Name: Aviv Gibali, Ph.D.

HIT – Holon Institute of Technology
Date: 22nd December 2024

CURRICULUM VITAE

1. Personal Details

Permanent Home Address: Nahariya

Electronic Address: avivgi@hit.ac.il

2. Higher Education

A. Undergraduate and Graduate Studies

Period of Study	Name of Institution and Department	Degree	Year of Approval of Degree
7/2008-6/2012	The Technion – Israel Institute of Technology	Ph.D. in Mathematics❶	2012
10/2005-6/2008	University of Haifa	M.Sc. in Mathematics❷	2008
10/2002-9/2005	University of Haifa	B.Sc. in Mathematics	2005

❶ Doctoral Dissertation: Algorithms for Solving Variational Inequalities and Applications
(Supervisors: Prof. Simeon Reich; Prof. Yair Censor

❷ Master's Thesis: Investigations of Iterative Algorithms for Solving the Variational Inequality Problem
(Supervisor: Prof. Yair Censor)

B. Post-Doctoral Studies

Period of Study	Name of Institution, Department and Host	Degree	Year of Completion
7/2012-9/2014	The Fraunhofer Institute for Industrial Mathematics (ITWM), Kaiserslautern, Germany Host: *Prof. Dr. Karl-Heinz Küfer*	Post-Doctoral Studies in Optimization	2014

3. Academic Ranks and Tenure in Institutes of Higher Education

Dates	Name of Institution and Department	Rank/Position
1/7/2024-present	HIT – Holon Institute of Technology, Faculty of Sciences, Department of Applied Mathematics, Holon, Israel	Associate Professor
10/2023-7/2024	HIT – Holon Institute of Technology, Faculty of Sciences, Department of Applied Mathematics, Holon, Israel	Equivalent to Associate Professor
10/2023-present	HIT – Holon Institute of Technology, Faculty of Sciences, Department of Applied Mathematics, Holon, Israel	Head of Department

3. Academic Ranks and Tenure in Institutes of Higher Education, contd.

Dates	Name of Institution and Department	Rank/Position
10/2020-9/2023	ORT Braude College of Engineering, Department of Mathematics, Karmiel, Israel	Head of Department
From 10/2018	ORT Braude College of Engineering, Department of Mathematics, Karmiel, Israel	Associate Professor
2017-present	The Fraunhofer Institute for Industrial Mathematics (ITWM), Department of Optimization, Kaiserslautern, Germany	Scientific Adviser
2014-10/2018	ORT Braude College of Engineering, Department of Mathematics, Karmiel, Israel	Senior Lecturer

4. Offices in Academic Administration at HIT – Holon Institute of Technology

*10/2023	Responsible for integrated programs, Department of Applied Mathematics, Faculty of Sciences
29/6/2017	Initiator and Chief Organizer, Industrial Day, HIT – Holon Institute of Technology, Holon, Israel

5. Scholarly Positions and Activities outside the Institution

a. Associate Editor:

*2021-present	Communications in Optimization Theory
*2021-present	Journal of Optimization Theory and Applications
*2021-present	Symmetry
*2020-present	Fixed Point Theory and Algorithms for Sciences and Engineering
*2020-present	Applied Numerical Mathematics
*2019-present	Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas
*2019-present	Journal of Applied and Numerical Optimization
2017-present	Numerical Algorithms
2015-present	Journal of Industrial and Management Optimization

b. Scientific Visits:

*12/2023	The University of Alicante, Spain
*2-8/7/2023	Erasmus+ Politecnico di Torino, Torino, Italy
*23-30/5/2023	Erasmus+ Greece International Hellenic University, Greece
*8-14/4/2022	Erasmus+ Greece International Hellenic University, Greece
*1/2020	The Fraunhofer Institute for Industrial Mathematics, Kaiserslautern, Germany
*7/2019	Loma Linda University, Loma Linda, CA, USA
12/2018	The University of Alicante, Spain
9/2018	Civil Aviation University of China, Tianjin, China
8/2018	University of Heidelberg, Heidelberg, Germany
7/2018	University of Innsbruck, Innsbruck, Austria

* Since last promotion

5. Scholarly Positions and Activities outside the Institution, contd.

b. Scientific Visits:

3/2018	University of Würzburg, Würzburg, Germany
2018	Fraunhofer Institute for Industrial Mathematics, Kaiserslautern, Germany and the Heidelberg Collaboratory for Image Processing (HCI)
12/2017	University of Innsbruck, Austria (Austria-Israel Academic Network Innsbruck (AIANI Fellowship))
7/2017	Institute for Condensed Matter Physics of the National Academy of Sciences of Ukraine, Lviv, Ukraine
12/2016	Department of Electrical Engineering, Computer Engineering and Informatics, Cyprus University of Technology, Limassol, Cyprus
7/2016	Institute for Condensed Matter Physics of the National Academy of Sciences of Ukraine, Lviv, Ukraine
7/2016	University of Cordoba, Cordoba, Spain
1/2016	Fraunhofer Institute for Industrial Mathematics, Kaiserslautern, Germany
1/2016	Heidelberg Collaboratory for Image Processing (HCI), University of Heidelberg, Heidelberg, Germany
10/2015	Heidelberg Collaboratory for Image Processing (HCI), University of Heidelberg, Heidelberg, Germany
1/2015	Berlin Mathematical School (BMS), Berlin, Germany
1/2015	Fraunhofer Institute for Industrial Mathematics, Kaiserslautern, Germany
6/2014	Institute for Numerical and Applied Mathematics University of Göttingen, Germany
6/2014	Mathematics Department at Jacobs University, Breman, Germany
5/2014	Institute for Numerical Simulation, Bonn, Germany
5/2014	Rochester Institute for Technology, Rochester, NY, USA
11/2011	Fraunhofer Institute for Industrial Mathematics, Kaiserslautern, Germany
9/2011	University of Zielona Góra, Zielona Góra, Poland
9/2010-10/2010	Peking University, Beijing, P.R. China

b. Committees, Sessions:

*23/6-26/8/2020	Initiator and Organizer, jointly with The Fraunhofer Institute for Industrial Mathematics ITWM: Expert Sessions: Project Methods. A weekly online seminar series
13/12/2018	Initiator and Member of Organizing Committee, Industrial Day with Tnuva Ltd., ORT Braude College of Engineering, Karmiel, Israel
16/10/2018	Initiator and Chief Organizer, Mathematics High-School Teacher's Seminar, ORT Braude College of Engineering, Karmiel, Israel
21/11/2017	Initiator and Chief Organizer, Mathematics High-School Teacher's Seminar, ORT Braude College of Engineering, Karmiel, Israel
15/10/2017	Initiator and Chief Organizer, Industrial Day, ORT Braude College of Engineering, Karmiel, Israel
19/12/2013	Assisting in the organization of a one-day marathon on "Projection Methods in Feasibility, Superiorization and Optimization, Haifa, Israel. The Center for Mathematics and Scientific Computation (CMSC) - University of Haifa, and The Caesarea Rothschild Institute (CRI) for Interdisciplinary Applications of Computer Science, Israel

* Since last promotion

6. Participation in Scholarly Conferences

a. Organization of Conferences or Sessions in Israel

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
2-6/7/2017	The First Israeli Modelling Week	Nahariya-Karmiel, Israel		Initiator and Chief Organizer
1/6/2017	The First IMU-INdAM Conference in Analysis	Tel-Aviv, Israel		Member of Organizing Committee
29/5-1/6/2017	The First IMU-INdAM Conference in Analysis	Tel-Aviv, Israel		Session Chair
10-15/5/2015	Complex Analysis and Dynamical Systems VII, ORT Braude College of Engineering, Bar-Ilan University, Israel, and the University of South Florida, USA	Nahariya, Israel		Member of Organizing Committee

b. Organization of Conferences or Sessions Abroad

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
*3-6/7/2022	Splitting Methods in Convex Optimization III, EURO 2022	Espoo, Finland		Session Chair
*4-8/3/2019	The 149 European Study Group with Industry	Innsbruck, Austria		Member of Organizing Committee
6-10/10/2017	Contemporary Problems in Mathematics and Physics	Tashkent, Uzbekistan		Member of Organizing Committee

c. Organization of Workshops in Israel

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
*4/3/2021	Workshop "Optimization, Algorithms and Industrial Application	Braude College of Engineering, Karmiel, Israel		Initiator and Organizer
28/12/2017	The Twentieth Biannual Mini-Workshop in Applied and Computational Mathematics	ORT Braude College of Engineering, Karmiel, Israel		Member of Organizing Committee
26-27/9/2017	The Workshop on Operator Theory and Applications	Nahariya, Israel		Member of Organizing Committee
26-27/9/2016	The Workshop on Operator Theory and Applications	Nahariya, Israel		Member of Organizing Committee

