CONTENTS

- A study of dynamical system involving monotone and nonmonotone constraints: The Regularized -Penalized problem, K. Addi and M. Cadivel (1-33)
- Completely generalized quasivariational inequalities, Z. Liu, J. S. Ume and S. M. Kang
Generalized vector quasi-equilibrium problems, \textbf{A. Khaliq and A. Raouf} (47-57)

A convergence analysis and applications for two-step Newton methods in Banach spaces, Ioannis K. Argyros (59-78)

R-KKM mapping theorems and solvability of generalized vector variational inequalities, Ram U. Verma (79-86)

Approximation-solvability of a two-step system of relaxed g-γ-r-cocoercive nonlinear variational inequalities based on projecton methods, \textbf{Ram U. Verma} (87-94)

Approximation solvability of a general system of nonlinear variational inequalities involving relaxed pseudococoercive mappings, \textbf{Ram U. Verma} (95-106)

Convergence analysis for three-step projection methods and their applications to relaxed g-pseudococoercive variational inequalities, \textbf{Ram U. Verma} (107-119)

Local-semilocal convergence theorems for Newton’s method in Banach spaces and applications, \textbf{Ioannis K. Argyros} (129-132)

A convergence analysis for a certain class of quasi-Newton generalized Steffensen iterative methods, \textbf{Ioannis K. Argyros} (133-42)
methods, RAM  U. VERMA 147
· Generalized class of partially relaxed monotonicities and its connections, RAM  U. VERMA 155
Generalized two-step projection methods and applications to variational problems, RAM  U. VERMA 165
· Generalized nonlinear implicit quasivariational inclusions with relaxed monotone mappings, M. -M. JIN 173
· Erratum 183

Volume 8 Number 1 January 2005

CONTENTS
· On the existence of solutions of quasivariational inclusion problems of Stampacchia type, N. B. MINH AND N. X. TAN 01
· On generalized nonlinear quasicomplementarity problems, Z. LIU, J. S. UME AND S. M. KANG 17
· Collectively fixed point theorems and their applications in MC-spaces, T. WANG AND L. DENG 33
· On generalized multivalued nonlinear variational-like inclusions with fuzzy mappings, R. P. AGARWAL, M. F. KHAN, DONAL O'REGAN AND SALAHUDDIN 41
· On alternative directions to some theorems of S. Smale and W. C. Rheinboldt concerning Newton’s method, IOANNIS K. ARGYROS 57
· Approximation-solvability of a system of generalized nonlinear mixed variational inequalities, T. Cai, Z. Liu, S. H. Shim and S. M. Kang 63
· On the semilocal convergence of Newton’s method under weak Lipschitz continuous derivative, Ioannis K. ArgyROS 71
· On some theorems concerning the convergence of Newton methods, Ioannis K. Argyros 83
Sensitivity analysis for parametric general nonlinear quasivariational inclusions, Y. Zhao, Z. Xia, Z. Liu and S. M. Kang 95
· On a weak semilocal convergence theorem for Newton’s method in Banach space, Ioannis K. Argyros 103
· An improved approach of obtaining good starting points for solving equations by Newton’s method, Ioannis K. Argyros 111
· On the semilocal convergence of the secant method under relaxed conditions, Ioannis K. Argyros 119
· On the applicability of Newton’s method for solving equations in a Banach space under center-Lipschitz-type conditions, Ioannis K. Argyros 133
· Concerning the convergence of a certain class of Newton-like methods in a Banach space, Ioannis K. Argyros 143
Volume 8                   Number 2               July  2005

❖ Generalized setvalued nonlinear mixed quasivariational-like inclusions with fuzzy mappings, R. U. Verma, M. Firdosh Khan and Salahuddin (11-37)
❖ On the weak Newton method for solving equations in a Banach space, I. K. Argyros (49-52)
❖ A semilocal convergence analysis of Newton’s method involving operators with values in a cone, I. K. Argyros (53-59)
❖ Ball-convergence theorems for Newton’s method involving outer or generalized inverses, I. K. Argyros (61-68)
❖ Lower and upper bounds for the distance of a manifold to a nearby point, I. K. Argyros (69-73)
❖ Enlarging the radius of convergence for iterative methods by using a one parameter operator imbedding, I. K. Argyros (75-80)
❖ On the Newton-Kantorovich method in Riemannian manifolds, I. K. Argyros (81-85)
❖ On the computation of shadowing orbits for dynamical systems, I. K. Argyros (87-91)
❖ On the semilocal convergence of the Gauss-Newton method, I. K. Argyros (93-99)
❖ On the computation of continuation curves for solving nonlinear equations, I. K. Argyros (101-108)
❖ Enlarging the convergence domain of Newton’s method under regular smoothness conditions, I. K. Argyros (121-129)
❖ General class of relaxed pseudococoercive nonlinear variational inequalities and relaxed projection methods, R. U. Verma (131-140)
❖ Finite steps iterative sequences with errors for asymptotically quasi-nonexpansive mappings, J. Quan, S. S. Chang and X. J. Long (141-150)

