



Prof. Gharib Mousa Ibrahim Gharib

ggharib@zu.edu.jo Gharibmusa@gmail.com

General Major/ Specialization

Mathematics/ Integro - differential eq.(Partial DE)

Academic Rank: Professor of Mathematics.

Qualifications:

| 1 | Ph.D. in Applied Mathematics , Mathematics Department, Faculty of Science, Byelorussian State University 1988-1991 Thesis title " Geometry of Non-Bending Form of Thin-Walled Sloping Shell Structures " |
|----|--|
| .2 | M. Sc. in Mathematics, Mathematics Department, Faculty of Science, Byelorussian State University 1982-1988 Thesis title " Some Inverse Problem of Moment less Shallow Shell's Theory of Translation" |

Teaching Experience:

| 1 | At 1/2/1993 | 12/8/1999 | Applied Science University | |
|---|--------------|--------------|----------------------------|--|
| 2 | At 13/8/1999 | To 2/9/ 2012 | Tabuk University | |
| 3 | At 2/9/2012 | To now | Zarqa University | |





Publications:

| # | Title | Publisher | Year/ Issue (Vol/No) |
|----|--|--|----------------------------|
| | | | |
| 62 | Orangutan Optimization Algorithm: An Innovative Bio-Inspired Metaheuristic Approach for Solving Engineering Optimization Problems | International Journal of Intelligent Engineering and Systems | 1/2025 |
| 61 | Cryptanalysis of A New Method of Cryptography Using GMS Integral Transform Trigonometric | The 3rd International Conference on Mathematics and Artificial Intelligence November 10-14, 2024, Antalya-Turkey | Acceptance 2024 |
| 60 | Equations | Tithe Buch InterNational IOdifferentiat on Mathematics and Artificial Intelligence November 10-14, 2024, Antalya-Turkey | Acceptance 2024 |
| 59 | Exploration of New Classes of Bi- univalent Functions Defined by the Subordination Principle Using q- Gegenbauer Polynomials | Springer Proceedings in Mathematics and Statistics, 2024, 466, pp. 343–355 | 2024 |
| 58 | A Certain Subclass of Analytic Functions Related to Calculus and Their Second Hankel Determinant | Springer Proceedings in Mathematics and Statistics, 2024, 466, pp. 325–333 | 2024 |
| 57 | Using Modified Atomic Solution Method to Solve Nonhomogeneous Fractional PDE | Springer Proceedings in Mathematics and Statistics, 2024, 466, pp. 133–146 | 2024 |
| 56 | The Integral Transform "GALM" and Its Applications on Partial Differential Equations | The First Jadara International Conference on Mathematical Sciences (JICMS24) | Acceptance 2024 |
| 55 | The Optical Model Absorption Term in the Frame of Fractional Derivatives | Atoms/ MDPI, Atoms 2024, 12, 37. https://doi.org/10.3390/atoms1207 0037 | 2024 |
| 54 | New Two Parameter Integral Transform "MAHA Transform" and its Applications in Real Life | WSEAS TRANSACTIONS on MATHEMATICS DOI: 10.37394/23206.2024.23.56 | 2/9/2024 |
| 53 | Steps of Exact and Analytic Solutions of Ordinary Differential Equations using | WSEAS Transactions on Mathematics. | 2024 Acceptance |







| | MAHA Integral Transform and its Applications | | |
|----|---|---|------------|
| 52 | New algebraic approach towards interval-valued neutrosophic cubic vague set based on subbisemiring over bisemiring | International Journal of Neutrosophic ScienceThis link is disabled., 2024, 23(4), pp. 277–291 | 2024 |
| 51 | Conformable Triple Sumudu Transform with Applications | WSEAS Transactions on Mathematics,2024, 23, pp. 42–50 | 2024 |
| 50 | On Chaos and Complexity Analysis for a New Sine-Based Memristor Map with Commensurate and Incommensurate Fractional Orders | Mathematics | 16/10/2023 |
| 49 | Novel Approach to Multi-Criteria Decision-Making Based on the n,mPR- Fuzzy Weighted Power Average Operator | Symmetry | 21/8/2023 |
| 48 | On Ikeda-Based Memristor Map with Commensurate and Incommensurate Fractional Orders: Bifurcation, Chaos, and Entropy | fractal and fractional | 1/10/2023 |
| 47 | The New Four-Dimensional Fractional Chaotic Map with Constant and Variable-Order: Chaos, Control andSynchronization | Mathematics | 18/10/2023 |
| 46 | Bifurcation, Hidden Chaos, Entropy and Control in Hénon-Based Fractional Memristor Map with Commensurate and Incommensurate Orders | Mathematics | 5/10/2023 |
| 45 | On Stability of a Fractional Discrete Reaction–Diffusion Epidemic Model | fractal and fractional | 2/10/2023 |
| 44 | Coefficient estimation utilizing Faber polynomial for a subfamily of bi-univalent functions | Axioms | 24/5/2023 |
| 43 | The n-Point Composite Fractional Formula for Approximating Riemann– Liouville Integrator | Symmetry | 23/2/2023 |



