

PROF. DR. MOHAMMAD W. ALOMARI

CONTACT INFORMATION

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<https://scholar.google.com.my/citations?user=CYyG0qEAAAAJ&hl=en>

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A BRIEF INTRODUCTORY

My Ph.D. degree was awarded by the National University of Malaysia in 2011. My first job after graduation was as a lecturer at Jerash University for six months. Upon promotion to Assistant Professor, I remained with the same university for another two years. The following year, I moved to Jadara University, where I remained until 2014. Toward the end of 2014, I worked for the Irbid National University as an Assistant Professor and researcher. Beginning in 2018, I was promoted to the rank of Associate Professor and continued to teach until 2022, when I was promoted again to the rank of Full Professor. During my teaching career, I taught most undergraduate courses and four postgraduate courses. I also supervised numerous graduate students in their research projects and wrote several books, articles, and book chapters. In 2023, I moved to Jadara University and I am currently involved in several research projects and continue to lecture at Jadara University. In addition to my teaching and research activities, I have also served on various committees in the university, including the Curriculum Committee and the Research Committee. I am also an active member of several professional organizations. I am committed to continuing my work in academia and believe that I have a great deal to contribute to the field. I am motivated to stay in academia and contribute to the field through my knowledge and experience. I am eager to continue to develop my skills and collaborate with others to make a difference in the world.

ACADEMIC DEGREE

Ph.D in Mathematics.

ACADEMIC RANK

Full Professor of Mathematics.

MAJOR

Mathematical Analysis.

RESEARCH INTERESTS

Mathematical inequalities, Approximations and Expansions, Quadrature rules, Theory of real and complex functions, Hilbert space.

OTHER INTERESTS Umbral Calculus, Special functions, Ordinary differential equations, Mathematical means, Solving mathematical problems.

AUTHOR IDS **Web of Science: E-8770-2010** — **Scopus: 24467708100** — **ORCID: 0000-0002-6696-9119**

AUTHOR *h*-INDEX The largest number **h** such that **h** publications have at least **h** citations
Web of Science: **12** — Scopus: **12** — Google Scholar: **25** — Researchgate (RG): **25**.

i10-INDEX Google Scholar: The number of publications with at least 10 citations is **42**.

SUM OF TIMES CITED Web of Science: **839** — Scopus: **718** — Google Scholar: **2962** — Researchgate (RG): **2903**.

NUMBER OF PUBLICATIONS Web of Science: **65** — Scopus: **60** — Google Scholar: **127** — Researchgate (RG): **190**.

ACADEMIC EXPERIENCE

Full Professor, Jadara University, Jordan.	Oct. 2023 – Present.
Full Professor, Irbid National University, Jordan.	Feb. 2022 – Aug. 2023.
Associate Professor, Irbid National University, Jordan.	Jan. 2018 – Feb. 2022.
Assistant Professor, Irbid National University, Jordan.	Sep. 2014 – Aug. 2023.
Assistant Professor, Jadara University, Jordan.	Oct. 2013 – Sep. 2014.
Assistant Professor, Jerash University, Jordan.	Oct. 2011 – Sep. 2013.
Lecturer, Jerash University, Jordan.	Feb. 2011 – Sep. 2011.
Universiti Kebangsaan Malaysia, Graduate Student Ph.D and Masters level coursework and research/consulting projects.	July, 2006 - January 2011

TAUGHT COURSES **Undergraduate level course (B.Sc.)** I Taught most of undergraduate courses many times as a Principal Instructor, including:

- Calculus.
- Logic and Set Theory.
- Mathematical Methods.
- Special Functions.
- Numerical Analysis.

- Topology.
- Linear Algebra.
- Ordinary Differential Equations.
- Partial Differential Equations.
- Complex Analysis.
- Real Analysis.

Graduate level course (M.Sc.) I Taught four graduate level courses, including:

- Measure Theory and Integration.
- Advanced Complex Analysis.
- Ordinary Differential Equations.
- Advanced Numerical Analysis.

EDUCATION

Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia.

(1) PhD in Mathematics, 2011.