Volume 9                   Number 1        January  2006

Strong convergence theorem by a hybrid method for nonlinear mappings of nonexpansive and monotone type and applications,
❖ H. IIDUKA, and WATARU TAKAHASHI 01
A class of nonlinear \((A, \eta)\)-monotone operator inclusion problems with relaxed cocoercive mappings,

- HENG-YOU LAN

Local uniqueness of solutions for equilibrium problems,

- P. Q. KHANH, D. T. LUC, and N. D. TUAN

Generalized mixed multivalued variational inclusions involving \(H\)-accretive operators,

- M. FIRDOSH KHAN, and SALAHUDDIN

Generalized multivalued quasi-variational inclusions involving \(H\)-accretive operators in Banach space,

- X. J. LONG, S. S. CHANG, J. W. PENG, and J. QUAN

Proximal methods for a class of relaxed nonlinear variational inclusions,

- A. MOUADIFI

Generalized implicit vector variational-like inequalities,

- M. FIRDOSH KHAN

Partially relaxed pseudococoercive variational problems and convergence of auxiliary problem principle in infinite-dimensional Hilbert spaces,

- RAM U. VERMA

Approximate method for a class of generalized set-valued \(\varphi\)-strongly accretive variational inclusions in Banach spaces,

- YONG ZHANG

Systems of multivalued quasiequilibrium problems,

- N. X. HAI, and P. Q. KHANH
A unifying local and semilocal convergence analysis of Newton-like methods,
  ❖ IOANNIS K. ARGYROS, and JOSÉ M. GUTIÉRREZ  
  01

Approximation-solvability of a new system of generalized nonlinear variational inequalities based on resolvent operator technique,
  ❖ T. CAI, Z. CHEN, Z. LIU, and S. M. KANG  
  13

On generalized multi-valued nonlinear quasi-complementarity problems,
  ❖ W. YAN  
  23

Iterative algorithms with perturbed control conditions for variational inequalities,
  ❖ JONG SOO JUNG  
  33

A note on nonlinear variational inequalities,
  ❖ ZORAN D. MITROVIĆ  
  45

Weakly compatible mappings and common fixed point theorems with applications to variational inequalities,
  ❖ H. K. PATHAK, and JEONG S. UME  
  55

On the solution of variational inequalities on finite dimensional spaces,
  ❖ IOANNIS K. ARGYROS  
  69

On the solution of complementarity problems,
  ❖ IOANNIS K. ARGYROS  
  79

Iterative algorithm for a new class of generalized nonlinear fuzzy set-variational inclusions involving \((H, \eta)\)-monotone mappings,
  ❖ H. G. LI  
  89

Local convergence of Newton’s method for generalized equations under Lipschitz conditions on the Fréchet derivative,
  ❖ IOANNIS K. ARGYROS  
  101
Quasi-variational inequalities, coincidence and collectively fixed points results for $U^K_C$ maps,

- DONAL O’REGAN and NASEER SHAHZAD

Generalized $(F, \beta, \varphi, \rho, \theta)$-univex functions and parametric duality models in semiinfinite discrete minmax fractional programming,

- G. J. ZALMAI and QINGHONG ZHANG

Implicit iteration process with errors for a finite family of asymptotically quasi-nonexpansive type mappings in Banach spaces,

- X. J. LONG, S. S. CHANG, J. W. PENG, and JING QUAN

Multivariate Euler type identity and optimal multivariate Ostrowski type inequalities,

- GEORGE ANASTASSIOU

Steffensen-type methods on Banach spaces for solving generalized equations,

- SAID HILOUT

An uniparametric Newton-Steffensen-type method for perturbed generalized equations,

