematics, Stockholm University, Stockholm, Sweden, June 27-July 02, 2004.
23. The Third International Conference on Optimization and Control with Applications, Chongqing, Chengdu, Jiuzhaigou, China, July 25-31, 2004.
24. The Fourth International Conference on Nonlinear Analysis and Convex Analysis (NACA 2005), Okinawa, Japan, June 30 - July 04, 2005. Also Chaired a session.
25. International Conference on Nonlinear Analysis and Optimization, Isfahan, Iran, April 25-27, 2007 (Also chaired a session).
26. 6th International Congress on Industrial and Applied Mathematics, Zurich, Switzerland, July 16 - 20, 2007.
27. Second International Conference on Nonlinear Programming and with Applications (NPA2008), Beijing, China, April 7 - 9, 2008. Also Chaired a session.
28. SIAM Conference on Optimization, Boston Park Plaza Hotel and Towers, Boston, Massachusetts, USA, May 10 - 13, 2008.
29. International Conference on Analysis, PDEs and Applications, On the occasion of the 70th birthday of Vladimir Maz'ya, University "La Sapienza" in Rome, Italy, June 30 - July 3, 2008.
30. The Sixth International Conference on Nonlinear Analysis and Convex Analysis (NACA2009), March 27 - 31, 2009, Tokyo Institute of Technology, Tokyo, Japan.
31. International Conference on Fixed Point Theory and Applications (ICFPTA 2009), July 16 - 22, 2009, Department of Mathematics, National Changhua University of Education, Changhua, Taiwan.
32. International Conference on Optimization and Applications (ICOA 2010), February 16 - 18, 2010, Department of Mathematics, Banaras Hindu University, Varanasi, India.

33. International Congress of Mathematicians (ICM-2010), August 19 - 27, 2010, Hyderabad, India. Also Chaired a session.
34. The Second Asian Conference on Nonlinear Analysis and Optimization (NAO-Asia 2010), September 9-12, 2010 at Royal Paradise Hotel & Spa Patong beach, Phuket, Thailand. Also Chaired a session.
35. International Conference on Operations Research and Optimization, January 26 - 28, 2011, IPM, School of Mathematics, Tehran, Iran. Also Chaired two sessions.
36. International Conference on Applied Analysis and Algebra (ICAAA-2011), June 29 - July 02, 2011, Yildiz Technical University, Istanbul, Turkey.
37. International Conference on Numerical Analysis and Optimization: Theory and Applications, December 18-19, 2011 at King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia.
38. International Workshop on Mathematics: Fixed Point Theory and Applications, May 21-22, 2012 at Tabul University, Tabuk, Saudi Arabia.
39. 78th Annual Conference of Indian Mathematical Society, January 22-25, 2013 at Banaras Hindu University, Varanasi, India. Also, organized a special session on Approximation Theory and Optimization.
40. International Conference on Nonlinear Analysis and Optimization, December 20-22, 2013 at National Sun Yat-sen University, Kaohsiung, Taiwan. Also chaired a session.
41. National Seminar on Advances in Nonlinear Analysis & Optimization, February 15-17, 2014 at Pt. Ravishankar Shukla University, Raipur. Also chaired a session.

● **PLENARY / INVITED TALKS DELIVERED**

1. *Minimization and Variational Problems*, in “Refresher course in Mathematics”, Academic Staff College, Aligarh Muslim University, Aligarh, India, 1992.
2. *Multivalued Maps*, in “Refresher course in Mathematics”, Academic Staff College, Aligarh Muslim University, India, Aliagrh.
3. *Variational Inequalities and their Applications*, in “Jammu Mathematical Society Conference”, Jammu University, Jammu, India, 1996.
4. *Variational-like Inequalities and Their Applications*, Mathematisches Seminar, University of Kiel, Kiel, Germany, April, 1997.
5. *On the Equivalence of Extended Generalized Complementarity and Generalized Least-element Problems*, at Department of Mathematics, National Cheng-Kung University, Tainan, Taiwan, and National Changua University of Education, Changua, Taiwan, 1998.
6. *Vector Equilibrium Problems and Vector Variational Inequalities*, in, “A mini Conference on KKM-Theory and Applications”, National Changua University for Education, Changua, Taiwan March 12-13, 1998.