- Dissertation Title: “Several inequalities of Hermite–Hadamard, Ostrowski and Simpson type for s -convex, quasi-convex and r -convex mappings with some applications.”
- Dissertation Topic: “Inequalities and Approximations”.
- Advisor: Professor Maslina Darus.

(2) M.Sc., Mathematics, 2007.

- Dissertation Title: “New method to evaluate certain classes of infinite series and infinite products with analytic functions.”
- Dissertation Topic: “Analytic functions of complex variables”
- Advisor: Professor Maslina Darus.

Yarmouk University, Irbid, Jordan.

(3) B.Sc., Mathematics, 2006.

MEMBERSHIP & REVIEWER

- A member of the American Mathematical Society (AMS), 2019–present. www.ams.org
- A member of the European Mathematical Society (EMS), 2018–2022. <https://euromathsoc.org>
- **Reviewer** of Mathematical Reviews since 2011, (Reviewer Number: 077020).
- **Reviewer** of Zentralblatt MATH Reviews since 2016, (Reviewer Number: 16125).

LANGUAGE(S)

Arabic (Native), English (Fluent).

COMPUTER SKILLS

Microsoft Windows, Microsoft office, LaTeX, Maple, E-learning (Microsoft 365, Moodle).

AWARDS
AND FUNDS

- Outstanding Researcher Award, Irbid National University, Jordan, 2021.
 - Listed on No. 6 in the list of “*The most influential Mathematical researchers in Jordan*”. The general rank up to all Majors is 63 including Health, Medical, Engineering, Physical and Social Sciences, University of Jordan, March, 2019.
 - Full financial PhD research support and fund, Universiti Kebangsaan Malaysia, Faculty of Science and Technology, grant No.: UKM-GUP-TMK-07-02-107, 2-years, Jan., 2008–Dec., 2009.
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ADMINISTRATIVE
AFFAIRS

- Board Member Committee of Faculty of Science and Information Technology, Irbid National University.
 - Member of Scientific Journals Accreditation Committee, Deanship of Scientific Research, Irbid National University.
 - Member of Scientific Research Committee, Deanship of Scientific Research, Irbid National University.
 - Member of Scientific Research Committee, Department of Mathematics, Irbid National University.
 - Member of Course Equivalency Committee, Department of Mathematics, Irbid National University.
 - Member of The Study Plan Preparation Committee, Department of Mathematics, Irbid National University.
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EDITORIAL
BOARDS

Member of editorial board including the following journals:

- Mathematical Problems in Engineering-Hindawi (MPE).
 - Journal of Mathematics-Hindawi (JM).
 - Advances in Mathematical Physics-Hindawi (AMP).
 - Journal of Mathematics and Statistics Research (JMSR).
 - Cogent Mathematics & Statistics (Cogent MS).
 - Turkish Journal of Science (TJS).
 - Eastern Anatolian Journal of Science.
 - Turkish Journal of Inequalities (TJI).
 - Journal of Advances in Mathematics (JAM).
 - Konuralp Journal of Mathematics (KJM).
-

Referee of several international mathematical journals -but not limited to- including:

- Journal of Inequalities & Applications (JIA).

- Linear & Multilinear Algebra (LMA).
 - Journal of Mathematical Inequalities (JIM).
 - Mathematics-MDPI
 - International Journal of Mathematical Education in Science and Technology
 - Kragujevac Journal of Mathematics (KJM).
 - Journal of Mathematical Analysis and Applications (JMAA).
 - Applied Mathematics and Computation (AMC).
 - Journal of Computational and Applied Mathematics (CAM).
 - Advances in Operator Theory (AOT).
 - Journal of Mathematical Sciences (JMS).
 - International Journal of Analysis (IJA).
 - AIMS Mathematics.
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BOOKS PROJECT

- A Journey To Modern Inequalities, (In preparation).

Book page: <https://www.researchgate.net/project/A-Journey-to-Modern-Inequalities>

- The Two Inequalities of Chebyshev, A Survey of Old and New Results, (In preparation).
- Fundamental Mathematical Inequalities, (In preparation).
- Calculus of Lebesgue Integrals: Computational Approach, (In preparation).