- SAID HILOUT

Sensitivity analysis for general parametric implicit quasi-variational inclusions with $(A, \eta)$-accretive mappings in Banach spaces,

- MAO - MING JIN, and JIAN.- PING LI

Existence of solutions for vector variational-like inequality problems in Banach spaces,

- ZHENG ZHANG, and BO-CHUAN ZHENG

Some existence results of solutions for generalized vector variational inequalities in Banach spaces,

- X. J. LONG, Z. H. XIANG, and X. C. MIN

CONTENTS

Sensitivity analysis for parametric completely generalized nonlinear resolvent equations,

- Z. LIU, B. ZHU, S.M. KANG and S.H. SHIM

Iterative algorithms for nonlinear fuzzy variational inclusion systems with $(A,\eta)$-accretive
mappings in Banach spaces,
◆ HENG-YOU LAN and RAM U. VERMA 15
A new system of generalized nonlinear fuzzy variational inclusions involving \((H,\eta)\)-monotone mappings,
◆ G.Q. WU 31
Perturbed Ishikawa iterative algorithm and stability for nonlinear mixed quas-variational inclusions involving \((A,\eta)\)-accretive mappings,
◆ HONG-GANG LI 41
A class of random F-complementarity problems in Hilbert spaces,
◆ Z.Y. PENG and X.J. LONG 51
Optimal output feedback boundary control for systems governed by semilinear parabolic inclusions: Uncertain systems,
N. U. AHMED 61
Convergence and stability of iterative algorithm for countable families of variational inequalities and nonexpansive mappings,
◆ J. C. HUANG 81
The equivalence between Krasnoselskij, Mann, Ishikawa, implicit Mann and multistep iterations when applied to contractive like operators,
◆ STEFAN M. SOLTUZ 91

Volume 11 Number 2 July 2008

CONTENTS
Hartman-Stampachia variational inequalities on non-compact sets with applications to the complementarity problems,
> W. GUO, S.S. CHANG, and S.C. HUANG 01
Random variational like inequalities,
> SALAHUDDIN and M.K. AHMAD 15
Generalized multivalued vector quasi-equilibrium problems,
> M. K. AHMAD, SALAHUDDIN, and M. BOULBRACHENE 25
Iterative algorithms for solving a new system of generalized \((A, \eta)\)-accretive mapping inclusions in Banach spaces,
> M.M. JIN and J. P. LI 35
Perturbed approximation algorithm for random nonlinear multivalued mixed variational inclusions involving random nonlinear \((A_w, \eta_w)\)-monotone mappings,
> H. G. LI 51
Perturbed iterative algorithms with mixed error for a class of generalized strongly nonlinear operator equations in Banach spaces,
H.L. ZHENG, H.Y. LAN and Q.K. LIU
L-stabilization and H control for linear nonautonomous time-delay systems in Hilbert spaces via Riccati equations,

V.N. PHAT, D. Q. VINH and N.S. BAY
On generalized nonlinear variational inclusions with A-monotone mappings,

Z. LIU, S. WU, C.Y JUNG, and S.M. KANG
A generalization to variational convergence for operators,

R.U. VERMA

**Volume 12**  **Number 1**  **January**  **2009**

**CONTENTS**

Optimal stopping time for stochastic processes in continuous time: An application to the employer’s profile formation option,
> GEORGIOS DIMAKOS, and ATHINA KARANTZI 01

Variational inequalities and their solutions via fixed points,
> RENY GEORGE, M. S. KHAN, and K. P. RESHMA 17

Existence and equivalence of solutions of generalized vector variational-like inequalities,
> MIN ZHOU 29

Stability of perturbed algorithm for nonlinear random multi-valued mixed variational inclusions involving nonlinear random \((A_{\omega},\eta_{\omega})\)-monotone mappings,
> H. G. LI 37

A new iterative method for solving a system of general variational inequalities,
> MIN LIU, and S. S. CHANG 51

Generalized nonlinear quasivariational inequalities for fuzzy mappings,
> Z. LIU, J. S. UME, and S. M. KANG 61

General nonlinear variational inclusion systems involving A-maximal \((m)\)-relaxed monotone, RMM, RMRM, PSM and cocoercive mappings,
> RAM U. VERMA 73

