

REFERENCES

1. Mann, W.R., 1953, "Mean value methods in iterations", **Proceedings of the American Mathematical Society**, Vol. 4, pp. 506–510.
2. Halpern, B., 1967, "Fixed points of nonexpansive maps", **Bulletin of the American Mathematical Society**, Vol. 73, pp. 957–961.
3. Ishikawa, S., 1974, "Fixed point by a new iterations methods", **Proceedings of the American Mathematical Society**, Vol. 44, pp. 147–150.
4. Noor, M.A., 2000, "New approximation schemes for general variational inequalities", **Journal of Mathematical Analysis and Applications**, Vol. 251, pp. 217–229.
5. Noor, M.A., 2001, "Three-step iterative algorithms for multivalued quasi variational inclusions", **Journal of Mathematical Analysis and Applications**, Vol. 255, pp. 589–604.
6. Korpelevich, G.M., 1976, "The extragradient method for finding saddle points and other problems", **Journal Matecon**, Vol. 12, pp. 747–756.
7. Takahashi, W., Takeuchi, Y. and Kubota, R., 2008, "Strong Convergence Theorems by Hybrid Methods for Families of Nonexpansive Mappings in Hilbert Spaces", **Journal of Mathematical Analysis and Applications**, Vol. 341, pp. 276–286
8. Nakajo, K. and Takahashi, W., 2003, "Strong convergence theorems for nonexpansive mappings and nonexpansive semigroups", **Journal of Mathematical Analysis and Applications**, Vol. 279, pp. 372–379.
9. Takahashi, W., 2000. **Introduction to Nonlinear and Convex Analysis**, Yokohama–Publishers, Yokohama, Japan.

10. Suzuki, T.. 2005. "Strong convergence of Krasnoselskii and Mann's type sequences for one-parameter nonexpansive semigroups without Bochner integrals", **Journal of Mathematical Analysis and Applications**, Vol. 305, pp. 227–239.
11. Xu, H.K., 2004. "Viscosity approximation methods for nonexpansive mappings", **Journal of Mathematical Analysis and Applications**, Vol. 298, pp. 279–291.
12. Osilike, M.O. and Igbokwe, D.I., 2000, "Weak and strong convergence theorems for fixed points of pseudocontractions and solutions of monotone type operator equations", **Computers & Mathematics with Applications**, Vol. 40, pp. 559-567.
13. Opial, Z., 1967, "Weak convergence of successive approximations for nonexpansive mappings", **Bulletin of the American Mathematical Society**, Vol. 73, pp. 591-597.
14. Goebel, K. and Kirk, W.A., 1990, **Topics in metric fixed point theory**, Cambridge University Press, Cambridge.
15. Takahashi, W., 2000. **Nonlinear Functional Analysis**, Yokohama Publishers, Yokohama.
16. Yao, Y., Noor, M.A., Zainab S. and Liouc, Y.C., 2009, "Mixed Equilibrium Problems and Optimization Problems", **Journal of Mathematical Analysis and Applications**, Vol. 354, pp. 319–329.
17. Marino, G. and Xu. H.-K.A, 2006, "General iterative method for nonexpansive mappings in Hilbert spaces", **Journal of Mathematical Analysis and Applications**. Vol. 318, pp. 43–52.
18. Hanson, M.A.. 1981. "On sufficiency of the KuhnTucker conditions", **Journal of Mathematical Analysis and Applications**, Vol. 80, 545-550.
19. Ansari, Q.H. and Yao, J.C.. 2001. "Iterative schemes for solving mixed variational-like inequalities", **Journal Optimization Theory & Applications**, Vol. 108. pp. 527-541.