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| 42 | A Generalization of Gegenbauer Polynomials and Bi-Univalent Functions | Axioms | 28/1/2023 |
|----|---|--|--------------------------|
| 41 | Double Formable Integral Transform for Solving Heat Equations | Symmetry | 12/1/ 2023 |
| 40 | SOLVING THE FRACTIONAL NEWELL-WHITEHEAD EQUATION BY ATOMIC SOLUTION METHOD | WSEAS Transactions on Mathematics | 16/2/2023 |
| 39 | FIXED POINT THEOREMS FOR MONOTONE MAPPINGS ON PARTIAL M*-METRIC SPACES | ITALIAN JOURNAL OF PURE AND APPLIED MATHEMATICS | 2023 V: 49. P 154-172 |
| 38 | Using Medfield Atomic Solution Method to Solve Nonhomogeneous Fractional PDE | Springer Proceedings in Mathematics & Statistics, | 2023 |
| 37 | Book : Mathematics and Computation IACMC 2022, Zarqa, Jordan, May 11–13 ISBN 978-981-99-0447-1 (eBook) https://doi.org/10.1007/978-981-99- 0447-1 | Springer Proceedings in Mathematics & Statistics Volume 418 | 3/6/2023 |
| 36 | Solving Non-linear Fractional Coupled Burgers Equation by Sub-equation Method | Springer Proceedings in Mathematics & Statistics 418, https://doi.org/10.1007/978-981- 99-0447-1_32 | 3/6/2023 |
| 35 | Using Atomic Solution Method to Solve the Fractional Equations | Springer Proceedings in Mathematics & Statistics 418, https://doi.org/10.1007/978-981- 99-0447-1_10 | 3/6/2023 |
| 34 | Applications on Formable Transform in Solving Integral Equations | Springer Proceedings in Mathematics & Statistics 418, https://doi.org/10.1007/978-981- 99-0447-1_4 | 3/6/2023 |
| 33 | A COMMON FIXED POINT THEOREM IN M_DMETRIC SPACE AND AN APPLICATION | Nonlinear Functional Analysis and Applications | 2022 |
| 32 | Reduction of the self-dual Yang-Mills equations to sinh-poisson equation and exact solutions | WSEAS TRANSACTIONS on MATHEMATICS | 2021 |
| 31 | Exact Solution forSawada–KoteraEquationUsingBacklan | Advances in Mathematics: Scientific Journal | 2021 |



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| | Transformations and Travelling Wave Solutions | 2021 | |
|----|--|--|--------------------|
| 30 | A Mathematical Proposed Model for Public key encryption Algorithms in Cybersecurity | Advances in Mathematics: Scientific Journal | 2021 |
| 29 | Comparison among Some Methods for Estimating the Parameters of Truncated Normal Distribution | Journal of Advances in Mathematics | 2021 |
| 28 | Conserved quantities and fluxes for some nonlinear evolution equations | WSEAS TRANSACTIONS on MATHEMATICS | 2020 |
| 27 | Pseudo-spherical Surfaces of a Constant Negative Curvature | Book Publisher International | 2020 |
| 26 | Solutions of nonlinear equations to describe physical models in plasma | ITALIAN JOURNAL OF PURE AND APPLIED MATHEMATICS | 2020 |
| 25 | Soliton Solutions of Ion Acoustic Waves in Plasma | LAMBERT Academic puplishing | 2018 |
| 24 | Exact Solution for Camassa-Holm Equations which Desribe Pseudo- Spherical Surface | Global Journal of Pure and Applied Mathematics | 2018 |
| 23 | Designs For Multiple Comparisons of Control Versus Treatments | global journal of pure and applied mathematics | 2018 |
| 22 | Approximation of Stochastic Integrals of the Poisson Process | Journal of Advances in mathematics | 2016 V12 N 8 |
| 21 | Application of homotopy analysis method for solving nonlinear dynamical system | IOSR Journal of Mathematics (IOSR-JM) | 2016 V: 12 N: 1 |
| 20 | Travelling wave solutions of Kaup – Kupershmidt equation which describe pseudo spherical surfaces | Journal Applid Mathematics(AM) | 2015 /V6 |
| 19 | Soliton Solutions for Nonlinear Evolution Equations by Using Inverse Scattering Mthod (Book Chapter) | Functional Analysis and Probabilty | 2015 Scopus |