**Volume 12**  **Number 2**  **July**  **2009**

**CONTENTS**

...
> A new system of random nonlinear variational inclusions and random approximation algorithm, Z. Q. HE (1-16)
> On the convergence of Sterling’s method in Banach spaces under Gamma-type condition, I. K. ARGYROS (17-23)
> Some characterization and applications of prequasi-invex functions, S. NIU, X. H. YE and H. CHEN (49-56)
> On generalized quasi-variational-like inequalities, X. P. DING, M. F. KHAN and SALAHUDDIN (57-71)
> Iterative approximation of common fixed points for families of nonexpansive mappings and solutions of variational inequalities, B. ALI (73-89)
> New proximal point algorithms based on RMM models for nonlinear variational inclusion problems, R. U. VERMA (91-102)
CONTENTS

> Weak convergence theorem for a system of variational inclusion problems, W.B. ZHANG 01
> An iterative method for T-ƞ-invex function in Hilbert space and coincidence lifting index theorem for lifting function and covering maps, P.K. DAS 11
> Generalized nonlinear random equations with random fuzzy and relaxed cocoercive mappings in Banach spaces, M. ALIMOHAMMANDY, J. BALOOEE, Y.J. CHO and M. ROOHI 37
> Stability and stabilization of nonlinear time-varying delay systems with non-autonomous Kernels, N.S. BAY 59
> The boundary value problems for second order integro-differential equations of mixed type with delay, Z. HE and J. SHEN 71

> Auxiliary principle for completely generalized set-valued strongly nonlinear implicit variational inequalities, Z. LIU, J.S. UME and S.M. KANG 79
> Approximate solvability of a system of nonlinear relaxed cocoercive variational inequalities and Lipschitz continuous mappings in Hilbert spaces, Y.J. CHO and N. PETROT 91
> Generalized over-relaxed A-proximal point algorithms for variational inclusions, R.U. Verma 103

CONTENTS

> On the existence of solutions to generalized quasi-equilibrium problems, B.T. HUNG and N.X. TAN 01
> On the polyconvolution with a weight function for Fourier cosine, Fourier and Fourier sine transforms, N.M. KHOA and T. TUAN 17
> Some common fixed point theorems for non-self mappings in metrically convex spaces, S.B. PARK and J.S. UME 31
> Optimal Newton-type methods for solving nonlinear equations, I.K. ARGYROS S. HILOUT 47
> The optimality conditions for multiple objective fractional subset programming based on generalized $(\rho, \eta)$-invex functions, R.U. VERMA 61
> An application of coincidence lifting index theorem in (GHVIP) and the variable step iterative method for nonsmooth invex function, P.K. DAS and A. BEHERA 73
> A remark on the over-relaxed proximal point algorithms relating to variational Inclusions, R.U. VERMA 95
VOLUME 14    NUMBER 2    JULY 2011

CONTENTS

> Generalized vector variational-like inequalities and nonsmooth vector optimization of radially continuous functions,
S.K. MISHRA, V. LAHA and R.U. VERMA (1-18)
> Generalized nonlinear variational inclusions involving H-monotone operators,
Q. WU, Z. LIU, S. LEE and S.M. KANG (19-33)
> Nonsmooth vector optimization and vector variational-like inequalities to infinite dimensional spaces,
T. NATH and S.R. SINGH (35-46)
> Stability and convergence results for projection algorithm in variational inequalities,
M.O. OLATINWO (47-53)
> Common fixed point theorems for occasionally weakly compatible mappings in Menger probabilistic quasi-metric spaces,
B.D. PANT and S. CHAUHAN (55-63)
> Newton-type methods,
I.K. ARGYROS and S. HILOUT (65-79)
> Convergence theorems for asymptotically quasi-nonexpansive type mappings in Banach spaces,
CHANG HE (81-88)
> Consensus in a class of nonlinear multi-agent systems with time-varying topologies,
Y. SHANG (89-96)
> Remarks on a class of hierarchical variational inclusion problems,
J. ZHU, S.S. CHANG and J. LIU (97-106)