7. *An Iterative Method for Nonlinear Variational Inequalities arising in Elastoplasticity* at National Taiwan Normal University, Taipei, Taiwan, 1998.
8. *General KKM Theorem with Applications to Minimax and Variational Inequalities* at National Changhua University for Education, Changhua, Taiwan, 1999.
9. *On Variational-like Inequalities*, at Department of Applied Mathematics, National Dong-Hwa University, Hualian, Taiwan, October 10, 1999.
10. *System of Vector Equilibrium problems and Its Applications*, at Department of Applied mathematics, The Hong Kong Polytechnic University, Hong Kong, December 3, 1999; and in “International Conference on Mathematical Analysis and Applications”, National Sun Yat-sen University, Kaohsiung, Taiwan, January 17-21, 2000.
11. *Generalized Vector Equilibrium Problems*, in the Conference on “Optimization” was held at Department of Mathematics, National University P.S. For Overseas Chinese Students, Linkou, Taiwan, March 23-24, 2000.
12. *On Vector Quasi-Equilibrium Problems* at 'Ettore Majorana' Foundation and Centre for Scientific Culture, International School of Mathematics << G. Stampacchia >>, in 30th Course : Equilibrium Problems and Variational Models, June 23 - July 02, 2000, Erice, Sicily, Italy.
13. *Generalized Vector Equilibrium problems under Generalized Pseudomonotonicity with Applications* at APORS 2000, National University of Singapore, July 5-7, 2000.
14. *An Iterative Algorithm for Generalized Mixed Nonlinear Variational-like Inclusions*, in the International Conference of IAMIS, GNDU, Amritsar, India, January 22-25, 2001.
15. *Vector Quasi-Equilibrium Problems* at the Department of Mathematical Engineering, University of Concepcion, Concepcion, Chile; and Center of Mathematical Modeling, San Diego University, San Diago, Chile, May, 2001.
16. *Generalized Vector Quasi-Equilibrium Problems* at the Department of Mathematics, National Changhua University for Education, Changhua, Taiwan, July, 2001.
17. *Generalized Vector equilibrium Problems*, in the International Conference on Optimization Techniques and Its Applications in Engineering and Technology, R.B.S. College, Agra, September 22 - 23, 2001.
18. *Quasi-Variational Inequalities in Product Spaces For Relatively Pseudomonotone Maps* at the International Symposium on Generalized Convexity/Monotonicity, Hanoi Institute of Mathematics, Hanoi, Vietnam, August 27-31, 2002.
19. *System of Generalized Vector Quasi-Equilibrium Problems with Applications*, in the International Conference on Analysis and Discrete Structures, Indian Institute of Technology, Kharagpur, December 22 - 24, 2002.
20. *Introduction to Multivalued Maps*, in “ Refresher Course in Mathematics, University of Jammu, Jammu, May 21 - June 07, 2003.