Book page: <https://www.researchgate.net/project/Calculus-of-Lebesgue-Integrals>

SUPERVISIONS

1. A co-advisor for a Ph.D student *Ahmet Ocak Akdemir*, Atatürk University, Turkey (Prof. M. Emin Özdemir his principal supervisor), 2012.
 2. Advisor for a M.Sc. Student *Hassan Albrakat*, Irbid National University, Jordan, 2019.
 3. Advisor for a M.Sc. Student *Thabet Taher Ali*, Irbid National University, Jordan, 2020.
 4. Advisor for a M.Sc. Student *Amen F. Qassem*, Irbid National University, Jordan, 2020.
-

SCIENTIFIC COMMITTEE MEMBER

A Member of Discussion Committee of Master Dissertations:

1. Numerical quadrature rules using Hermite interpolation polynomials, Irbid National University, Jordan, 2020. (Chair).
2. Expansion of real functions in Bivariate kind of Bernoulli and Euler polynomials and applications to quadrature rules, Irbid National University, Jordan, 2020. (Chair)
3. Tests of convergence of double sequence and series of real numbers and functions, Irbid National University, Jordan, 2019. (Chair)

4. Numerical radius inequalities, Irbid National University, Jordan, 2020. (Internal Examiner).
 5. p -Groups and Sylow Theorems, Irbid National University, Jordan, 2019. (Internal Examiner).
 6. Maximum Principles of Differential Equations for Parabolic Operators, Irbid National University, Jordan, 2019. (Internal Examiner).
 7. Functions of Matrices, Irbid National University, Jordan, 2019. (Internal Examiner).
 8. Residual power series method for solving initial value problems, Irbid National University, Jordan, 2019. (Internal Examiner).
 9. Monotone matrix functions, Irbid National University, Jordan, 2019. (Internal Examiner).
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REFERENCES

- Prof. Dr. Maslina Darus (Full Professor in Complex Analysis), School Of Mathematical Sciences, Universiti Kebangsaan Malaysia, UKM, Bangi, 43600, Selangor, Malaysia. (Advisor)
e-mail: maslina@ukm.edu.my
- Prof. Dr. Fuad Kittaneh (Full Professor in Operator Theory), Department of Mathematics, University of Jordan, Amman, Jordan.
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- Prof. Dr. Sever S. Dragomir (Full Professor & Chair in Mathematical Inequalities), Head of Department of Mathematics, School of Engineering & Science, Victoria University, P.O. Box 14428, Melbourne City, MC 8001, Australia. (Indirect Advisor)
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- Prof. Dr. Gradimir V. Milovanović (Full Professor in Approximation Theory), Mathematical Institute, Serbian Academy of Sciences and Arts, Kneza Mihaila 36, 11000 Beograd, Serbia.
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- Prof. Dr. Ana Maria Acu (Full Professor in Approximation Theory), Lucian Blaga University of Sibiu, Department of Mathematics and Informatics, Str. Dr. I. Ratiu, No.5-7, RO-550012 Sibiu, Romania.
e-mail: anamaria.acu@ulbsibiu.ro
- Prof. Dr. Mowaffaq Hajja (Full Professor in Algebra -Retired-), Department of Mathematics, Yarmouk University, Irbid, Jordan.
e-mail: mowhajja@yahoo.com

2023

1. **M.W. Alomari**, M. Hajmohamadi, M. Bakherad, Norm-parallelism of Hilbert space operators and the Davis–Wielandt Berezin number, *Journal of Mathematical Inequalities*, accepted.
2. **M.W. Alomari**, M. Hajmohamadi, M. Bakherad, C. Chesneau, V. Leiva and C.M. Barreiro, Improvement of Furuta’s inequality with applications to numerical radius, *Mathematics*, (MDPI), **11** (2023), 36.
3. **M.W. Alomari**, On the Davis–Wielandt radius inequalities of Hilbert space operators, *Linear and Multilinear Algebra*, 71 (11) (2023), 1804–1828.