VOLUME 15    NUMBER 1    JANUARY 2012

CONTENTS

> Convergence to approximate solutions of variational inequalities,
ALEXANDER J. ZASLAVSKI (1—12)
> Delay dependent robust stability criteria for linear systems with interval time-varying delays and nonlinear perturbations,
T. BOTMART and P. NIAMSUP (13—30)
> The over-relaxed A-proximal point algorithm for general nonlinear mixed set-valued inclusion framework,
H. LI, Z. LIAO and L. LI (31-41)
> Generalized random set-valued nonlinear mixed quasi-variational inclusions system involving random nonlinear (A, η)-accretive mappings,
H. LI and A.J. XU (43-62)
> Sensitivity analysis for parametric variational inclusions involving generalized H-η-
accretive operators in Banach spaces,
WU ZHOU and X.P. LUO (63—71)

> Generalized \((\rho, \eta, \theta)\)-invex functions and optimality conditions for multiple objective fractional subset programming,
S.K. MISHRA and R.U. VERMA (73—87)

> Strong convergence theorem for maximal monotone operators in Banach space,
YEKINI SHEHU (89—97)

> Over-relaxed \((A, \eta)\)-proximal point algorithm framework for approximating the solutions of operator inclusions,
FANG LI and H.Y. LAN (99–109)

VOLUME 15 NUMBER 2 JULY 2012

CONTENTS

> On the existence of solutions to Pareto and weak quasivariational inclusion problems,
B.T. HUNG and N.X. TAN (1 – 16)

> A new class of variational inclusions involving generalized \(H(\ldots)\)-\(\eta\)-accretive operators in Banach spaces,
M. YUAN and XI LI (17 – 27)

> Convergence theorems for infinite families of equilibrium, variational inequality and fixed point problems,
Y. SHEHU (29 - 53)

> Vector variational-like inequalities and nonsmooth vector optimization problems with support functions,
S.K. MISHRA and VINAY SINGH (55 - 61)

> Generalized second-order \((F, \beta, \phi, \rho, \theta)\)-univex functions and parametric duality models in semiinfinite discrete minmax fractional programming,
G.J. ZALMAI (63 – 91)

> An iterative method for solving strongly nonlinear general nonconvex variational inequalities,
E. AL-SHEMAS (93 – 100)

VOLUME 16 NUMBER 1 JANUARY 2013

CONTENTS

> Generalized nonlinear \(F\)-variational inequality problems and equivalence theorem,
P. K. DAS and B. KODAMASINGH (1 - 22)

> On set-valued relaxed accretive mappings and nonlinear variational inclusions with \(H\_h\)strongly monotone mappings,
Z. LIU, D. M. LEE and S. M. KANG (23 – 51)
> Existence theorem for fuzzy mixed vector F-variational inequalities,
SALAHUDDIN, M. K. AHMAD and R. U. VERMA (53 - 59)
> Viscosity – type algorithms for the split common fixed – point problem,
A. MOUDAFI (61 – 68)
> Optimality and duality for nonsmooth multiobjective fractional semi-infinite
programming problem,
S. K. MISHRA, M. JAISWAL and R. U. VERMA (69 – 83)
> A remark on significant convergence rates for the generalized over-relaxed proximal
point algorithms,
R. U. VERMA (85 – 90)
> Hanson-Antczak-type generalized \((\alpha, \beta, \gamma, \xi, \eta, \rho, \theta)\)-V-invex functions in semiinfinite
multiobjective fractional programming, Part I: Sufficient efficiency conditions,
G. J. ZALMAI (91 – 114)
> Existence solutions to mixed vector variational-type inequalities,
SALAHUDDIN, M. K. AHMAD and R. U. VERMA (115 – 123)
> New approach to relaxed proximal point algorithms based on A-maximal monotonicity
frameworks and applications,
I. K. ARGYROS and R. U. VERMA (125 – 137)

VOLUME 16 NUMBER 2 JULY 2013
CONTENTS
On the Existence of Solutions to Mixed Pareto Quasivariational Inclusion Problems,
> N.T.Q. Anh and N.X. Tan (1 - 22)
Some results on Weakly Bilinear Maps and its Application to Solve x*-Generalized
Nonlinear Complementarity Problem in \(S^n\),
> P.K. Das (23 - 42)
On Generalized Minty and Stampacchia Vector Variational-Like Inequalities and V-Invex
Vector Optimization in Asplund Spaces,
> S.K. Mishra and Vivek Laha (43 - 60)
Hanson-Antczak-Type Generalized \((\alpha, \beta, \gamma, \xi, \eta, \rho, \theta)\)-V-Invex Functions in Semiinfinite
Multiobjective Fractional Programming Part II: First-Order Parametric Duality Models,
> G.J. Zalmai (61 - 90)
Hanson-Antczak-Type Generalized \((\alpha, \beta, \gamma, \xi, \eta, \rho, \theta)\)-V-Invex Functions in Semiinfinite
Multiobjective Fractional Programming, Part III: Second-Order Parametric Duality Models,
> G.J. Zalmai (91 - 126)