21. *Generalized Quasi-Variational Inequalities over Product Spaces*, at The Third International Conference on Optimization and Control with Applications, Chongqing, Chengdu, Jiuzhaigou, China, July 25-31, 2004.
22. *Generalized Implicit Quasi-equilibrium Problems and generalized Weighted Quasi-Variational Inequalities*, at The Fourth International Conference on Nonlinear Analysis and Convex Analysis (NACA 2005), Okinawa, Japan, June 30 - July 04, 2005. Also Chaired a session.
23. Second International Conference on Nonlinear Programming and with Applications (NPA2008), Beijing, China, April 7 - 9, 2008. Also Chaired a session.
24. *An Iterative Algorithm for a System of Generalized Set-Valued Strongly Nonlinear Mixed Variational-Like Inequalities* at Asian Conference on Nonlinear Analysis and Optimization (NAO-Asia2008), Matsue City, Shimane, Japan, September 14 - 17, 2008. Also Chaired a session.
25. *On Some Aspects of Equilibrium Problems* (with A.P. Farajzadeh), Presented in "The Sixth International Conference on Nonlinear Analysis and Convex Analysis" (NACA2009), March 27 - 31, 2009, Tokyo Institute of Technology, Tokyo, Japan.
26. *Ekeland's Variational Principle and its Applications and Some Generalizations of Ekeland-type Variational Principle with Applications to Equilibrium Problems and Fixed Point Theory* Department of Applied Mathematics, Pukyong National University, Busan, Korea, April 9 and 10, 2009.
27. *Some Numerical Methods for Solving Variational Inequalities*, Department of Mathematics, Kyungsoong University, Busan, Korea, April 7, 2009.
28. *Iterative methods for generalized equilibrium problems, systems of extended generalized equilibrium problems and fixed point problems for nonexpansive mappings in Hilbert spaces*, International Conference on Fixed Point Theory and Applications (ICFPTA 2009), July 16 - 22, 2009, Department of Mathematics, National Changhua University of Education, Changhua, Taiwan.
29. *Vector equilibrium problems*, Training Program on Optimization and Applications, February 10 - 14, 2010, Department of Mathematics, University of Delhi, Delhi, India.
30. *Vector variational inequalities and vector optimization problems*, International Conference on Optimization and Applications (ICOA 2010), February 16 - 18, 2010, Department of Mathematics, Banaras Hindu University, Varanasi, India. Also chaired two sessions.
31. *General Convergence Criteria for a Viscosity Approximation Method for Nonexpansive Mappings*, Second Asia Conference on Nonlinear Analysis and Optimization (NAO-Asia-2010), September 9 - 12, 2010, Royal Paradise Hotel and Spa, Patong Beach, Phuket, Thailand. Also Chaired a session.
32. Plenary talk delivered on *Nonsmooth Invexities, Invariant Monotonicities and Nonsmooth Vector Variational-like Inequalities with Applications to Vector Optimization*, International Conference on Operations Research and Optimization, January

- 26 - 28, 2011, IPM, School of Mathematics, Tehran, Iran. Also Chaired two sessions.
33. Plenary talk delivered in *International Conference on Numerical Analysis and Optimization: Theory and Applications*, December 18-19, 2011 at King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia.
  34. Delivered an Invited talk in *International Workshop on Mathematics: Fixed Point Theory and Applications*, May 21-22, 2012 at Tabul University, Tabuk, Saudi Arabia.
  35. Delivered an Invited talk in *78th Annual Conference of Indian Mathematical Society*, January 22-25, 2013 at Banaras Hindu University, Varanasi, India. Also, organized a special session on Approximation Theory and Optimization.
  36. Invited talk delivered in *International Workshop on Nonlinear Analysis and Optimization*, March 18-19, 2013 at Tabul University, Tabuk, Saudi Arabia.
  37. Invited talks delivered *Workshop on Fixed Point Theory, Variational Inequalities and Optimization* in April 23-27, 2013 at Naresuan University, Phitsanulok, Thailand.
  38. Invited talk delivered on *Triple hierarchical variational inequalities in International Conference on Nonlinear Analysis and Optimization*, December 20-22, 2013 at National Sun Yat-sen University, Kaohsiung, Taiwan.
  39. Invited talk delivered in *National Seminar on Advances in Nonlinear Analysis & Optimization*, February 15-17, 2014 at Pt. Ravishankar Shukla University, Raipur.
  40. Invited talks (Three talks) delivered at Department of Mathematics, Andhra University, Vishakhapatnam during March 10-11, 2014.