20. Zhou, H., 2008. "Convergence theorems of fixed Points for k-strict pseudo-contractions in Hilbert spaces", **Nonlinear Analysis**, Vol. 69, pp. 456-462.
21. Shimoji, K. and Takahashi, W., 2001, "Strong convergence to common fixed points of infinite nonexpansive mappings and applications", **Taiwanese Journal of Mathematics**, Vol. 5, pp. 387-404.
22. Chang, S.S., 2007, **Variational Inequalities and Related Problems**, Chongqing Publishing House.
23. Shimizu, T. and Takahashi, W., 1997, "Strong convergence to common fixed points of families of nonexpansive mappings", **Journal of Mathematical Analysis and Applications**, Vol. 211, pp. 71-83.
24. Tan, K.K. and Xu, H.K., 1992, "The nonlinear ergodic theorem for asymptotically nonexpansive mappings in Banach spaces", **Proceedings of the American Mathematical Society**. Vol. 114, pp. 399-404.
25. Plubtieng, S. and Thammathiwat, T., 2008, "A Viscosity approximation method for finding a common fixed point of nonexpansive and firmly nonexpansive mappings in Hilbert spaces", **Thai journal of Mathematics**, Vol. 6, pp. 377-390.
26. Atsushiba, S. and Takahashi, W., 1999, "Strong convergence theorems for a finite family of nonexpansive mappings and applications", **Indian Journal Mathematics**. Vol. 41, pp. 435-453.
27. Colao, V., Marino G. and Xu. H.-K., 2008, "An iterative method for finding common solutions of equilibrium and fixed point problems", **Journal of Mathematical Analysis and Applications**, Vol. 344, pp. 340-352.
28. Cho, Y.J. and Qin. X.L., 2009. "Convergence of a general iterative method for nonexpansive mappings in Hilbert spaces", **Journal of Computational and Applied Mathematics**. Vol. 228. pp. 458-465.
29. Bruck, R.E., 1973. "Nonexpansive projections on subsets of Banach spaces", **Pacific Journal of Mathematics**, Vol. 47, pp. 341-355.

30. Reich, S., 1973, "Asymptotic behavior of contractions in Banach space", **Journal of Mathematical Analysis and Applications**, Vol. 44, pp. 57–70.
31. Kirk, W.A. and Sims, B., 2001, **Handbook of metric fixed point theory**, Kluwer Academic Publishers.
32. Kitahara, S. and Takahashi, W., 1993, "Image recovery by convex combinations of sunny nonexpansive retractions", **Topological Methods in Nonlinear Analysis**, Vol. 2, pp. 333–342.
33. Cai, G. and Hu, C.S., 2010, "Strong convergence theorems of a general iterative process for a finite family of λ_i -strict pseudo-contractions in q -uniformly smooth Banach spaces", **Computers and Mathematics with Applications**, Vol. 59, pp. 149–160.
34. Xu, H.K., 1991, "Inequalities in Banach spaces with applications", **Nonlinear Anal.**, Vol. 16, pp. 1127–1138.
35. Qin, X., Cho, Y.J., Kang J.I. and Kang, S.M., 2009, "Strong convergence theorems for an infinite family of nonexpansive mappings in Banach spaces", **Journal of Computational and Applied Mathematics**, Vol. 230, pp. 121–127.
36. Xu, H.K., 2006, "Strong convergence of an iterative method for nonexpansive and accretive operators", **Journal of Mathematical Analysis and Applications**, Vol. 314, pp. 631–643.
37. Wittmann, R., 1992, "Approximation of fixed points of nonexpansive mappings", **Archiv der Mathematik**, Vol. 58, pp. 486–491.
38. Bruck, R.E., 1973, "Properties of fixed point sets of nonexpansive mappings in Banach spaces". **Transactions of the American Mathematical Society**, Vol. 179, pp. 251–262.
39. Browder, F.E., 1968, "Semicontractive and semiaccretive nonlinear mappings in Banach spaces". **Bulletin of the American Mathematical Society**, Vol. 74, pp. 660–665.