رقم النموذج: ZU/QP08F016

السيرة الذاتية



| 18 | The necessary and sufficient conditions for the solutions of elliptic problems | Journal of Social science research | 2014 Volume 4 N: 1 |
|----|---|--|--|
| 17 | Derivation of Yang-Mills equations from Maxwell Equations and Exact solutions | Journal of Advances in mathematics | 2013 |
| 16 | Exact Solutions and Conservation Laws For Ibragimov-Shabat Equation Which Describe Pseudo-spherical Surface (Book Chapter) | Handbook of Evolution Equations | 2012 Scopus |
| 15 | Soliton Solutions for Nonlinear Evolution Equations by Using Inverse Scattering Mthod | Integration: Mathematical Theory and Applications Nova Science Publishers, Inc | 2012 Volume 3, Number 1, |
| 14 | Surfaces of a Constant Negative Curvature | International Journal of Differential Equations Hindawi Publishing Corporation | Volume 2012, Scopus |
| 13 | Canonical Reduction of Self-Dual Yang- Mills Equations to Fitzhugh-Nagumo Equation and Exact Solutions | Chaos Solitons & Fractals | 2009 UK Scopus |
| 12 | Conservation Laws for the Calogero- Degasperis Family of Equations Which Describe Pseudo-Spherical Surfaces | International Journal of Mathematical Analysis | 2009 Vol.3 no.9 Bulgaria Scopus |
| 11 | Soliton Solutions for Unstable Nonlinear Schrodinger Equation which Describe Surface of Constant Negative Curvature | International Journal of Evolution Equations | 2008 Vol.3,no.3 USA |
| 10 | Travelling Wave Solutions for the KdV- Burgers-Kuramoto and Nonlinear Schrodinger Equations which Describe Pseudo-spherical Surfaces | J. of Applied Mathematical Sciences | 2008 USA Scopus |
| 9 | Exact Solutions and Conservation Laws For Ibragimov-Shabat Equation Which Describe Pseudo-spherical Surface | Computational and Applied Mathematics | 2008 Vol.3 no.2 Brazil |







| | Canonical Reduction of the Self Dual Yang-Mills Equation to Inhomogeneous | | 2008 Vol.2.no.49 |
|---|--|--|-------------------------|
| 8 | Nonlinear Schrodinger Equation and | Applied Mathematical Sciences | voi.2.no.49 |
| | exact Solutions | | Bulgaria |
| | | | 2007 Vol.3 |
| _ | An Approximation of Stochastic | International J. of Contemporary | no.10 |
| 7 | Integrals in the Generalized Random Processes Algebra | Mathematical Sciences | 10.10 |
| | | | Bulgaria |
| | Geometry of Finding Thin Elastic | | 1993 |
| 6 | Shallow Shells of Translation with the | Dan, BSSR, | Vol.37. N3 |
| | Given Momentless Homogenous Strain, | | Byelorussia |
| | Some Non-linear Problems of Elasticity | | 1991 |
| | Theory & Methods of their Solution in a | | 1991 |
| 5 | Selection, Entitled: Non linear Evaluation | IMAN UKRSS KIEV | |
| | Equation in Applied Problems. | | |
| | | All Union Inter – Collage Scientific | 1990 |
| 4 | Optimum Equal–Strength Forms of | Setaction, Entitled: Ilydromechanices & Elasticity | |
| - | Thin–Walled Sloping Shell Structures. | | |
| | The weed least in New Development | Theory. Denepropetrovesk | 1990 Vol. |
| - | Thermoelastic Non- Bendingly Deformed Very Sloping ShellStructures | | 1990 Vol. 59, No. 2, |
| 3 | beformed very sloping shelist detares | lfzh, | 55, NO. 2, |
| | Non-Bending Deformed thin – walled | DAN BSSR, | 1989 Vol. |
| 2 | shell structures of variable thikness | | XXXIII, No. 9 |
| | Differently Stress –loaded | All Union Scientific & Technical | 1989 Vol. |
| | Thermoelastic Sloping Transfer Shells, | Monthly " Ifzh ". Minsk | 56, No.5, |
| 1 | Stress Difference Across Thicknesses. | | 20,100.0, |
| | | | |