2022

4. **M.W. Alomari**, C. Chesneau, A. Al-Khasawneh, Operator Jensen’s inequality for operator superquadratic functions, *Axioms* (MDPI), **11** (11) (2022), 617.
5. M. Kian and **M.W. Alomari**, Improvements of trace inequalities for convex functions, *Annals of Functional Analysis*, **13** (2022), Article number: 64.
6. M. Gürdal and **M.W. Alomari**, Improvements of some Berezin radius inequalities, *Constructive Mathematical Analysis*, **5** (3) (2022), 141–153.
7. **M.W. Alomari**, G. Bercu and C. Chesneau, On the Dragomir extension of Furuta’s inequality and Numerical radius, *Symmetry* (MDPI), **14** (7) (2022), 1432.
8. **M.W. Alomari**, C. Chesneau, V. Leiva and C.M. Barreiro, Improvement of some Hayashi–Ostrowski type inequalities with applications in a probability setting, *Mathematics* (MDPI), **10** (13) (2022), 2316.
9. **M.W. Alomari**, K. Shebrawi and C. Chesneau, Some generalized Euclidean operator radius inequalities, *Axioms* (MDPI), **11** (6) (2022), 285.
10. **M.W. Alomari** and C. Chesneau, Bounding the zeros of polynomials using the Frobenius companion matrix partitioned by the Cartesian decomposition, *Algorithms* (MDPI), **15** (6) (2022), 184.
11. **M.W. Alomari**, C. Chesneau and V. Leiva, Grüss type inequalities for vector-valued functions, *Mathematics* (MDPI), **10** (9) 2022, 1535.
12. **M.W. Alomari** and C. Chesneau, On h -superquadratic functions, *Afrika Matematika*, **33** (2022), Article number: 41.
13. **M.W. Alomari**, On Cauchy–Schwarz type inequalities and applications to numerical radius inequalities, *Ricerche di Matematica*, (2022), <https://doi.org/10.1007/s11587-022-00689-2>
14. **M.W. Alomari** and M.K. Bakula, An application of Hayashi’s Inequality for Differentiable functions, *Mathematics* (MDPI), **10** (6) (2022): 907.
15. **M.W. Alomari**, Improvements of some numerical radius inequalities, *Azerbaijan Journal of Mathematics*, **12** (1), (2022), 124–137.
16. **M.W. Alomari**, An inequality of Simpson’s type Via Quasi-Convex Mappings with Applications, *Innovative Journal of Mathematics* **1** (1) (2022), 45–51.
17. **M.W. Alomari**, Inequalities for Riemann–Stieltjes integral, *International Journal of Emerging Multidisciplinaries: Mathematics*, **1** (1) (2022), 12–16.
18. **M.W. Alomari**, S. Sahoo and M. Bakherad, Further numerical radius inequalities, *Journal of Mathematical Inequalities*, **16** (1):307–326
19. F. Chien, M. Bakherad and **M.W. Alomari**, Refined Berezin number inequalities via superquadratic and convex functions, *Filomat*, in press.

2021

20. **M.W. Alomari**, Numerical radius inequalities for Hilbert space operators, *Complex Analysis and Operator Theory*, **15** (4), (2021) Article 111.
 21. **M.W. Alomari**, Popoviciu's type inequalities for h -MN-convex functions, *e-Journal of Analysis and Applied Mathematics*, accepted.
 22. **M.W. Alomari**, Some numerical radius inequalities for the Čebyšev functional and non-commutative Hilbert space operators, *Khayyam J. Math.*, **7** (1) (2021), 96–108.
 23. M.T. Garayev and **M.W. Alomari**, Inequalities for the Berezin number of operators and related questions, *Complex Analysis and Operator Theory*, **15**, Article No. 30, (2021).
 24. **M.W. Alomari**, Refinements of some numerical radius inequalities for Hilbert space operators, *Linear and Multilinear Algebra*, **69** (7) (2021), 1208–1223.
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2020