* Since last promotion

6. Participation in Scholarly Conferences, contd.

d. Organization of Workshops Abroad

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
*16-18/9/2020	The Felix Klein Autumn Workshop – Continuous Optimization, jointly with The High Performance Center Simulation and Software Based Innovation	Fraunhofer Institute for Industrial Mathematics ITWM, Kaiserslautern, Germany		Scientific Coordinator
19-20/6/2013	Workshop on Project Methods – Theory and Practice, Fraunhofer – ITWM and The Felix Klein Center for Mathematics, Kaiserslautern, Germany	Kaiserslautern, Germany.		Initiator and Chief Organizer

e. Oral and Poster Presentations in Israel

*29-31/10/2024 Research Workshop on Control and Optimization, The Technion, Haifa, Israel
Oral presentation: *Superiorization as an acceleration technique and beyond*

25/5/2018 The IMU 2018 Annual Meeting, The Technion, Haifa, Israel
Oral presentation: *Physically feasible decomposition of Engino toy models: A graph theoretic approach*

29/5-1/6/2017 The First IMU-INdAM Conference in Analysis, Tel-Aviv, Israel
Oral presentation: *The implicit convex feasibility problem and its applications*

25-28/5/2017 The IMU Annual Meeting, Akko, Israel
Oral presentation: *The implicit convex feasibility problem and its applications*

19/12/2013 A one-day marathon on "Projection Methods in Feasibility, Superiorization and Optimization", Haifa, Israel
Oral presentation: *Projection-based scheme for solving convex constrained optimization problems*

21-24/5/2012 Infinite Products of Operators and Their Applications, Technion, Haifa, Israel
Oral presentation: *The split variational inequality problem*

29-30/5/2011 Operations Research Society of Israel (ORSIS) Annual Conference, Akko, Israel
Oral presentation: *The split variational inequality problem*

f. Oral and Poster Presentations Abroad

*28-29/7/2024 International Workshop on Applied Analysis and Optimization 2024 (IWAAO2024), Research Center for Interneural Computing, China Medical University, Taichung, Taiwan
Oral presentation: *Projection methods, superiorization and applications*

*17-20/7/2023 Workshop on Outcome Evaluation and Pricing in Superiorization and in Multiobjective Optimization, Kaiserslautern, Germany
Oral presentation: *Superiorization as an acceleration technique and beyond*

*28-30/9/2022 International Conference on Operational Research (KOI), Šibenik, Croatia
Oral presentation: *Superiorization of perturbation resilient algorithms: An antipodal method to constrained optimization*

* Since last promotion

6. Participation in Scholarly Conferences, contd.

f. Oral and Poster Presentations Abroad

*4-9/9/2022	2nd Real-Time Adaptive Particle Therapy of Cancer (RAPTOR) School: Loop Requirements, Ljubljana, Slovenia Oral presentation: *Projection methods, superiorization and applications*
*3-6/7/2022	EURO 2022, Espoo, Finland Oral presentation: *Cyclic CQ scheme for handling multiple dose-volume constraints in inverse planning of intensity-modulated photon or proton therapy*
*15-18/3/2022	Symposium ITEM 2022: Innovation on Teaching Mathematics at HEI: Experiences on Classroom, Tenerife, Canary Islands, Spain [online] Oral presentation: *Graphs and matrices* (D. Goldstein, A. Gibali)
*16-18/9/2020	The Felix Klein Autumn Workshop – Continuous Optimization, jointly with The High Performance Center Simulation and Software Based Innovation, Fraunhofer Institute for Industrial Mathematics, Kaiserslautern, Germany Oral presentation: *Linear inequalities, projection methods and the convex feasibility problem*
*24-26/4/2019	British Applied Mathematics Colloquium, Bath, UK Oral presentation: *Projection methods, superiorization and applications*
19-20/7/2018	Deep Learning in Imaging Sciences Workshop, July 19-20, 2018, Innsbruck, Austria Oral presentation: *Projection methods, superiorization and applications*
21-23/3/2018	Math for Digital Factory, Limerick, Ireland Oral presentation: *The implicit convex feasibility problem and its industrial applications*
6-10/10/2017	Uzbek-Israel Scientific Conference – Contemporary Problems in Mathematics and Physics, Tashkent, Uzbekistan Oral presentation: *Speedup of lexicographic optimization by superiorization and its applications to cancer radiotherapy treatment*
27/2-3/3/2017	SIAM Conference on Computational Science and Engineering (CSE17), Atlanta, Georgia, USA Oral presentation: *The implicit convex feasibility problem and its applications*
4-9/12/2016	The 1st Study Group with Industry in Cyprus, The 125 European Study Group with Industry (ESGI), Limassol, Cyprus
4-8/7/2016	The 118 European Study Group with Industry (ESGI), Dublin, Ireland
8-14/5/2016	Geometric Analysis in Control and Vision Theory, Bergen/Voss, Norway Oral presentation: *The implicit convex feasibility problem and its application to adaptive image denoising*
11-15/9/2011	Israeli-Polish Mathematical Meeting, Łódź, Poland Oral presentation: *The split variational inequality problem*
16-19/5/2011	SIAM Conference on Optimization, Darmstadt, Germany Oral presentation: The split variational inequality problem (A. Gibali, Y. Censor, S. Reich)
15-17/10/2010	The Operations Research Society of China (ORSC) Annual Meeting, Beijing, P.R. China Oral presentation: The subgradient extragradient method

* Since last promotion

6. Participation in Scholarly Conferences, contd.

g. Oral and Poster Presentations Online

*10/3/2023 Symmetry 2023 Webinar – Nonlinear Analysis and Its Applications [online]
Oral presentation: *Superiorization of perturbation resilient algorithms: An antipodal method to constrained optimization*

*7-9/7/2021 EUROPT2021 – Toulouse, France [virtual]
Oral presentation: *The cyclic Douglas-Rachford algorithm with r-sets-Douglas-Rachford operators*
(A. Gibali, F.J.A. Artacho, Y. Censor)

*20-23/4/2021 Third IMA and OR Society Conference on Mathematics of Operational Research [online]
Oral presentation: *Dynamic string-averaging CQ-methods for the split feasibility problem with percentage volume constraints arising in radiation therapy treatment planning*

*1/3/2021 Doing Your PostDoc in Germany - Info Webinar, Embassy of the Federal Republic of Germany [online]
Oral presentation: *My Postdoc at The Fraunhofer ITWM, Kaiserslautern, Germany*

f. Oral and Poster Workshop Presentations in Israel

16-19/10/2017 A German-Israeli Research Workshop on Optimization, The Technion, Haifa, Israel
Oral presentation: *Speedup of lexicographic optimization by superiorization and its applications to cancer radiotherapy treatment*

28/12/2015 The 17th Mini-Workshop in Applied and Computational Mathematics, The Weizmann Institute, Rehovot, Israel
Oral presentation: *Projection methods for feasibility problems*

30/11/2014 Workshop on Nonlinear Analysis and Optimization, Technion, Haifa, Israel
Oral presentation: *Acceleration of projection methods for solving a system of linear equations*

11-14/1/2010 Workshop on Optimization Theory and Related Topics, a workshop in memory of Dan Butnariu, The Technion, and the University of Haifa, Haifa, Israel
Oral presentation: *Two extensions of Korpelevich's extragradient method for solving the variational inequality problem in Euclidean space*

f. Oral and Poster Workshop Presentations Abroad

19-20/6/2013 Workshop on Projection Methods - Theory & Practice, Kaiserslautern, Germany