## • RESEARCH PUBLICATIONS

1. An Iterative Method for Generalized Variational Inequalities, *Mathematica Japonica*, 34 (1989), 475-481 (with A.H. Siddiqi).
2. An Algorithm for a Class of Quasivariational Inequalities, *Journal of Mathematical Analysis and Applications*, 145 (1990), 413-418 (with A.H. Siddiqi).
3. Strongly Nonlinear Quasivariational Inequalities, *Journal of Mathematical Analysis and Applications*, 149 (1990), 444-450 (with A.H. Siddiqi).
4. General Strongly Nonlinear Variational Inequalities, *Journal of Mathematical Analysis and Applications*, 166 (1992), 386-392 (with A.H. Siddiqi).
5. On the Nonlinear Implicit Complementarity Problem, *International Journal of Mathematics and Mathematical Sciences*, 15 (1993), 783-790 (with A.H. Siddiqi).
6. On Variational-like Inequalities, *Annales des Sciences Mathématiques du Québec*, 18 (1994), 95-104 (with A.H. Siddiqi and A. Khaliq)
7. On Nonlinear Variational Inequalities, *Indian Journal of Pure and Applied Mathematics*, 25 (1994), 969-973 (with A.H. Siddiqi and K.R. Kazmi).
8. On Vector Variational Inequalities, *Journal of Optimization Theory and Applications*, 84 (1995), 171-180 (with A.H. Siddiqi and A. Khaliq).
9. On Generalized Variational-like Inequalities, *Indian Journal of Pure and Applied Mathematics*, 26(12) (1995), 1135-1141 (with A.H. Siddiqi and R. Ahmad).
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  151. Iterative Algorithms for Systems of Extended Regularized Nonconvex Variational Inequalities and Fixed Point Problems, *Applicable Analysis*, 93 (5) (2014), 972–993 (with Javad Balooee and Jen-Chih Yao).
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159. Ekeland's Variational Principle for Set-Valued Maps with Applications to Vector Optimization in Uniform Spaces, To appear in *Taiwanese Journal of Mathematics* (2014) (Qamrul Hasan Ansari, S. Eshghinezhad, M. Fakhar)
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● **PAPERS PRESENTED IN CONFERENCES / SYMPOSIUM**

1. *Multivalued Mapping on 2-metric Spaces* (with A.H.Siddiqi and Anis Ahmad Khan), presented at "IMS Conference", held at Jaipur, 1986.
2. *Some Continuities of Fuzzy Multifunctions* (with A.H.Siddiqi), presented at "Symposium on General Topology", Maitreyi College, Delhi University, 1987.
3. *Fuzzy Multifunctions* (with A.H.Siddiqi), presented at IMS Conference, held at Gorakhpur, 1987.
4. *On a Class of Generalized Variational Inequalities* (with A.H.Siddiqi), presented at IMS Conference, held at Pune, 1988.
5. *Complementarity Problems in Semi-inner product Spaces* (with A.H.Siddiqi and R. Ahmad), presented at "Vistas in Modern Applied Mathematics", Goa University, Panji, Goa, 1993.
6. *Generalized Mixed Multivalued Variational Inequalities* (with A.H.Siddiqi), presented at "SIAM Conference", held at Madras, 1994.
7. *A Generalized Vector Variational-like Inequality and Optimization Over an Efficient Set* (with A. H. Siddiqi), presented at the International Conference on Functional Analysis with Applications, held at A.M.U., Aligarh, 1997.
8. *Generalized Quasi-Variational Inequalities over Product Spaces*, presented in "The Third International Conference on Optimization and Control with Applications", July 25-31, 2004, Chongqing, Chengdu, Jiuzhaigou, China (with X. Q. Yang and J. C. Yao).
9. *Generalized Implicit Quasi-equilibrium Problems and generalized Weighted Quasi-Variational Inequalities*, presented in "The Fourth International Conference on Nonlinear Analysis and Convex Analysis" NACA 2005, June 30 - July 04, 2005, Okinawa, Japan.
10. *On Relaxed Viscosity Iterative Methods for Variational Inequalities in Banach Spaces*, Presented in "6th International Congress on Industrial and Applied Mathematics", July 16 - 20, Zurich, Switzerland.
11. *Quasi-Equilibrium Problems with Lower and Upper Bounds in Ordered Topological Spaces*, Presented in "Second International Conference on Nonlinear Programming and with Applications" (NPA2008), April 7 - 9, 2008, Beijing, China.
12. *On Some Aspects of Equilibrium Problems* (with A.P. Farajzadeh), Presented in "The Sixth International Conference on Nonlinear Analysis and Convex Analysis" (NACA2009), March 27 - 31, 2009, Tokyo Institute of Technology, Tokyo, Japan.
13. *Triple Hierarchical Variational Inequalities*, Presented in "International Conference on Applied Analysis and Algebra" (ICAAA-2011), June 29 - July 02, 2011, Yildiz Technical University, Istanbul, Turkey.