25. **M.W. Alomari**, A generalization of weighted companion of Ostrowski integral inequality for mappings of bounded variation, *International Journal of Nonlinear Sciences and Numerical Simulation*, **21** (7-8) (2020), 667–673.
 26. **M.W. Alomari**, On the generalized mixed Schwarz inequality, *Proceedings of the Institute of Mathematics and Mechanics*, National Academy of Sciences of Azerbaijan, **46** (1) (2020), 3–15.
 27. **M.W. Alomari**, Sharp Wirtinger's type inequalities for double integrals with applications, *Novi Sad J. Math.*, **50** (1) (2020), 1–16.
 28. **M.W. Alomari**, Two-point Ostrowski and Ostrowski–Grüss type inequalities with applications, *The Journal of Analysis*, **28** (3) (2020), 623–661.
 29. **M.W. Alomari**, Bounds for the difference between two Čebyšev functionals, *Afrika Matematika*, **31**(3-4) (2020), 539–556.
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2019

30. **M.W. Alomari**, Some properties of h -MN-convexity and Jensen's type inequalities, *Journal of Interdisciplinary Mathematics*, **22** (8) (2019), 1349–1395.
 31. **M.W. Alomari**, A weighted companion of Ostrowski–Midpoint inequality for mappings of bounded variation, *Konuralp J. Math.*, **7** (2) (2019) 337–343.
 32. **M.W. Alomari**, New upper and lower bounds for the trapezoid inequality of absolutely continuous functions and applications, *Konuralp J. Math.*, **7** (2) (2019) 319–323.
 33. **M.W. Alomari**, A note on h -convex functions, *e-Journal of Analysis and Applied Mathematics*, **1** (2019) 55–67.
 34. **M.W. Alomari**, Mean-value theorems in hypercuboid, *Commun. Optimization Theory*, Vol. 2019 (2019), Article ID 6, pp. 1–11.
 35. **M.W. Alomari**, Operator Popoviciu's inequality for superquadratic and convex functions of selfadjoint operators in Hilbert spaces, *Advan. Pure Appl. Math.*, **10** (4) (2019), 313–324.
 36. **M.W. Alomari**, On Pompeiu-Chebyshev functional and its generalization, *Results in Mathematics*, **74** (1) (2019), Article 56.
 37. **M.W. Alomari**, The Hermite–Hadamard inequality on hypercuboid, *Journal of Advances in Mathematics*, **16** (2019), 8234–8246.
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2018

38. **M.W. Alomari**, Two-point quadrature rules for Riemann–Stieltjes integrals with L^p -error estimates, *Moroccan J. Pure & Appl. Anal.* (MJPAA), 4 (2) (2018), 94–110.
 39. **M.W. Alomari**, q -Bernoulli inequality, *Turkish J. Sci.*, 3 (1) (2018), 32–39.
 40. **M.W. Alomari** and A. Guessab, L^p -error bounds of two and three-point quadrature rules for Riemann–Stieltjes integrals, *Moroccan J. Pure & Appl. Anal.* (MJPAA), 4 (1) (2018), 33–43.
 41. **M.W. Alomari**, On Pompeiu–Čebyšev type inequalities for positive linear maps of self-adjoint operators in inner product spaces, *Journal of Advances in Mathematics*, 15 (2018), 8081–8092.
 42. **M.W. Alomari**, Mercer’s inequality for h -convex functions, *Turkish J. Ineq.*, 2 (1) (2018), 38–41.
 43. **M.W. Alomari**, Pompeiu–Čebyšev type inequalities for selfadjoint operators in Hilbert spaces, *Adv. Oper. Theory*, 3 no. 3 (2018), 9–22.
 44. **M.W. Alomari** and S.S. Dragomir, A three-point quadrature rule for the Riemann–Stieltjes integral, *Southeast Asian Bulletin Journal of Mathematics*, 42 (1) (2018), 1–14.
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2017

45. **M.W. Alomari** and M.M. Almahameed, Ostrowski’s type inequalities for functions whose first derivatives in absolute value are MN-convex, *Turkish J. Ineq.*, 1 (1) (2017), Pages 53–77.
 46. **M.W. Alomari**, Two-point Ostrowski’s inequality, *Results in Mathematics*, 72 (3), 1499–1523.
 47. **M.W. Alomari**, S. Hussain and Z. Liu, Some Steffensen’s type inequalities, *Advances in Pure and Applied Mathematics*, 8 (3) (2017), 219–226.
 48. **M.W. Alomari**, On Beesack–Wirtinger inequality, *Results in Mathematics*, 72 (3) (2017), 1213–1225.
 49. **M.W. Alomari**, A generalization of Hermite–Hadamard’s inequality, *Kragujevac J. Math.*, 41(2) (2017), 313–328.
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2016