7. Scholarships, Awards and Prizes

Year	Name of Institution/Journals (city, country)	Occasion
*2021	Journal: Optimization Methods and Software in 2021	Fourth most cited article in the past three years https://www.tandfonline.com/action/showMostCitedArticles?journalCode=goms20
*2020	Entrepreneurship Center Tel-Aviv University and Shenkar, Israel	First Prize: Hackathon – Free writing home exams
2018	Mathematics for Industry Network (international)	Short Term Scientific Mission (STSM) to Germany, Heidelberg and Kaiserslautern
2017	The Austria-Israel Academic Network Innsbruck (AIANI) Fellowship	Seventh Framework Programme - The People Programme, short scientific visit to Kiev and Lviv, Ukraine

* Since last promotion

7. Scholarships, Awards and Prizes, contd.

Year	Name of Institution/Journals (city, country)	Occasion
2015	TEMPUS IRIS	Short travelling grant for visit to Berlin and Heidelberg
2012-2014	German Federal Ministry for Education and Research	The Minerva Fellowship Program awarded on two occasions
2012	Technion – Israel Institute of Technology, Haifa, Israel	Faculty of Mathematics excellence award – Vivian Konigsberg award for excellence in teaching
2011	The Israel Mathematical Union (IMU)	Travel award
2011	The Polish Mathematical Society (PTM)	Travel award
2010	Technion – Israel Institute of Technology, Haifa, Israel	Vivian Konigsberg award for excellence in teaching
2008	University of Haifa, Israel	Dean of Graduate Studies excellence award
2005-2007	University of Haifa, Israel	Dean's Honors list - B.Sc. students Dean's Honors list - M.Sc. students

10. Teaching

a. Courses Taught in Recent Years at HIT – Holon Institute of Technology

Year	Name of Course	Type of Course Lecture/Seminar/ Workshop/High Learn Course/ Introduction Course (Mandatory)	Degree	Number of Students
2024	• Approximation Theory (Mathematics)	Lecture + Computer Lab.	B.Sc.	10-20
	• ODEs (Electric Engineering; Industrial Engineering)	Lecture	B.Sc.	70
2023-present	Linear Algebra (Mathematics)	Lecture	B.Sc.	30

b. Courses Taught in Recent Years at Braude College of Engineering

Year	Name of Course	Type of Course Lecture/Seminar/ Workshop/High Learn Course/ Introduction Course (Mandatory)	Degree	Number of Students
2021-2023	Optimization (Mathematics)	Lecture + Computer Lab.	B.Sc.	10-20
2019; 2020; 2022	Approximation Theory (Mathematics)	Lecture + Computer Lab.	B.Sc.	10-20

10. Teaching, contd.

b. Courses Taught in Recent Years at Braude College of Engineering

Year	Name of Course	Type of Course Lecture/Seminar/ Workshop/High Learn Course/ Introduction Course (Mandatory)	Degree	Number of Students
2014-2023	• Single Variable Calculus (Computer Science; Electric Engineering; Industrial Engineering)	Lecture	B.Sc.	75
	• Multivariable Calculus (Computer Science; Electric Engineering; Industrial Engineering)	Lecture	B.Sc.	75
	• Linear Algebra (Computer Science; Electric Engineering; Industrial Engineering)	Lecture	B.Sc.	70-80

c. Supervision of Graduate Students

Doctoral Students – University of Kwazulu-Natal, South Africa
(jointly with Prof. Oluwatosin Temitope Mewomo)

Name of Student	Title of Topic	Degree	In Progress	Students' Achievements
Victor Amarachi Uzor	Fixed point iterative methods for approximating the solutions of nonlinear and fixed point problems	Ph.D.	2022-present	

Graduate Students - College of Science, Civil Aviation, University of China, Tianjin 300300, P. R. China
(jointly with Prof. Qiao-Li Dong)

Name of Student	Title of Topic	Degree	Date of Completion/ in Progress	Students' Achievements
Shanghong Ke	Several splitting methods for the inclusion problem with a finite family of monotone operator	M.Sc.	2023-present	
Xiaoxiao Li	Splitting algorithms for the state-dependent monotone inclusion problems	M.Sc.	2020-2023 (completed)	

11. Miscellaneous

a. Membership in Professional Societies

2021-2024	COST Management Committee member – COST Action CA19130 - Fintech and Artificial Intelligence in Finance – Towards a transparent financial industry https://www.cost.eu/actions/CA19130/
2015-2018	COST Management Committee Member - COST Action TD1409 – Mathematics for Industry Network (MI-NET) https://www.cost.eu/actions/TD1409/
2016-present	Israel Mathematical Union (IMU) https://www.imu.org.il/
2019-present	Council of The European Consortium for Mathematics in Industry (ECMI) https://ecmiindmath.org/

PUBLICATIONS

Prof. Aviv Gibali has an H-index of 30 (Google Scholar)

A. Ph.D. Dissertation

"Algorithms for solving variational inequalities and applications", 2012 (150 pages) in English, Faculty of Mathematics, The Technion – Israel Institute of Technology, Israel,
Supervisors: Prof. Simeon Reich; Prof. Yair Censor

A. Authored Books - Published

1. **A. Gibali** (2013)
A new algorithmic scheme for solving variational inequalities
LAP Lambert Academic Publishing (56 pages)
ISBN: 978-3-659-20622-1

B. Edited Books and Special Journal Issues – Published

*1. K.L. Teo, Y. Wu, **A. Gibali,** Co-Guest Editor (2022)
Symmetry in optimization and control with real world applications
Special Issue of J. Symmetry, 14(8), 1529-1–1529-4
WoS: Q2, IF: 2.7 (2022)
SCImago: Q2, h-index: 76

*2. **A. Gibali**, P. Giselsson, T. Humphries (2022)
Editorial: A special issue on projection and splitting methods and their applications
J. of Applied and Numerical Optimization, 4(2), 129-130
SCImago: Q2, h-index: 11

*3. **A. Gibali**, G.T. Herman, C. Schnörr, Guest Editors (2020)
Editorial: A special issue focused on superiorization versus constrained optimization: Analysis and applications
Special Issue of J. of Applied and Numerical Optimization (JANO), 2(1), 1-2
https://doi.org/10.23952/jano.2.2020.1.01
SCImago: Q2, h-index: 11, Scopus citations: 2
[Google scholar citations: 2]

D. Articles in Refereed Journals (ranked by either WoS or SCImago)

Published

*1. O. T. Mewomo, V. A. Uzor, **A. Gibali** (2024)
An alternated inertial projection and contraction algorithm for solving quasimonotone bilevel variational inequalities with application to optimal control problems
Acta Applicandae Mathematicae, **193**(1), 1
https://link.springer.com/article/10.1007/s10440-024-00678-7
WoS: Q2, IF: 1.4 (2023)
SCImago: Q2, h-index: 51

*2. S. Singh, **A. Gibali**, Simeon Reich (2024)
Multidimensional evolution effects on non-cooperative strategic games
Mathematics, 12(16), 2453
https://doi.org/10.3390/math12162453
WoS: Q1, IF: 2.2 (2023)
SCImago: Q2, h-index: 68

2022 Five-year Impact Factor unless otherwise stated
* Since last promotion

D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.