Books:

| # | Book Title | Publisher | Year |
|---|---------------------|----------------|------|
| 1 | General Mathematics | Dar Curriculum | 1997 |









| 2 | Introduction of statistics | The Department of the National Library | 1996 |
|---|----------------------------|--|------|
| 3 | | | |

Translated Books:

| # | Book Title | Publisher | Year |
|---|---------------------------------------|--------------|------|
| 1 | Introduction of Statistics Biology | Dar Al-Hamed | 1999 |

Atricles:

| # | Article Title | Publisher | Year |
|---|------------------------------------|---------------------------|------|
| 1 | The emergence of numerical systems | Cultural Magazine / Tabuk | 2006 |

Academic career progression after obtaining a PhD degree:

| # | From | to | | |
|----|-----------|-----------|--|--|
| 27 | 2012/9/2 | Present | Professor, Zarqa University, Mathematics Department | |
| 26 | 12/9/2017 | 1/7/2020 | ean of Scientific Research | |
| 25 | 12/9/2017 | 1/7/2020 | ice Editer-in-Chief of Zarqa Journal for Research and Studies in umanities | |
| 24 | 12/9/2017 | 1/7/2020 | Vice Editer-in-Chief of International Quality Assurance Journal | |
| 23 | 20/9/2015 | 11/9/2017 | ice Dean of Science Faculty | |
| 22 | 20/9/2015 | 11/9/2017 | hairman of the Department of Mathematics | |
| 21 | 19/7/2016 | Present | rofessor at Zarqa University, Mathematics Department | |
| 20 | 2/9/2012 | 19/7/2016 | ssociate Professor at Zarqa University, Mathematics Department | |
| 19 | 25/1/2011 | 2/9/2012 | Associate Professor at Tabuk University, Mathematics Department | |
| 18 | 13/8/1999 | 25/1/2011 | Assistant Professor at Tabuk Teacher College, Tabuk University | |
| 17 | 14/2/1993 | 13/8/1999 | Assistant Professor at the University of Applied Science, Jordan | |
| 16 | 2/9/2001 | 2/9/2012 | Chairman of the Department of Mathematics Tabuk University | |







| | 1/9/2008 | 2/9/2012 | | |
|----|----------|----------|---|--|
| 15 | 1/0/2000 | 2/0/2012 | Chairman of the Department of Computer Science in addition to the | |
| | | | Department of Mathematics | |
| 14 | 2000 | 2003 | Director of Community Service Center | |
| 13 | 2000 | 2012 | Director of Committee of Tests and Timetables at Tabuk Teacher College | |
| 12 | 2002 | 2005 | Member of the Committee of Students' Affairs | |
| 11 | | | Member of the Budget Committee at Tabuk Teacher College | |
| 10 | 2002 | 2008 | Member of the Board of Directors of the Social and Monetary Fund at Tabuk Teacher College | |
| 9 | | | Member of the Educational Research Center at Tabuk Teacher College | |
| 8 | | | Member of the Administrative Affairs at Tabuk Teacher College | |
| 7 | | | Member of the Computer Science Committee | |
| 6 | | | Member of the Computer Science Committee | |
| 5 | | | Member of the Intellectual Forum at Tabuk Teacher College | |
| 4 | | | Academic Consultant for Research unit | |
| 3 | | | Member of the Permanent Committee for Tabuk University Annual Report | |
| 2 | | | Member of the Committee of Mathematics for the restructuring of the college of Science. | |
| 1 | | | Member of the Preliminary Year Committee at Tabuk Teacher College | |