50. **M.W. Alomari**, A sharp companion of Ostrowski’s inequality for the Riemann–Stieltjes integral and applications, *Ann. Univ. Paedagog. Crac. Stud. Math.*, 15 (2016), 69–78.
 51. **M.W. Alomari**, Bounds for the weighted Dragomir–Fedotov functional, *Moroccan J. Pure & Appl. Anal.* (MJPAA), 2 (2) (2016), 65–78.
 52. **M.W. Alomari**, New inequalities of Grüss–Lupaş type and applications to selfadjoint operators, *Armen. J. Math.*, 8 (1) (2016), pp. 25–37.
 53. **M.W. Alomari**, Two-dimensional Pompeiu’s mean value theorems and related results, *J. Nonlinear Funct. Anal.*, 2016 (2016), Article ID 8.
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2014

54. **M.W. Alomari**, Approximating the Riemann–Stieltjes integral by a three-point quadrature rule and applications, *Konuralp J. Math.*, 2 (2) (2014), 22–34.
55. **M.W. Alomari**, New Čebyšev type inequalities and applications for functions of selfadjoint operators on complex Hilbert spaces, *Chinese J. Math.*, Volume 2014, Article ID 363050, 10 pages.

56. **M.W. Alomari**, Difference between two Stieltjes integral means, *Kragujevac J. Math.*, 38(1) (2014), 35–49.
 57. **M.W. Alomari** and S.S. Dragomir, Various error estimations for several Newton–Cotes quadrature formulae in terms of at most first derivative and applications in numerical integration, *Jordan J. Math. & Stat.*, 7(2) 2014, 89–108.
 58. **M.W. Alomari**, A companion of Grüss type inequality for Riemann–Stieltjes integral and applications, *Matematički Vesnik*, 66 (2) (2014), 202–212.
 59. **M.W. Alomari**, New Grüss type inequalities for double integrals, *Appl. Math. Comp.*, 228 (2014) 102–107.
 60. **M.W. Alomari** and S.S. Dragomir, New Grüss type inequalities for Riemann–Stieltjes integral with monotonic integrators and applications, *Ann. Funct. Anal.*, 5 (2014), no. 1, 77–93.
 61. **M.W. Alomari** and S.S. Dragomir, Some Grüss type inequalities for the Riemann–Stieltjes integral with Lipschitzian integrators, *Konuralp J. Math.*, 2 (1) 2014, 36–44.
-

2013

62. **M.W. Alomari**, New inequalities of Steffensen’s type for s -convex functions, *Afrika Matematika*, (2013), doi: 10.1007/s13370-013-0175-1.
 63. **M.W. Alomari**, A companion of the generalized trapezoid inequality and applications, *Journal of Math. Appl.*, 36 (2013), 5–15.
 64. **M.W. Alomari**, A sharp bound for the Čebyšev functional of convex or concave functions, *Chinese J. Math.*, Volume 2013, Article ID 295146, 3 pages.
<http://dx.doi.org/10.1155/2013/295146>.
 65. **M.W. Alomari** and S.S. Dragomir, Mercer-Trapezoid rule for Riemann–Stieltjes integral with applications, *Journal of Advances in Mathematics*, 2 (2) (2013), 67–85.
 66. **M.W. Alomari**, S.S. Dragomir and U.S. Kirmaci, Generalizations of the Hermite–Hadamard type inequalities for functions whose derivatives are s -convex, *Acta et Commentationes Universitatis Tartuensis de Mathematica*, 17 (2) (2013), 157–169.
 67. **M.W. Alomari**, A companion of Ostrowski’s inequality for the Riemann–Stieltjes integral $\int_a^b f(t)du(t)$, where f is of bounded variation and u is of r - H -Hölder type and applications, *Appl. Math. Comput.*, 219 (2013), 4792–4799.
 68. **M.W. Alomari**, New sharp inequalities of Ostrowski and generalized trapezoid type for the Riemann–Stieltjes integrals and applications, *Ukrainian Mathematical Journal*, 65 (7) (2013), 895–916.
 69. S. Hussain and **M.W. Alomari**, Weighted Ostrowski and Čebyšev type inequalities and applications, *Konuralp J. Math.*, 1 (2) (2013), 1–16.
 70. **M.W. Alomari** and Z. Liu, New error estimations for the Milne’s quadrature formula in terms of at most first derivatives, *Konuralp J. Math.*, 1 (1) (2013), 17–23.
 71. **M.W. Alomari** and S. Hussain, An inequality of Ostrowski’s type for preinvex functions with applications, *Tamsui Oxford J. Math. Sci.*, 29 (1) (2013), 29–37.
-