Published

*3. A.S.O.E. Owolabi, O.T. Mewomo, A. Taiwo, L.O. Jolaoso, **A. Gibali** (2024)
A modified forward-backward splitting method for solving monotone inclusions and fixed points problems
Vietnam J. of Mathematics
https://link.springer.com/article/10.1007/s10013-024-00710-1
WoS: Q2, IF: 0.8 (2023)
SCImago: Q2, h-index: 18

*4. O.T. Mewomo, V.A. Uzor, **A. Gibali** (2024)
Fast hybrid method for solving variational inequalities beyond monotonicity in real Banach spaces
Optimization (1-41) published online: 16 July 2024
https://www.tandfonline.com/doi/full/10.1080/02331934.2024.2377241
WoS: Q2, IF: 1.9 (2023)
SCImago: Q2, h-index: 59

*5. O. T. Mewomo, V. A. Uzor, **A. Gibali** (2024)
A strongly convergent algorithm for solving split equality problem beyond monotonicity
Computational and Applied Mathematics, 43(6), 326
https://link.springer.com/article/10.1007/s40314-024-02829-w
WoS: Q1, IF: 2.2 (2023)
SCImago: Q2, h-index: 45

*6. X. Li, Q. Dong, **A. Gibali** (2024)
Splitting algorithms for solving state-dependent maximal monotone inclusion problems
Optimization (1-24) published online: 19 April 2024
https://doi.org/10.1080/02331934.2024.2341942
WoS: Q1, IF: 2.2
SCImago: Q1, h-index: 55

*7. Q-L. Dong, L. Liu, **A. Gibali** (2024)
A dynamic simultaneous algorithm for solving split equality fixed point problems
Optimization, 73(3), 833-849
WoS: Q1, IF: 2.2, JCR citations: 2
SCImago: Q1, h-index: 55, Scopus citations: 2
[Google scholar citations: 3]

*8. V.A. Uzor, T.O. Alakoya, O.T. Mewomo, **A. Gibali** (2023)
Solving quasimonotone and non-monotone variational inequalities
Mathematical Methods of Operations Research, 98(3), 461-498
WoS: Q3, IF: 1.1
SCImago: Q2, h-index: 51, Scopus citations: 3
[Google scholar citations: 3]

*9. K. Barshad, **A. Gibali**, S. Reich (2023)
The generalized modular string averaging procedure and its applications to iterative methods for solving various nonlinear operator theory problems
Numerical Algorithms, 94(4), 1797-1818
WoS: Q1, IF: 2.2
SCImago: Q2, h-index: 71

2022 Five-year Impact Factor unless otherwise stated
* Since last promotion

D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.

Published

*10. Y. Tang, **A. Gibali** (2023)
Resolvent-free method for solving monotone inclusions
Axioms, 12(6), 557
WoS: Q2, IF: 1.9, JCR citation: 1
SCImago: Q3, h-index: 27, Scopus citation: 1
[Google scholar citation: 1]

*11. A.G. Gebrie, B.D. Rouhani, **A. Gibali** (2023)
Inertial accelerated steepest descent algorithm for generalized split common fixed point problems
Bulletin of the Iranian Mathematical Society, 49(3), 39
WoS: Q3, IF: 0.7
SCImago: Q3, h-index: 21

*12. S. Singh, **A. Gibali** (2023)
Split modeling approach to non-cooperative strategic games
Applied Set-Valued Analysis and Optimization, 5(3), 389-400
SCImago: Q1, h-index: 9, Scopus citation: 1

*13. T.O. Alakoya, O.T. Mewomo, **A. Gibali** (2023)
Solving split inverse problems
Carpathian J. of Mathematics, 39(3), 583-603
WoS: Q1, IF: 1.3, JCR citations: 3
SCImago: Q2, h-index: 28, Scopus citations: 3
[Google scholar citations: 3]

*14. S. Dey, **A. Gibali**, S. Reich (2023)
Levitin-Polyak well-posedness for split equilibrium problems
Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas, 117(2), 88
https://doi.org/10.1007/s13398-023-01416-8
WoS: Q1, IF: 2.1, JCR citations: 2
SCImago: Q1, h-index: 32, Scopus citations: 2
[Google scholar citations: 2]

*15. F.J. Aragón-Artacho, Y. Censor, **A. Gibali**, D. Torregrosa-Belén (2023)
The superiorization method with restarted perturbations for split minimization problems with an application to radiotherapy treatment planning
Applied Mathematics and Computation, 440, 127627
WoS: Q1, IF: 3.4, JCR citations: 2
SCImago: Q1, h-index: 166, Scopus citations: 3
[Google scholar citations: 8]

*16. K. Barshad, **A. Gibali**, S. Reich (2023)
Unrestricted Douglas-Rachford algorithms for solving convex feasibility problems in Hilbert space
Optimization Methods and Software, 38(4), 655-667
WoS: Q1, IF: 2.1, JCR citations: 2
SCImago: Q1, h-index: 65, Scopus citations: 2
[Google scholar citations: 2]

2022 Five-year Impact Factor unless otherwise stated
* Since last promotion

D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.

Published

*17. V.A. Uzor, O.T. Mewoma, T.O. Alakoya, **A. Gilbali** (2023)
Outer approximated projection and contraction method for solving variational inequalities
J. of Inequalities and Applications, 2023(1), 141
https://doi.org/10.1186/s13660-023-03043-8
WoS: Q1, IF: 1.6
SCImago: Q2, h-index: 62, Scopus citations: 6
[Google scholar citations: 6]

18. P.N. Anh, N.V. Hong, **A. Gibali** (2023)
Inexact simultaneous projection method for solving bilevel equilibrium problems
Fixed Point Theory, 24(2), 487-506
WoS: Q2, IF: 1.3, JCR citation: 1
SCImago: Q2, h-index: 27, Scopus citation: 1
[Google scholar citation: 1]

*19. **A. Gibali**, M.D. Brooke, Y. Censor (2023)
Dynamic string-averaging CQ-methods for the split feasibility problem with percentage volume constraints arising in radiation therapy treatment planning
Int'l. Trans. in Operational Research, 30(1), 181-205
WoS: Q2, IF: 3.2, JCR citations: 23
SCImago: Q1, h-index: 61, Scopus citations: 23
[Google scholar citations: 30]

*20. G.H. Taddele, P. Kumam, **A. Gibali**, W. Kumam (2023)
An outer quadratic approximation method for solving split feasibility problems
J. of Applied and Numerical Optimization, 5(3), 349-370
SCImago: Q3, h-index: 11, Scopus citations: 2
[Google scholar citations: 2]

*21. **A. Gibali**, D. Teller (2022)
A real-time iterative projection scheme for solving the common fixed point problem and its applications
J. of Mathematical Sciences, 264(6), 684-702
SCImago: Q3, h-index: 41
[also appears in: Contemporary Mathematics. Fundamental Directions: Contemporary Problems in Mathematics and Physics, 64(4), 2018, 616-636, WoS: Q4, IF: 0.4, SCImago: Q4, h-index: 21]

*22. G.H. Taddele, Y. Li, **A. Gibali**, P. Kumam, J. Zhao (2022)
Linear approximation method for solving split inverse problems and its applications
Advances in Computational Mathematics, 48(4), 39
WoS: Q2, IF: 1.8, JCR citation: 1
SCImago: Q2, h-index: 64, Scopus citation: 1
[Google scholar citation: 1]

*23. G.A. Okeke, D. Francis, **A. Gibali** (2022)
On fixed point theorems for a class of α-υˆ-Meir-Keeler-type contraction mapping in modular p-metric spaces
J. of Analysis, 30(3), 1257-1282
WoS: Q2, IF: N/A (2023), JCR citations: 4
SCImago: Q3, h-index: 11, Scopus citations: 7
[Google scholar citations: 10]

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D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.

Published

*24. X. Li, Q-L. Dong, **A. Gibali** (2022)
PMiCA - Parallel multi-step inertial contracting algorithm for solving common variational inclusions
J. of Nonlinear Functional Analysis, 2022, 7, 1-12
WoS: Q1, IF: 0.7 (2023), JCR citations: 7
SCImago: Q3, h-index: 12, Scopus citations: 12
[Google scholar citations: 12]

*25. Y. Tang, H. Lin, **A. Gibali**, Y. J. Cho (2022)
Convergence analysis and applications of the inertial algorithm solving inclusion problems
Applied Numerical Mathematics, 175, 1-17
WoS: Q1, IF: 2.4, JCR citations: 6
SCImago: Q1, h-index: 83, Scopus citations: 6
[Google scholar citations: 6]

*26. **A. Gibali**, Y.I. Suleiman (2022)
Parallel projection method for solving split equilibrium problems
J. of Applied and Numerical Optimization, 4(2), 161-173
Special Issue on Projection and Splitting Methods and Their Applications
SCImago: Q2, h-index: 11, Scopus citations: 3
[Google scholar citations: 3]