VOLUME 17 NUMBER 1 JANUARY 2014
CONTENTS
Modified Projection Method for Set-valued Strongly Pseudomonotone Variational
Inequality Problems,
> J. SUWANNAWIT (1 - 14)
A New Class of Set-valued Implicit Variational Inclusions System Involving
Generalized Accretive Operators in Banach Spaces,
> W.Y. YAN, D.Y. REN and J. LU (15 - 26)
Second Order \(\langle \Phi, \rho, \eta, \theta \rangle\)-$Invexities and Parameter-Free \(\langle \text{Large} \epsilon \rangle\)-Efficiency Conditions for Multiobjective Fractional Programming Problems,
> R.U. VERMA (27 - 46)
Hybrid Type Multivalued Vector Equilibrium Problems,
> SALAHUDDIN, M.K. AHMAD and R.U. VERMA (47 - 60)
Convergence of Gauss--Newton Method for Convex Composite Optimization II: Applications,
> I.K. ARGYROS, Y.J. CHO and S. HILOUT (61 - 72)
On the Newton-Kantorovich Method for Analytic Operators,
> I.K. ARGYROS and A.A.M. RUIZ (73 - 82)
Vector Bregman Divergence with Respect to an Operator and Multivalued Generalized Nonsmooth Differential Dominated Vector Variational Inequality Problem via Epigraph Theory,
> P.K. DAS (83 - 94)
Interrelation Between Generalized Numerical Range and Generalized Differential Dominated Variational Inequality Problems of Order $\lambda$,
> P.K. DAS, S.K. MOHANTA and R.U. VERMA (95 - 102)

VOLUME 17 NUMBER 2 JULY 2014

CONTENTS
On an Ulm's-like Method Under Weak Convergence Conditions in Banach Space
> I.K. ARGYROS AND S.K. KHATTRI (1 - 12)
Tikhonov Regularization Methods for Inverse Mixed Variational Inequalities
> X.P. LUO AND H. YANG (13 - 25)
An Analysis of Lavrentiev Regularization Methods and Newton-type Iterative Methods for Nonlinear Ill-posed Hammerstein-type Equations
> IOANNIS K. ARGYROS AND SANTOSH GEORGE (26 - 42)
Higher Order Efficiency Conditions for Multiobjective Fractional Programming Based on Generalized $(\phi,\rho,\eta,\rho,\theta,\lambda)$-invexity Frameworks
> RAM U. VERMA (43 - 70)
On Proximal Split Feasibility Problems and Fixed Point Problems for Quasinonexpansive Multi-valued Mappings
> Y. SHEHU, O.S. IYIOLA AND C.D. ENYI (71 - 87)
Generalized Hybrid Invexities with Second-Order Parametric Optimality Criteria for Discrete Minmax Fractional Programming
> R.N. MOHAPATRA AND R.U. VERMA (88 - 102)

VOLUME 18 NUMBER 1 JANUARY 2015

CONTENTS
Hybrid $(\phi,\eta,\rho,\theta,\mu)$-invexity and Higher-Order Parametric Optimality Conditions in Discrete Minmax Fractional Programming
> R. U. VERMA (1 - 14)
Fixed Points on Non-Archimedean Fuzzy Metric Spaces
> S. MANRO AND P. SALIMI (15 - 22)
An Improved Semi-local Convergence Analysis for a Three Point Method of Order 1.839 in Banach Space
> I. K. ARGYROS, P. JIDESH and S. GEORGE (23 - 32)
An Open Problem for Some Inequalities of Complex Number Concerned with an Integral Operator
> D. BREAZ and S. OWA (33 - 36)
Ball Convergence for a Newton-Steffensen-Type Third-Order Method
> I. K. ARGYROS and S. GEORGE (37 - 45)
General Vector Equilibrium Problems
> M. RAHAMAN and R. AHMAD (46 - 57)
A Note on the Proximal Point Algorithm for Pseudomonotone Variational Inequalities on Hadamard Manifolds
> G. J. TANG and Y. B. XIAO (58 - 69)
A New System of Generalized Mixed Variational Inequalities in Banach Spaces and its Projection Methods
> Z. B. WANG and R. U. VERMA (70 - 80)
Projection Algorithms for Solving a System of Generalized Mixed Implicit Quasi-variational Inequality Problems
> Z. B. WANG, X. P. DING and H. L. ZHANG (81 - 94)
On Extended General Variational Inequalities
> B. AYACHE and S. KHALED (95 – 97)