2012

72. **M.W. Alomari**, A generalization of companion inequality of Ostrowski's type for mappings whose first derivatives are bounded and applications and in numerical integration, *Trans. J. Math. Mech.*, 4(2) (2012), 103–109.
 73. **M.W. Alomari**, Bounds for the Riemann–Stieltjes integral via s -convex integrand or integrator, *Acta et Commentationes Universitatis Tartuensis de Mathematica*, 16 (2) (2012), 1–9.
 74. **M.W. Alomari**, M.E. Özdemir and H. Kavurmaci, On companion of Ostrowski inequality for mappings whose first derivatives absolute value are convex with applications, *Miskolc Mathematical Notes*, 13 (2) (2012), 233–248.
 75. M.A. Latif, **M.W. Alomari**, and S. Hussain, On Ostrowski-type inequalities for functions whose derivatives are m -convex and (α, m) -convex functions with applications, *Tamkang J. Math.*, 43 (4) (2012), 521–532.
 76. **M.W. Alomari**, On approximation of the Riemann–Stieltjes integral and applications, *Publications de l'Institut Mathématique*, 92 (106) (2012), 145–156.
 77. **M.W. Alomari**, A companion of Dragomir's generalization of Ostrowski's inequality and applications in numerical integration, *Ukrainian Mathematical Journal*, 64 (4) (2012), 491–510.
 78. **M.W. Alomari**, A companion of Ostrowski's inequality for mappings whose first derivatives are bounded and applications in numerical integration, *Kragujevac Journal of Mathematics*, 36 (2012), 77–82.
 79. **M.W. Alomari**, Some Grüss type inequalities for Riemann-Stieltjes integral and applications, *Acta Mathematica Universitatis Comenianae*, 81 (2) (2012), 211–220.
-

2011

80. **M.W. Alomari**, A companion of Ostrowski's inequality with applications, *Trans. J. Math. Mech.*, (TJMM), 3 (2011), 9–14.
 81. **M. Alomari**, M. Darus and U.S. Kirmaci, Some inequalities of Hermite-Hadamard type for s -convex functions, *Acta Mathematica Scientia*, 2011, 31 B(4) : 1643–1652.
 82. S. Hussain, M.A. Latif and **M. Alomari**, Generalized double integral Ostrowski type inequality on time scale, *Appl. Math. Lett.*, 24 (8) (2011), 1461–1467.
 83. **M. Alomari** and S. Hussain, Two inequalities of Simpson type for quasi-convex functions and applications, *Appl. Math. E-Notes*, 11 (2011) 110–117.
 84. M.E. Özdemir, E. Set and **M. Alomari**, Integral inequalities via several kind of convexity, *Creative Mathematics and Informatics*, 20 (2011), 62–73.
-

2010

85. **M. Alomari** and M. Darus, On some inequalities of Simpson-type via quasi-convex functions and applications, *Trans. J. Math. Mech.*, (TJMM), 2 (2010), 15–24.
86. **M. Alomari**, M. Darus and S.S. Dragomir, New inequalities of Hermite-Hadamard type for functions whose second derivatives absolute values are quasi-convex, *Tamkang J. Math.*, 41 (2010), 353–359.
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88. **M. Alomari**, M. Darus, S.S. Dragomir and U. Kirmaci, On fractional differentiable s -convex functions, *Jordan J. Math and Stat.*, (JJMS), 3 (1) (2010), 33–42.
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MANUSCRIPTS
AND PREPRINTS

I have already finished more than 40 preprints, drafts and monographs (Here just a sample). Some of them are already submitted for possible publication, however, most of the rest are still unpublished. Here is a sample of these works. You may find these works as preprint(s) on arxiv.org.