*27. S. Singh, **A. Gibali**, X. Qin (2022)
Cooperation in traffic network problems via evolutionary split variational inequalities
J. of Industrial and Management Optimization, 18(1), 593-611
WoS: Q4, IF: 1.3, JCR citations: 2
SCImago: Q3, h-index: 36, Scopus citations: 2
[Google scholar citations: 3]

*28. Y. Tang, Y. Zhang, **A. Gibali** (2021)
New self-adaptive inertial-like proximal point methods for the split common null point problem
Symmetry-Basel, 13(12), 2316
WoS: Q2, IF: 2.7, JCR citations: 5
SCImago: Q2, h-index: 76, Scopus citations: 5
[Google scholar citations: 3]

*29. H. Heaton, S. Wu Fung, **A. Gibali**, W. Yin (2021)
Feasibility-based fixed point networks
Fixed Point Theory and Algorithms for Sciences and Engineering, 2021(1), 21
https://doi.org/10.1186/s13663-021-00706-3
JCR citations: 3
SCImago: Q2, h-index: 73, Scopus citations: 8
[Google scholar citations: 36]

*30. R. Suparatulatorn, T. Mouktonglang, **A. Gibali**, W. Cholamjiak (2021)
A parallel Tseng's splitting method for solving common variational inclusion applied to signal recovery problems
Advances in Difference Equations, 2021(1), 492
https://doi.org/10.1186/s13662-021-03647-8
WoS: Q1, IF: 2.9, JCR citations: 11
SCImago: Q2, h-index: 65, Scopus citations: 13
[Google scholar citations: 15]

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D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.

Published

*31. D.V. Thong, **A. Gibali**, P.T. Vuong (2021)
An explicit algorithm for solving monotone variational inequalities
Applied Numerical Mathematics, 171, 408-425
WoS: Q1, IF: 2.4, JCR citations: 9
SCImago: Q1, h-index: 83, Scopus citations: 10
[Google scholar citations: 11]

*32. S. Singh, **A. Gibali**, S. Reich (2021)
Multi-time generalized Nash equilibria with dynamic flow applications
Mathematics, 9(14), 1658
WoS: Q1, IF: 2.2, JCR citation: 1
SCImago: Q2, h-index: 55, Scopus citation: 1
[Google scholar citations: 3]

*33. D.V. Thong, **A. Gibali**, M. Staudigl, P.T. Vuong (2021)
Computing dynamic user equilibrium on large-scale networks without knowing global parameters
Networks and Spatial Economics, 21(3), 735-768
WoS: Q3, IF: 2.7, JCR citations: 2
SCImago: Q2, h-index: 55, Scopus citations: 3
[Google scholar citations: 5]

*34. **A. Gibali**, Salahuddin (2021)
Error bounds and gap functions for various variational type problems
Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales.
Serie A. Matemáticas, 115(3), (123)
WoS: Q1, IF: 2.1
SCImago: Q1, h-index: 32, Scopus citations: 3
[Google scholar citation: 1]

*35. Y. Tang, **A. Gibali**, Y.J. Cho (2021)
Simple inertial methods for solving split variational inclusions in Banach Spaces
Mathematical Methods in the Applied Sciences, 44(17), 12707-12726
WoS: Q1, IF: 2.3, JCR citations: 2
SCImago: Q1, h-index: 76, Scopus citations: 3
[Google scholar citations: 3]

*36. **A. Gibali**, O. Kelis (2021)
An analytic and numerical investigation of a differential game
Axioms, 10(2), 66
WoS: Q2, IF: 1.9, JCR citations: 2
SCImago: Q3, h-index: 27, Scopus citations: 2
[Google scholar citations: 2]

*37. A. Taiwo, A.O-E. Owolabi, L.O. Jolaoso, O.T. Mewomo, **A. Gibali** (2021)
A new approximation scheme for solving various split inverse problems
Afrika Matematika, 32(3-4), 369-401
WoS: Q2, IF: 0.8 (2023), JCR citations: 37
SCImago: Q2, h-index: 23, Scopus citations: 33
[Google scholar citations: 40]

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D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.

Published

*38. E. Bonacker, **A. Gibali**, K.H. Küfer (2021)
Accelerating two projection methods via perturbations with application to intensity-modulated radiation therapy
Applied Mathematics and Optimization, 83(2), 881-914
WoS: Q2, IF: 1.9, JCR citations: 3
SCImago: Q1, h-index: 51, Scopus citations: 4
[Google scholar citations: 9]

*39. H. Ur Rehman, P. Kumam, **A. Gibali** (2021)
Convergence analysis of a general inertial projection-type method for solving pseudomonotone equilibrium problems with applications
J. of Inequalities and Applications, 2021(1), 63
WoS: Q1, IF: 1.6, JCR citations: 17
SCImago: Q2, h-index: 62, Scopus citations: 21
[Google scholar citations: 23]

*40. **A. Gibali**, O.S. Lyiola, L. Akinyemi, Y. Shehu (2021)
Projected-reflected subgradient-extragradient method and its real-world applications
Symmetry-Basel, 13(3), 489
WoS: Q2, IF: 2.7, JCR citations: 7
SCImago: Q2, h-index: 76, Scopus citations: 8
[Google scholar citations: 7]

*41. H. Ur Rehman, **A. Gibali**, P. Kumam, K. Sitthithakerngkiet (2021)
Two new extragradient methods for solving equilibrium problems
Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas, 115(2), 75
WoS: Q1, IF: 2.1, JCR citations: 13
SCImago: Q1, h-index: 32, Scopus citations: 22
[Google scholar citations: 22]

*42. Y. Shehu, **A. Gibali** (2021)
New inertial relaxed method for solving split feasibilities
Optimization Letters, 15(6), 2109-2126
WoS: Q2, IF: 1.6, JCR citations: 74
SCImago: Q2, h-index: 48, Scopus citations: 76
[Google scholar citations: 73]

*43. A. Taiwo, O. Mewomo, **A. Gibali** (2021)
A simple strong convergent method for solving split common fixed point problems
J. of Nonlinear and Variational Analysis, 5(5), 777-793
Special Issue on Recent Trends on Variational Inequalities and Related Topics, Part I
WoS: Q1, IF: 1.9, JCR citations: 19
SCImago: Q1, h-index: 15, Scopus citations: 22
[Google scholar citations: 18]

*44. **A. Gibali**, Y. Shehu (2020)
A symmetric FBF method for solving monotone inclusions
Symmetry-Basel, 12(9), 1456
WoS: Q2, IF: 2.7, JCR citations: 3
SCImago: Q2, h-index: 76, Scopus citations: 4
[Google scholar citations: 4]

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D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.

Published

*45. **A. Gibali**, L.O. Jolaoso, O.T. Mewomo, A. Taiwo (2020)
Fast and simple Bregman projection methods for solving variational inequalities and related problems in Banach Spaces
Results in Mathematics, 75(4), 179, 1-36
https://doi.org/10.1007/s00025-020-01306-0
WoS: Q1, IF: 1.7, JCR citations: 54
SCImago: Q2, h-index: 38, Scopus citations: 52
[Google scholar citations: 58]

*46. Y.I. Suleiman, H. ur Rehman, **A. Gibali**, P. Kumam (2020)
A self-adaptive extragradient CQ-method for a class of bilevel split equilibrium problem with application to Nash Cournot oligopolistic electricity market models
Computational and Applied Mathematics, 39(4), 293
WoS: Q1, IF: 2.2, JCR citations: 9
SCImago: Q2, h-index: 39, Scopus citations: 10
[Google scholar citations: 9]

*47. **A. Gibali**, Y. Shehu (2020)
Reflected forward-backward-forward algorithm for monotone inclusion
Symmetry-Basel, 12(9), 1456
WoS: Q2, IF: 2.7
SCImago: Q2, h-index: 76

*48. A. Taiwo, L.O. Jolaoso, O.T. Mewomo, **A. Gibali** (2020)
On generalized mixed equilibrium problem with $\alpha - \beta - \eta$ bifunction and $\mu - T$ monotone mapping
J. of Nonlinear and Convex Analysis, 21(6), 1381-1401
WoS: Q2, IF: 0.8, JCR citations: 30
SCImago: Q3, h-index: 34, Scopus citations: 32
[Google scholar citations: 34]

*49. **A. Gibali**, D.V. Thong, N.T. Vinh (2020)
Three new iterative methods for solving inclusion problems and related problems
Computational and Applied Mathematics, 39(3), 187
https://doi.org/10.1007/s40314-020-01215-6
WoS: Q1, IF: 2.2, JCR citations: 9
SCImago: Q2, h-index: 39, Scopus citations: 9
[Google scholar citations: 10]

*50. Y. Shehu, **A. Gibali** (2020)
Inertial Krasnoselskii-Mann method in Banach spaces
Mathematics, 8(4), 638
WoS: Q1, IF: 2.2, JCR citations: 6
SCImago: Q2, h-index: 55, Scopus citations: 7
[Google scholar citations: 8]

*51. Y. Tang, **A. Gibali** (2020)
Several inertial methods for solving split convex feasibilities and related problems
Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales.
Serie A. Matemáticas, 114(3), 121
WoS: Q1, IF: 2.1, JCR citations: 6
SCImago: Q1, h-index: 32, Scopus citations: 6
[Google scholar citations: 7]

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D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.