VOLUME 18 NUMBER 2 JULY 2015

CONTENTS
Generalization of Minty's Lemma for multilinear maps,
> Girish Chandra Nayak and Prasanta Kumar Das (1 - 8)
A Complementarity-type problem,
> Snigdha Bharati Choudhury and A. Behera (9 - 19 )
A new monotone iteration principle in the theory of PBVPs of nonlinear first order integro-differential equations,
> Bapurao C. Dhage and Shyam B. Dhage (20 - 39 )
Generalized quasi split variational inequality problems involving relaxed cocoercive mappings,
> Ioannis K. Argyros and Salahuddin (40 - 47 )
Local convergence of a uniparametric Halley- type method in Banach space free of second derivative,
> Ioannis K. Argyros and Santhosh George (48 - 57 )
Finite-time stability analysis for nonlinear systems with time-varying delays and disturbances via linear matrix inequalities,
> P. Niamsup and V.N. Phat (58 - 68 )
Generalized equilibrium problem on Hadamard Manifold,
> Mijanur Rahaman, Haider Abbas Rizvi and Rais Ahmad (69 - 76 )
On the separation for a biharmonic general elliptic differential operator in a weighted Hilbert space with its applications to an existence and uniqueness theorem,
> E. M. E. Zayed (77 - 90)

VOLUME 19 NUMBER 1 JANUARY 2016

CONTENTS
Relationships between multiobjective variational problems and vector variational-type inequalities with approximately star-shaped functionals,
> Anurag Jayswal and Shipra Singh (1 - 14)
Fractional programming on sufficient optimality conditions and second order generalized \$B-(b,c,\rho,\eta,\tilde{p},\tilde{r},\tilde{s})\$-invexities,
> Ram U Verma (15 - 35)
Approximation of common fixed points of total asymptotically nonexpansive mapping in CAT(0) spaces,
> Godwin Chidi Ugwunnadi and Bashir Ali (36 - 47)
Semilocal convergence of secant-type methods with applications to modified g-fractional calculus,
> George A. Anastassiou and Ioannis K. Argyros (48 - 64)
Ball convergence for a fourth order method using hypotheses only on the first derivative,
> Ioannis K. Argyros and Salahuddin (65 - 74)
Extended Generalized Vector Equilibrium Problems,
> Rais Ahmad and Mohd. Akram (75 - 87)
Parametric ordered generalized variational inclusions involving NODSM mappings,
> Iqbal Ahmad, Rais Ahmad and Javid Iqbal (88 - 97)

VOLUME 19  NUMBER 2  JULY 2016

CONTENTS
Multilinear complementarity problems in a moving cone with contractibility approach,
> G.C. Nayak and P.K. Das (1 - 13)
On generalized equilibrium problem,
> S.S. Irfan, M.F. Khan and R.U. Verma (14 - 26)
System of nonlinear regularized nonconvex variational inequalities in Banach spaces,
> Salahuddin and R.U. Verma (27 - 40)
On generalized fuzzy variational inclusion problems involving ordered RME set-valued mappings,
> S.S. Irfan, M.F. Khan and R.U. Verma (41 - 51)
Quasi-equilibrium problems and fixed point theorems of l.s.c. Mappings,
> N.X. Tan and N.Q. Hoa (52 - 63)
Role of higher order invexity and parametric optimality conditions in discrete minmax fractional programming,
> R.U. Verma (64 - 81)
Higher order Newton's methods,
> R.U. Verma (82 - 93)
Numerical study of convection-reaction-diffusion equation by the Legendre wavelet finite difference method,
> N. Ablaoui-Lahmar and O. Belhamiti (94 - 112)