40. Verma, R.U., 1999, "On a new system of nonlinear variational inequalities and associated iterative algorithms", **Mathematical Sciences Research**, Vol. 3, pp. 65–68.
41. Verma, R.U., 2001, "Iterative algorithms and a new system of nonlinear quasi-variational inequalities", **Advances in Nonlinear Variational Inequalities**, Vol. 4, pp. 117–124.
42. Stampacchia, G., 1964, "Formes bilinéaires coercitives sur les ensembles convexes", **Comptes rendus Academy of Sciences**, Vol. 258, pp. 4413-4416.
43. Brézis, H., 1973, "Opérateurs maximaux monotones et semi-groupes de contractions dans les espaces de Hilbert", **North-Holland Mathematics Studies**, Notas de Matemática, North-Holland, Amsterdam, The Netherlands.
44. Zhang, S.-S., Lee, J.H.W. and Chan, C.K., 2008, "Algorithms of common solutions to quasi variational inclusion and fixed point problems", **Applied Mathematics and Mechanics**, Vol 29, pp. 571-581.
45. Rockafellar, R.T., 1976, "Monotone operators and proximal point algorithm", **SIAM Journal on Control and Optimization**, Vol. 14, pp. 877–898.
46. Rockafellar, R.T., 1970, "On the maximality of sums of nonlinear monotone operators", **Transactions of the American Mathematical Society**, Vol. 149. pp. 75–88.
47. Aoyama, K., Iiduka H. and Takahashi, W., 2006, "Weak convergence of an iterative sequence for accretive operators in Banach spaces", **Fixed Point Theory and Applications**, Vol. 2006. 13 pages.
48. Ceng, L.C. and Yao, J.C., 2008, "A hybrid iterative scheme for mixed equilibrium problems and fixed point problems", **Journal of Computational and Applied Mathematics**. Vol. 214, pp. 186–201.
49. Blum, E. and Oettli, W., 1994, "From optimization and variational inequalities to equilibrium problems", **Math. Student.** Vol. 63, pp. 123–145.

50. Combettes, P.L. and Hirstoaga, S.A., 2005, "Equilibrium programming in Hilbert spaces", **Journal of Nonlinear and Convex Analysis**, Vol. 6, pp. 117–136.
51. Peng, J.-W. and Yao, J.-C., 2009, "Strong convergence theorems of iterative scheme based on the extragradient method for mixed equilibrium problems and fixed point problems", **Mathematical and Computer Modelling**, Vol. 49, pp. 1816–1828.
52. Yao, Y., Liou, Y.-C. and Yao, J.-C., 2007, "Convergence theorem for equilibrium problems and fixed point problems of infinite family of nonexpansive mappings", **Fixed Point Theory and Applications**, Vol. 2007, 12 pages.
53. Cho, Y.J., Yao, Y. and Zhou, H., 2008, "Strong convergence of an iterative algorithm for accretive operators in Banach spaces", **Journal of Computational Analysis and Applications**, Vol. 10, pp. 113–125.
54. Qin, X., Cho, S.Y. and Kang, S.M., 2009, "Convergence of an iterative algorithm for systems of variational inequalities and nonexpansive mappings with applications", **Journal of Computational and Applied Mathematics**, Vol. 233, pp. 231–240.
55. Ceng, L.C., Wang, C.Y. and Yao, J.C., 2008, "Strong convergence theorems by a relaxed extragradient method for a general system of variational inequalities", **Mathematical Methods of Operations Research**, Vol. 67, pp. 375–390.
56. G.L. Acedo and H.K. Xu. "Iterative methods for strict pseudo-contractions in Hilbert spaces," *Nonlinear Analysis*, vol. 67, pp. 2258–2271, 2007.
57. S. Atsushiba and W. Takahashi. "Strong convergence theorems for a finite family of nonexpansive mappings and applications," *Indian Journal Mathematics*, vol. 41, pp. 435–453, 1999.
58. E. Blum and W. Oettli. "From optimization and variational inequalities to equilibrium problems," *The Mathematics Student*, vol. 63, pp. 123–145, 1994.
59. H. Brézis, "Opérateur maximaux monotones." in *Mathematics Studies*, vol. 5, North-Holland, Amsterdam, The Netherlands, 1973.