Published

*52. **A. Gibali**, M. Haltmeier (2020)
Superiorized regularization of inverse problems
J. of Applied and Numerical Optimization, 2(1), 63-70
SCImago: Q2, h-index: 11

*53. A. Cegielski**, A. Gibali**, S. Reich, R. Zalas (2020)
Outer approximation methods for solving variational inequalities defined over the solution set of a split convex feasibility problem
Numerical Functional Analysis and Optimization, 41(9), 1089-1108
WoS: Q3, IF: 1.1, JCR citations: 11
SCImago: Q2, h-index: 50, Scopus citations: 11
[Google scholar citations: 11]

*54. E. Bonacker, **A. Gibali**, K.H. Küfer (2020)
Nesterov perturbations and projection methods applied to IMRT
J. of Nonlinear and Variational Analysis, 4(1), 63-86
WoS: Q1, IF: 1.9, JCR citations: 15
SCImago: Q1, h-index: 15, Scopus citations: 19
[Google scholar citations: 21]

*55. **A. Gibali**, S. Sagratella, Y. Shehu (2020)
Inertial projection-type methods for solving quasi-variational inequalities in real Hilbert spaces
J. of Optimization Theory and Applications, 184(3), 877-894
WoS: Q2, IF: 1.8, JCR citations: 36
SCImago: Q1, h-index: 98, Scopus citations: 39
[Google scholar citations: 53]

*56. X-H. Li, Q-L. Dong, **A. Gibali** (2020)
Some new iterative algorithms for finding fixed points of nonexpansive mappings
J. of Applied and Numerical Optimization, 2(2), 143-154
SCImago: Q2, h-index: 11, Scopus citations: 3
[Google scholar citations: 4]

*57. D.V. Hieu, **A. Gibali** (2020)
Strong convergence of inertial algorithms for solving equilibrium problems
Optimization Letters, 14(7), 1817-1843
WoS: Q2, IF: 1.6, JCR citations: 17
SCImago: Q2, h-index: 48, Scopus citations: 18
[Google scholar citations: 18]

*58. **A. Gibali**, Y. Tang (2020)
New self-adaptive step size algorithms for solving split variational inclusion problems and its applications
Numerical Algorithms 83(1), 305-331
WoS: Q1, IF: 2.2, JCR citations: 36
SCImago: Q2, h-index: 71, Scopus citations: 40
[Google scholar citations: 42]

*59. **A. Gibali**, D.V. Thong (2020)
A new low-cost double projection method for solving variational inequalities
Optimization and Engineering, 21(4), 1613-1634
WoS: Q2, IF: 2.4, JCR citations: 27
SCImago: Q2, h-index: 46, Scopus citations: 31
[Google scholar citations: 32]

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D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.

Published

*60. **A. Gibali**, N.H. Ha, N.T. Thuong, T.H. Trang, N.T. Vinh (2019)
Polyak's gradient method for solving the split convex feasibility problem and its applications
J. of Applied and Numerical Optimization, 1(2), 145-156
SCImago: Q2, h-index: 11, Scopus citations: 12
[Google scholar citations: 10]

*61. **A. Gibali**, D.V. Hieu (2019)
A new inertial double-projection method for solving variational inequalities
J. of Fixed Point Theory and Applications, 21(4), 97
WoS: Q1, IF: 1.9, JCR citations: 39
SCImago: Q2, h-index: 35, Scopus citations: 42
[Google scholar citations: 44]

*62. N.T. Vinh, **A. Gibali** (2019)
Gradient projection-type algorithms for solving equilibrium problems and its applications
Computational and Applied Mathematics, 38(3), 119
https://doi.org/10.1007/s40314-019-0894-5
WoS: Q1, IF: 2.2, JCR citations: 8
SCImago: Q2, h-index: 39, Scopus citations: 8
[Google scholar citations: 10]

*63. **A. Gibali**, D.V. Thong, P.A. Tuan (2019)
Two simple projection-type methods for solving variational inequalities
Analysis and Mathematical Physics, 9(4), 2203-2225
WoS: Q1, IF: 1.5, JCR citations: 29
SCImago: Q2, h-index: 21, Scopus citations: 32
[Google scholar citations: 32]

*64. **A. Gibali**, D.V. Thong (2019)
Extragradient methods for solving non-Lipschitzian pseudo-monotone variational inequalities
J. of Fixed Point Theory and Applications, 21(1), 20
WoS: Q1, IF: 1.9, JCR citations: 42
SCImago: Q2, h-index: 35, Scopus citations: 44
[Google scholar citations: 36]

*65. **A. Gibali**, D. V. Thong (2019)
Two strong convergence subgradient extragradient methods for solving variational inequalities in Hilbert spaces
Japan J. of Industrial and Applied Mathematics, 36(1), 299-321
WoS: Q3, IF: 0.7, JCR citations: 13
SCImago: Q2, h-index: 30, Scopus citations: 17
[Google scholar citations: 18]

*66. **A. Gibali**, D. Shoikhet, N. Tarkhanov (2019)
On the convergence rate of continuous Newton method
J. of Mathematical Sciences, 239(6), 867-879
SCImago: Q3, h-index: 41
[also appears in Contemporary Mathematics, Fundamental Directions, 62, 2016, 152-165, WoS: Q4, IF: 0.4, SCImago: Q4, h-index: 21]

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D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.

Published

*67. **A. Gibali**, D. T. Mai, N. T. Vinh (2019)
A new relaxed CQ algorithm for solving split feasibility problems in Hilbert spaces and its applications
J. of Industrial and Management Optimization, 15(2), 963-984
WoS: Q4, IF: 1.3, JCR citations: 44
SCImago: Q3, h-index: 36, Scopus citations: 56
[Google scholar citations: 69]

*68. F.J. Aragón Artacho, Y. Censor, **A. Gibali** (2019)
The cyclic Douglas-Rachford algorithm with r-sets-Douglas-Rachford operators
Optimization Methods and Software, 34(4), 875-889
WoS: Q1, IF: 2.1, JCR citations: 7
SCImago: Q1, h-index: 65, Scopus citations: 9
[Google scholar citations: 16]

*69. E.N. Antoniou, A. Araújo, M.D. Bustamante, **A. Gibali** (2019)
Physically feasible decomposition of Engino® toy models: A graph-theoretic approach
European J. of Applied Mathematics, 30(2), 278-297
WoS: Q2, IF: 1.8
SCImago: Q2, h-index: 50
[Google scholar citations: 3]

*70. **A. Gibali**, Y. Shehu (2019)
An efficient iterative method for finding common fixed point and variational inequalities in Hilbert spaces
Optimization, 68(1), 13-32
Special Issue: German-Israeli Research Workshop on Optimization, Haifa, Israel
WoS: Q1, IF: 2.2, JCR citations: 46
SCImago: Q1, h-index: 55, Scopus citations: 46
[Google scholar citations: 46]

*71. S. He, L. Liu, **A. Gibali** (2018)
Self-adaptive iterative method for solving boundedly Lipschitz continuous and strongly monotone variational inequalities
J. of Inequalities and Applications, 2018(1), 350
WoS: Q1, IF: 1.6, JCR citations: 2
SCImago: Q2, h-index: 62, Scopus citations: 3
[Google scholar citations: 3]

72. S. He, T. Wu, **A. Gibali** and Q.L. Dong (2018)
Totally relaxed, self-adaptive algorithm for solving variational inequalities over the intersection of sub-level sets
Optimization, 67(9), 1487-1504
WoS: Q1, IF: 2.2, JCR citations: 15
SCImago: Q1, h-index: 55, Scopus citations: 15
[Google scholar citations: 19]

73. Q.-L. Dong, D. Jiang, **A. Gibali** (2018)
A modified subgradient extragradient method for solving the variational inequality
Numerical Algorithms, 79(3), 927-940
WoS: Q1, IF: 2.2, JCR citations: 60
SCImago: Q2, h-index: 71, Scopus citations: 69
[Google scholar citations: 71]

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D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.