- 2022
1. Generalized Euclidean operator radius I, (together with M. Sababheh, C. Conde, H.R. Moradi), submitted, <https://arxiv.org/abs/2211.00290v1#>
 2. Generalized Euclidean operator radius II, (together with M. Sababheh, C. Conde, H.R. Moradi), In preparation.
 3. On Some Inequalities for the generalized Euclidean operator radius, submitted.
 4. Mercer-Popoviciu operator inequality and some related results, In preparation.
 5. A generalization of Euclidean Hilbert-Schmidt operator radius, submitted.
 6. On q -Young inequality and its reverse, In preparation.
 7. Multivariable q -calculus, In preparation.
 8. Refinements inequalities for the Berezin number, In preparation.
 9. Refinements of the Euclidean operator radius and Davis–Wielandt radius type inequalities, In preparation.
 10. Generalized Euclidean operator radius inequalities for $n \times n$ operator matrices, In preparation.
 11. A generalization of Berezin Number, In preparation.
 12. A complex version of Pompeiu’s mean-value theorem, In preparation.
 13. On Pompeiu–Flett’s mean-value theorem, In preparation.
- 2020
14. The generalized Schwarz inequality for semi-Hilbertian space operators and Some A -numerical radius inequalities, Preprint, 2018.
- 2018
15. Another proof of Dini’s theorem, Preprint, 2018.
 16. Expansion of real functions in terms of some orthogonal polynomials, Preprint, 2018.
 17. A general two-point formula, Preprint, 2018.
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- 2017
18. On Alzer’s inequality, Preprint, 2017.
 19. Generalizations of Guessab-Schmeisser formula via Fink type identity with applications to quadrature rules, Preprint, 2017.
 20. On two inequalities of Čebyšev, Preprint 2017.
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- 2016
21. L_p -Bounds for the Čebyšev functional, Preprint, 2016.
 22. Grüss type inequalities for matrix functions with applications to matrix means, (draft) 2016. (With A. Guessab)
 23. A multidimensional version of Beesack–Darst–Pollard inequality for Riemann–Stieltjes integral, (manuscript) 2016.
 24. A perturbed Milne’s quadrature rule for n -times differentiable functions, (manuscript) 2016. (With A.-M. Acu)
 25. On comparing two integral means, Preprint, 2016.
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- 2015
26. Error estimations of general corrected five-point quadrature rules of Newton–Cotes type, (manuscript) 2015.
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CONFERENCES AND
SEMINARS

1. Invited speaker and principal presenter at the International Workshop on Functional Analysis and Topological Structure, Department of Mathematics, Faculty of Mathematics, University of Sistan and Baluchestan, Zahedan, I.R.Iran., May, 2022.
 2. Invited speaker and principal presenter at the seminar: Refined complex variables: General thoughts, Ideas and Introduction. Organized by the Department of Mathematics & Statistics - Faculty of Science-Mutah University, Jordan, April, 2021.
 3. A presentator at the International Conference: Mathematical Modeling with Applications, Mohammed V University, Rabat, University, April, 2019.
 4. Seminar on Ostrowski type inequalities with applications, at Universiti Kebangsaan Malaysia, May, 2010.
 5. Workshop: Symposium on Geometric Function Theory and its Applications, at Universiti Kebangsaan Malaysia during, October, 7-8, 2009.
 6. Workshop: Symposium on Geometric Function Theory and its Applications, at Universiti Kebangsaan Malaysia during, August, 2008.
 7. Presenter in the International Symposium on Geometric Function Theory and its Applications (GFTA 2008), at Universiti Kebangsaan Malaysia, Nov., 10-13, 2008.
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