60. L. C. Ceng, D. R. Sahu and J. C. Yao, Implicit Iterative Algorithms for Asymptotically Nonexpansive Mappings Nonexpansive Mappings in the Intermediate Sense and Lipschitz-Continuous Monotone Mappings, *Journal of Computational and Applied Mathematics*, vol. 233, pp. 2902–2915, 2010.
61. L. C. Ceng and J. C. Yao, A Relaxed Extragradient-like Method for a Generalized Mixed Equilibrium Problem, a General System of Generalized Equilibria and a Fixed Point Problem, *Nonlinear Analysis Series A: Theory, Methods & Applications*, vol. 72, pp. 1922–1937, 2010.
62. L. C. Ceng, A. Petrusel and J. C. Yao, Iterative Approaches to Solving Equilibrium Problems and Fixed Point Problems of Infinitely Many Nonexpansive Mappings, *Journal of Optimization Theory and Applications*, vol. 143, pp. 37–58, 2009.
63. F. Cianciaruso, G. Marino, L. Muglia, and Y. Yao, “A Hybrid Projection Algorithm for Finding Solutions of Mixed Equilibrium Problem and Variational Inequality Problem,” *Fixed Point Theory and Applications*, vol. 2010, Article ID 383740, 19 pages, 2010.
64. O. Chadli, Z. H. Liu and J. C. Yao, Applications of equilibrium Problems to a Class of Noncoercive Variational nequalities, *Journal of Optimization Theory and Applications*, vol. 132, pp. 89–110, 2007.
65. O. Chadli, S. Schaible, and J.C. Yao, “Regularized equilibrium problems with application to noncoercive hemivariational inequalities,” *Journal of Optimization Theory and Applications*, vol. 121, no. 3, pp. 571–596, 2004.
66. O. Chadli, N. C. Wong, and J.C. Yao, “Equilibrium problems with applications to eigenvalue problems,” *Journal of Optimization Theory and Applications*, vol. 117, no. 2, pp. 245–266, 2003.
67. P. Cholamjiak and S. Suantai, “A New Hybrid Algorithm for Variational Inclusions, Generalized Equilibrium Problems, and a Finite Family of Quasi-Nonexpansive Mappings,” *Fixed Point Theory and Applications*, vol. 2009, Article ID 350979, 20 pages, 2009.

68. C. Jaiboon and P. Kumam, "A general iterative method for addressing mixed equilibrium problems and optimization problems," *Nonlinear Analysis Series A: Theory, Methods & Applications*, vol. 73, pp. 1180–1202, 2010.
69. C. Jaiboon and P. Kumam, "Strong Convergence for Generalized Equilibrium Problems, Fixed Point Problems and Relaxed Cocoercive Variational Inequalities," *Journal of Inequalities and Applications*, vol. 2010, Article ID 728028, 43 pages, 2010.
70. C. Jaiboon, W. Chantarangsi and P. Kumam, "A convergence theorem based on a hybrid relaxed extragradient method for generalized equilibrium problems and fixed point problems of a finite family of nonexpansive mappings," *Nonlinear Analysis: Hybrid Systems*, vol. 4, pp. 199–215, 2010.
71. P. Katchang and P. Kumam, "A general iterative method of fixed points for mixed equilibrium problems and variational inclusion problems," *Journal of Inequalities and Applications*, vol. 2010, Article ID 370197, 25 pages, 2010.
72. P. Kumam and C. Jaiboon, "A new hybrid iterative method for mixed equilibrium problems and variational inequality problem for relaxed cocoercive mappings with application to optimization problems," *Nonlinear Analysis: Hybrid Systems*, vol.3, pp. 510-530, 2009.
73. I. V. Konnov, S. Schaible, and J.C. Yao, "Combined relaxation method for mixed equilibrium problems," *Journal of Optimization Theory and Applications*, vol. 126, no. 2, pp. 309–322, 2005.
74. B. Lemaire, Which fixed point does the iteration method select?, *Recent Advances in Optimization (Trier, 1996)*, vol. 452 of Lecture Notes in Economics and Mathematical Systems, pp. 154–167, 1997.
75. A. Moudafi and M. Théra, "Proximal and Dynamical Approaches to Equilibrium Problem," in: *Lecture Notes in Economics and Mathematical Systems*, vol. 477, Springer, pp. 187–201, 1999.
76. Z. Opial, "Weak convergence of the sequence of successive approximations for