Published

74. **A. Gibali**, S. Petra (2018)
DC-Programming versus ℓ_0-superiorization for discrete tomography
Analele ştiinţifice ale Universităţii "Ovidius" Constanţa-Seria Mathematică, 26(2), 105-133
WoS: Q3, IF: 0.8, JCR citations: 3
SCImago: Q3, h-index: 23, Scopus citations: 2
[Google scholar citations: 8]

75. **A. Gibali,** D. V. Thong (2018)
Tseng type methods for solving inclusion problems and its applications
Calcolo, 55(4), 49
WoS: Q1, IF: 2.0, JCR citations: 76
SCImago: Q1, h-index: 37, Scopus citations: 77
[Google scholar citations: 90]

76. A. Gibali, K. H. Küfer, D. Reem, P. Süss (2018)
A generalized projection-based scheme for solving convex constrained optimization problems
Computational Optimization and Applications, 70(3), 737-762
WoS: Q1, IF: 2.4, JCR citations: 17
SCImago: Q1, h-index: 85, Scopus citations: 21
[Google scholar citations: 21]

77. G. Cai, **A. Gibali**, O. S. Lyiola, Y. Shehu (2018)
A new double-projection method for solving variational inequalities in Banach space
J. of Optimization Theory and Applications, 178(1), 219-239
WoS: Q2, IF: 1.8, JCR citations: 46
SCImago: Q1, h-index: 98, Scopus citations: 51
[Google scholar citations: 54]

78. Q-L. Dong, **A. Gibali**, D. Jiang, S-H. Ke (2018)
Convergence of projection and contraction algorithms with outer perturbations and their applications to sparse signals recovery
J. of Fixed Point Theory and Applications, 20(1), 16
WoS: Q1, IF: 1.9, JCR citations: 20
SCImago: Q2, h-index: 35, Scopus citations: 21
[Google scholar citations: 26]

79. A. Moudafi, **A. Gibali** (2018)
l_1l_2 regularization of split feasibility problems
Numerical Algorithms 78(3), 739-757
WoS: Q1, IF: 2.2, JCR citations: 27
SCImago: Q2, h-index: 71, Scopus citations: 28
[Google scholar citations: 37]

80. **A. Gibali** (2018)
Two simple relaxed perturbed extragradient methods for solving variational inequalities in Euclidean spaces
J. of Nonlinear and Variational Analysis, 2(1), 49-61
WoS: Q1, IF: 1.9, JCR citations: 28
SCImago: Q1, h-index: 15, Scopus citations: 29
[Google scholar citations: 20]

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D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.

Published

81. **A. Gibali**, L-W. Liu, Y-C. Tang (2018)
Note on the modified relaxation CQ algorithm for the split feasibility problem
Optimization Letters, 12(4), 817-830
WoS: Q2, IF: 1.6, JCR citations: 66
SCImago: Q2, h-index: 48, Scopus citations: 58
[Google scholar citations: 71]

82. Q. L. Dong, **A. Gibali**, D. Jiang, Y. Tang (2017)
Bounded perturbation resilience of extragradient-type methods and their applications
J. of Inequalities and Applications, 2017, 280
https://doi.org/10.1186/s13660-017-1555-0
WoS: Q1, IF: 1.6, JCR citations: 11
SCImago: Q2, h-index: 62, Scopus citations: 10
[Google scholar citations: 16]

83. **A. Gibali**, S. Reich, R. Zalas (2017)
Outer approximation methods for solving variational inequalities in Hilbert space
Optimization, 66(3), 2017 (417-437)
WoS: Q1, IF: 2.2, JCR citations: 100
SCImago: Q1, h-index: 55, Scopus citations: 111
[Google scholar citations: 115]

84. E. Bonacker, **A. Gibali**, K-H. Küfer, P. Süss (2017)
Speedup of lexicographic optimization by superiorization and its
applications to cancer radiotherapy treatment
Inverse Problems, 33(4), 044012
Special Issue on Superiorization: Theory and Applications
WoS: Q1, IF: 2.3, JCR citations: 4
SCImago: Q1, h-index: 122, Scopus citations: 6
[Google scholar citations: 10]

85. D-D. Erdmann-Pham, **A. Gibali**, K-H. Küfer and P. Süss (2016)
Singular value homogenization: A simple preconditioning technique for
linearly constrained optimization and its potential applications in medical therapy
J. of Mathematics in Industry, 6(1), 1, 1-11
WoS: Q3, IF: 1.3 (2023)
SCImago: Q3, h-index: 16

86. Y. Censor, **A. Gibali**, F. Lenzen, C. Schörr (2016)
The implicit convex feasibility problem and its application to adaptive image denoising
J. of Computational Mathematics, 34(6), 610-625
WoS: Q2, IF: 0.9, CR citations: 7
SCImago: Q3, h-index: 40, Scopus citations: 7
[Google scholar citations: 18]

87. **A. Gibali**, S. Reich, R. Zalas (2015)
Iterative methods for solving variational inequalities in Euclidean space
J. of Fixed Point Theory and Applications, 17(4), 775-811
WoS: Q1, IF: 1.9, JCR citations: 37
SCImago: Q2, h-index: 35, Scopus citations: 41
[Google scholar citations: 44]

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D. Articles in Refereed Journals (ranked by either WoS or SCImago)**, contd.**

Published

88. **A. Gibali**, K.H. Küfer, P. Süss (2014)
Successive linear programing approach for solving the nonlinear split feasibility problem
J. of Nonlinear and Convex Analysis, 15(2), 345-353
WoS: Q2, IF: 0.8, JCR citations: 8
SCImago: Q3, h-index: 34, Scopus citations: 9
[Google scholar citations: 11]

89. A. Cegielski, **A. Gibali**, S. Reich, R. Zalas (2013)
An algorithm for solving the variational inequality problem over the fixed point set of a quasi-nonexpansive operator in Euclidean space
Numerical Functional Analysis and Optimization, 34(10), 1067-1096
WoS: Q3, IF: 1.1, JCR citations: 28
SCImago: Q2, h-index: 50, Scopus citations: 29
[Google scholar citations: 33]

90. **Gibali** (2013)
Algorithm for solving the set-valued variational inequality problem in Euclidean space
Pacific J. of Optimization, 9(1), 61-75
WoS: Q4, IF: 0.4, JCR citations: 2
SCImago: Q2, h-index: 21
[Google scholar citations: 2]

91. Y. Censor, **A. Gibali**, S. Reich (2012)
Extensions of Korpelevich's extragradient method for the variational inequality problem in Euclidean space
Optimization, 61(9), 1119-1132
WoS: Q1, IF: 2.2, JCR citations: 326
SCImago: Q1, h-index: 55, Scopus citations: 345
[Google scholar citations: 412]

92. C. Byrne, Y. Censor, **A. Gibali**, S. Reich (2012)
The split common null point problem
J. of Nonlinear and Convex Analysis, 13(4), 759-775
WoS: Q2, IF: 0.8, JCR citations: 374
SCImago: Q3, h-index: 34, Scopus citations: 392
[Google scholar citations: 434]

93. Y. Censor, A. Gibali, S. Reich (2012)
Algorithms for the split variational inequality problem
Numerical Algorithms, 59(2), 301-323
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SCImago: Q2, h-index: 71, Scopus citations: 597
[Google scholar citations: 693]