VOLUME 20  NUMBER 1  JANUARY 2017

CONTENTS
Inexact viscosity approximation methods for equilibrium problems and fixed point problems,
> Alexander J. Zaslavski (1 - 10)
On strict vector variational inequalities,
Approximating solutions of variational inequalities and fixed points
of nonexpansive semigroups,
  > Oganeditse A. Boikanyo and Habtu Zegeye (26 - 40)
Existence of general vector variational like inequalities and applications,
  > Salahuddin and R. U. Verma (41 - 52)
Accelerated roles for parametric optimality conditions in semiinfinite discrete
minmax fractional programming,
  > Ram U. Verma and G. J. Zalmai (53 - 78)
Variational inequality problems in $H$-space associated with $S\eta$-invex
function,
  > Girish C. Nayak and Prasanta K. Das (79 - 93)
Approximation solution for a new class of generalized nonlinear set-valued
ordered inclusions involving binary $RMESV$ mappings in ordered
Hilbert spaces,
  > Honggang Li, Yongqin Yang and Mao Ming Jin (94 - 106)
The chain rule - A super imagination,
  > Ram U. Verma (107 - 110)

**VOLUME 20        NUMBER 2        JULY 2017**

**CONTENTS**

On relationships between vector variational inequality and nonsmooth vector optimization
problems via strict minimizers,
  > B. B. Upadhyay, R. N. Mohapatra and S. K. Mishra (1 - 12)
Estimation bounds for nonlinear integral of the square of concave functions,
  > S. Abbaszadeh, M. Eshaghi, E. Pap and A. Ebadian (13 - 28)
Nonlinear set-valued variational-like inclusions via relaxed cocoercive operators with perturbed
iterative algorithm,
  > Mahnaz Bagheri and Mehdi Roohi (29 - 41)
Strong convergence of generalized projection algorithm for variational inequality problems
with applications,
  > Charles, E. Chidume, C. G. Ezea and E. E. Otubo (42 - 57)
Parametric duality results for semi-infinite multiobjective fractional programming under
$\left( \Phi, \rho \right)$-$S\eta$-invexity and generalized $\left( \Phi, \rho \right)$-$S\eta$-S-invexity,
  > Tadeusz Antczak and Ram U. Verma (58 - 92)
$S\eta$-pseudoinvex and $S\eta$-quasiinvex Functions,
  > Girish C. Nayak and Prasanta K. Das (93 - 105)
CONTENTS

Common solution of generalized mixed equilibrium problem and Bregman strongly nonexpansive mapping in reflexive Banach spaces,
C. C. Okeke, M. E. Okpala and O. T. Mewomo (1 - 16)

Some fixed point theorems for a class of quasi-contractions in b-metric spaces,

On convergence rate of a splitting operator method for variational inclusions,
Salahuddin (30 – 39)

Variational type inequality and simultaneous farthest points in Banach space,
S. Nanda (40 - 45)

A hybrid algorithm for approximating solutions of a variational inequality problem and a convex feasibility problem,
Charles E. Chidume, L. O. Chinwendu and A. Adamu (46 – 64)

Implicit midpoint rule for solving quasi inclusion problems in Banach spaces,
L. C. Zhao, S. S. Chang and X. R. Wang (65 – 82)

A common solution of finite family of a new class of split monotone variational inclusion problems,
Chinedu Izuchukwu (83 - 104)

CONTENTS

An improved semilocal convergence analysis for the Halley's Method,
I. K. Argyros, S. K. Khattri and S. George (1 - 17)

Next generation computational methods,
R. U. Verma (18 - 48)
Improved secant-updates of rank 1 in Hilbert space,  
I. K. Argyros and S. George  (49 - 54)

A random Stackelberg equilibrium via random variational inequalities,  
Q. H. She and S. Q. Shan  (55 - 68)

Next generation computational method with cubic convergence,  
R. U. Verma  (69 - 81)

Auxiliary principle and iterative algorithm for a system of generalized strongly nonlinear mixed variation-like inequalities in Banach spaces,  
T. Cai, L. Zhang and S. M. Kang  (82 - 93)

A common solution of family of minimization problem and fixed point problem for multivalued type-one demicontractive-type mappings,  
H. A. Abass, C. Izuchukwu and K. O. Aremu  (94 - 108)