- nonexpansive mappings,” *Bulletin of the American Mathematical Society*, vol. 73, pp. 595–597, 1967.
77. J. W. Peng and J.C. Yao, A new hybrid-extragradient method for generalized mixed equilibrium problems and fixed point problems and variational inequality problems, *Taiwanese Journal of Mathematics*, vol. 12, pp. 1401–1433, 2008.
78. J. W. Peng and J.C. Yao, Some new iterative algorithms for generalized mixed equilibrium problems with strict pseudo-contractions and monotone mappings, *Taiwanese Journal of Mathematics*, vol. 13, pp. 1537–1582, 2009.
79. J.W. Peng, Y. Wang, D. S. Shyu, and J.-C. Yao, “Common solutions of an iterative scheme for variational inclusions, equilibrium problems, and fixed point problems,” *Journal of Inequalities and Applications*, vol. 2008, Article ID 720371, 15 pages, 2008.
80. J.-W. Peng, Y.C. Liou, and J.C. Yao, “An iterative algorithm combining viscosity method with parallel method for a generalized equilibrium problem and strict pseudocontractions,” *Fixed Point Theory and Applications*, vol. 2009, Article ID 794178, 21 pages, 2009.
81. W. Takahashi, *Nonlinear functional analysis*, Yokohama Publishers. Yokohama, 2000.
82. S. Takahashi and W. Takahashi, “Strong convergence theorems for a generalized equilibrium problem and a nonexpansive mappings in a Hilbert space,” *Nonlinear Analysis Series A: Theory, Methods & Applications*, vol. 69, pp. 1025–1033, 2008.
83. W. Takahashi, Y. Takeuchi and R. Kubota, “Strong convergence theorems by hybrid methods for families of nonexpansive mappings in Hilbert spaces,” *Journal of Mathematical Analysis and Applications*, vol. 341, pp. 276–286, 2008.
84. Y. Yao, Y.C. Liou, and J.C. Yao, “A New Hybrid Iterative Algorithm for Fixed-Point Problems, Variational Inequality Problems, and Mixed Equilibrium Problems,” *Fixed Point Theory and Applications*, vol. 2008, Article ID 417089, 15 pages, 2008.

85. Y. Yao, Y.C. Liou, and Y.J. Wu, "An Extragradient Method for Mixed Equilibrium Problems and Fixed Point Problems," *Fixed Point Theory and Applications*, vol. 2009, Article ID 632819, 15 pages, 2009.
86. L. C. Zeng, Q. H. Ansari, David S. Shyu and J. C. Yao, Strong and Weak Convergence Theorems for Common Solutions of Generalized Equilibrium Problems and Zeros of Maximal Monotone Operators, *Fixed Point Theory and Applications*, vol. 2010, Article ID 590278, 33 pages, 2010.
87. L.C. Zeng, S.Y. Wu, and J.C. Yao, "Generalized KKM theorem with applications to generalized minimax inequalities and generalized equilibrium problems," *Taiwanese Journal of Mathematics*, vol. 10, no. 6, pp. 1497–1514, 2006.
88. S.S. Zhang, J. H. W. Lee, and C. K. Chan, "Algorithms of common solutions to quasi variational inclusion and fixed point problems," *Applied Mathematics and Mechanics*, vol. 29, no. 5, pp. 571–581, 2008.
89. Zhang, S.-S., Lee, J.H.W. and Chan, C.K., 2008, "Algorithms of common solutions to quasi variational inclusion and fixed point problems", **Applied Mathematics and Mechanics**, Vol. 29, pp. 571-581.
90. Saeidi, S., 2009, "Strong convergence of Browder's type iterations for left amenable semigroups of Lipschitzian mappings in Banach spaces", **Journal of Fixed Point Theory and Applications**, Vol. 5, pp. 93–103.
91. Saeidi, S., 2008, "Approximating common fixed points of Lipschitzian semigroup in smooth Banach spaces", **Fixed Point Theory and Applications**, Vol. 2008, 17 pages.
92. Suzuki, T., 2005, "Strong convergence of Krasnoselskii and Mann's type sequences for one-parameter nonexpansive semigroups without Bochner integrals", **Journal of Mathematical Analysis and Applications**, Vol. 305, pp. 227–239.
93. Wattanawitton, K. and Kumam, P., 2010, "Convergence theorems of modified Ishikawa iterative scheme for two nonexpansive semigroups", **Fixed Point Theory and Applications**, Vol. 2010, 12 pages.

94. Wangkeeree, R., 2008, "An extragradient approximation method for equilibrium problems and fixed point problems of a countable family of nonexpansive mappings", **Fixed Point Theory and Applications**, Vol. 2008, 17 pages.