94. Y. Censor, **A. Gibali**, S. Reich, S. Sabach (2012)
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Set-Valued and Variational Analysis, 20(2), 229-247
WoS: Q2, IF: 1.5, JCR citations: 90
SCImago: Q1, h-index: 47, Scopus citations: 102
[Google scholar citations: 118]

2022 Five-year Impact Factor unless otherwise stated

D. Articles in Refereed Journals (ranked by either WoS or SCImago), contd.

Published

95. Y. Censor, **A. Gibali**, S. Reich (2012)
A von Neumann alternating method for finding common solutions to variational inequalities
Nonlinear Analysis - Theory, Methods and Applications, 75(12), 4596-4603
WoS: Q1, IF: 1.6, JCR citations: 32
SCImago: Q1, h-index: 132, Scopus citations: 36
[Google scholar citations: 46]

96. Y. Censor, **A. Gibali**, S. Reich (2011)
Strong convergence of subgradient extragradient methods for the variational inequality problem in Hilbert space
Optimization Methods and Software, 26(4-5), 827-845
WoS: Q1, IF: 2.1, JCR citations: 311
SCImago: Q1, h-index: 65, Scopus citations: 336
[Google scholar citations: 380]

97. Y. Censor, **A. Gibali**, S. Reich (2011)
The subgradient extragradient method for solving variational inequalities in Hilbert space
J. of Optimization Theory and Applications, 148(2), 318-335
WoS: Q2, IF: 1.8, JCR citations: 662
SCImago: Q1, h-index: 98, Scopus citations: 729
[Google scholar citations: 880]

98. Y. Censor, **A. Gibali** (2008)
Projections onto super-half-spaces for monotone variational inequality problems in finite-dimensional space
J. of Nonlinear and Convex Analysis, 9(3) (461-475)
WoS: Q2, IF: 0.8, JCR citations: 15
SCImago: Q3, h-index: 34
[Google scholar citations: 25]

D. Articles in Refereed Journals (non-ranked)

Accepted for publication:

*1. F. J. Aragon-Artacho, W. Cai, Y. Censor, **A. Gibali**, C. Shui, D. Torregrosa-Belen (2024)
Approaches to iterative algorithms for solving nonlinear equations with an application in tomographic absorption spectroscopy
Communications in Optimization Theory May 2024

*2. O.T. Mewomo, T.O. Alakoya, A. Taiwo, **A. Gibali** (2024)
Solving split equality equilibrium and fixed point problems in Banach spaces
Optimization Eruditorum April 2024

Published:

*3. B. Tan, A. Gibali, X. Qin (2023)
Three approximation methods for solving constraint variational inequalities and related problems
Pure and Applied Functional Analysis, 8(3), 965-986
Scopus citation: 1

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D. Articles in Refereed Journals (non-ranked), contd.

Published:

*4. **A. Gibali**, S. Sabach, S. Voldman (2020)
Non-convex split feasibility problems: Models, algorithms and theory
Open J. of Mathematical Optimization, 1, 1, 15 pages
Scopus citations: 8
[Google scholar citations: 9]

5. **A. Gibali** (2018)
A new Bregman projection method for solving variational inequalities in Hilbert spaces
Pure and Applied Functional Analysis, 3, 403-415
[Google scholar citations: 39]

6. **A. Gibali**, O. Kelis (2018)
Gradient methods for solving zero-sum linear-quadratic differential games
Applied Analysis and Optimization, 2(2), 237-252
[Google scholar citations: 2]

7. **A. Gibali** (2017)
A new split inverse problem and an application to least intensity feasible solutions
Pure and Applied Functional Analysis, 2(2), 243-258
[Google scholar citations: 93]

8. Gibali, A. Moudafi (2016)
From implicit convex feasibility to convex minimization
Trans. on Mathematical Programming and Applications, 5(1), 60-80
[Google scholar citations: 2]

9. **A. Gibali** (2015)
A new non-Lipschitzian projection method for solving variational
inequalities in Euclidean spaces
J. of Nonlinear Analysis and Optimization: Theory and Applications 6, 41-51
[Google scholar citations: 44]

10. **A. Gibali**, B. Jadamba, A.A. Khan, J. Oleksyn (2013)
Gradient and extragradient methods for an elliptic inverse problem of parameter
identification: A numerical study
Indian J. of Industrial and Applied Mathematics, 4, 33-51

E. Articles or Chapters in Scientific Books

Published

1. R.D. Millán, **A. Gibali** (2017)
Characterization of orthogonal polynomials - A new proof of Bochner's theorem
in: *Contemporary Mathematics*, 699, 87-101
Mark L. Agranovsky, Matania Ben-Artzi, Catherine Bénéteau, Lavi Karp, Dmitry
Khavinson, Simeon Reich, David Shoikhet, Gilbert Weinstein, Lawrence Zalcman (eds.)
7th Int'l. Conf. on Complex Analysis and Dynamical Systems, Nahariya, Israel
WoS: Q4, IF: 0.3 (2022)
SCImago: Q4, h-index: 21

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E. Articles or Chapters in Scientific Books

Published

2. **A. Gibali**, B. Jadamba, A.A. Khan, F. Raciti, B. Winkler (2016)
Gradient and extragradient methods for the elasticity imaging inverse problem using an equation error formulation: A comparative numerical study
in: *Nonlinear Analysis and Optimization - Contemporary Mathematics*, 659 (65-89)
Boris S. Mordukhovich, Simeon Reich, Alexander J. Zaslavski (eds.)
Proc. IMU/AMS Special Session on Nonlinear Analysis and Optimization, 16-19 June 2014, and the Workshop on Nonlinear Analysis and Optimization, 12 June 2014, Israel
American Mathematical Society
WoS: Q4, IF: 0.3 (2022)
SCImago: Q4, h-index: 21, Scopus citations: 11
[Google scholar citations: 18]

3. **Gibali**, K-H. Küfer, P. Süss (2015)
Reformulating the Pascoletti-Serafini problem as a bi-level optimization problem
Infinite Products of Operators and Their Applications
Simeon Reich, Alexander J. Zaslavski (eds.)
Contemporary Mathematics , Israel Mathematical Conf. Proc., 636, 121-129
Proc. Workshop on Infinite Products of Operators and Their Applications, Technion, Haifa, Israel, 21-24 May 2012
WoS: Q4, IF: 0.3 (2022), JCR citations: 3
SCImago: Q4, h-index: 21, Scopus citations: 4
[Google scholar citations: 8]

F. Articles in Conference Proceedings

Published

1. **A. Gibali**, T. Humphries (2017)
Superiorized polyenergetic reconstruction algorithm for reduction of metal artifacts in CT images
2017 IEEE Nuclear Science Symp. and Medical Imaging Conf. (NSS/MIC)
Atlanta, Georgia, USA, 21-28 October 2017, 1-6
Scopus citations: 2
`[Google scholar citations: 2]

I. Other Scientific Publications

a. Abstracts

*1. M. Brooke, Y. Censor, **A. Gibali**, S. Penfold, R. Schulte, F. Van den Heuvel (2020)
A flexible projection based non-convex inverse optimization algorithm for intensity modulated proton therapy
2020 Joint American Association of Physicists in Medicine and the Canadian Organization of Medical Physicists (AAPM/COMP) Meeting
Vancouver, British Columbia, 12-16 July 2020 [poster] (virtual)

2. **A. Gibali**, O. Kelis (2018)
Gradient methods For solving zero-sum linear-quadratic differential games
2nd European Conf. on Design, Modeling and Optimization (ECDMO 2018)
Krakow, Poland, 10-12 February 2018

3. **A. Gibali**, A.A. Khan, B.C. Winkler (2017)
Gradient and extragradient methods for the inverse problem of tumor identification
Joint Mathematics Meetings, Atlanta, Georgia, USA, 4-7 January 2017
[Talk cancelled due to personal reasons]

* Since last promotion

I. Other Scientific Publications

b. Pre-prints

1. **A. Gibali**, D. Shoikhet, N.N. Tarkhanov (2015)
On the convergence of continuous Newton method
Preprints Universitätsverlag Potsdam, 4(10)
[Google scholar citation: 1]