Teaching Master's Courses :

| Course Name | |
|---|---|
| Integral Equations | 1 |
| Applied Mathematics 1,2 | 2 |
| Theory of ordinary differential equations | 3 |
| Partial differential equations | 4 |
| Real Analysis (Theory of Measurement and Integration) | 5 |
| Mathematical statistics | 6 |





Supervision of Theses:

| 2015 2015 2015 | University Zarqa University Zarqa University Zarqa University | Conservation lawsfor fifth – order nonlinear evolution equations Exact Solutions for some Nonlinear Partial Differential Equations which Describe Pseudo- Spherical Surfaces | Student Name Tahaer Jamil Hammad Abo Khmash Feras Hasan Altalla |
|----------------------|---|---|---|
| | University Zarqa University | Exact Solutions for some Nonlinear Partial Differential Equations which Describe Pseudo- | Abo Khmash |
| | | Differential Equations which Describe Pseudo- | Feras Hasan Altalla |
| 2015 | Zarna University | | Feras Hasan Altalla |
| 2015 | Zarna University | Spherical Surfaces | |
| 2015 | Zarga University | | |
| | Larga University | Bäcklund transformations and Travelling wave | Amal Mahmoud Abdallah |
| | . , | Solutions for some nonlinear evolution equations | |
| 2016 | Zarga | Nonlinear Evolution Equations and Inverse | |
| | University | Scattering | Abd-Alrahman Mahmoud Shehada Jabr |
| 2016 | Zarqa | Canonical reduction of self-dual Yang-Mills theory | med Ibrahim Mohammed |
| | University | tosome nonlinear evolution equations | smeh |
| 2016 | Zarqa University | Exact solutions of the self-dual Yang-Mills equations | Ahmad Abd El-Raheem |
| | | | Ayasrah |
| 2017 | Zarqa | Analytical Solutions for Nonlinear Dynamical | |
| | University | System by using homotopy analysis method | Mahmud Ali Mhedat |
| 2017 | Zarqa University | Application of homotopy analysis method for solving | Hana Marai Mohammed |
| | | linear and nonlinear differential equations with fractional orders | |
| 2017 | Zarga University | solution of Conformable time-fractional Whitham- | |
| | , , | Broer-Kaup equations by Residual power series | Nagah Nagi Saleh Aisa |
| | | method | |
| 2017 | Zarqa University | Conformable solution of time-fractional Drinfeld- | |
| | | Sokolov-Wilson system using Residual power series method | Albatol Abdalhafid Farag Alfartas |
| 2017 | Zarga University | | Mohammad salim Issa . |
| 2017 | Zarya University | the parameters of truncated normal distribution | Alaesa |
| 2018 | Zarqa University | Soliton Solutions of ion acoustic waves in plasma | Hind Hmed Al-Duri |
| | 2016 2017 2017 2017 2017 2017 | University2016Zarqa University2016Zarqa University2017Zarqa University2017Zarqa University2017Zarqa University2017Zarqa University2017Zarqa University2017Zarqa University2017Zarqa University | UniversityScattering2016Zarqa UniversityCanonical reduction of self-dual Yang-Mills theory tosome nonlinear evolution equations2016Zarqa UniversityExact solutions of the self-dual Yang-Mills equations2017Zarqa UniversityExact solutions for Nonlinear Dynamical System by using homotopy analysis method2017Zarqa UniversityApplication of homotopy analysis method for solving linear and nonlinear differential equations with fractional orders2017Zarqa UniversitySolution of Conformable time-fractional Whitham- Broer-Kaup equations by Residual power series method2017Zarqa UniversityConformable solution of time-fractional Drinfeld- Sokolov-Wilson system using Residual power series method2017Zarqa UniversityComparison among some methods for estimating the parameters of truncated normal distribution |







| 14 2010 Zurqu Oniversity Differential Equations 15 2018 Zarqa University A Ceneralizing of the Fractional Sub-Equation Method to Solve System of Space-Time Fractional Najati Jeha Differential Equations Differential Equations | a Alaa al-Din Hamzah d Hasan Abu- Shawer mzah Shdefat Duaa Bassam |
|--|--|
| 16 2019 Zarqa University Reduction of the self-dual Yang-Mills equations to Ha | Shawer mzah Shdefat |
| | |
| | Duaa Bassam |
| 17 2019 Zarqa University Solving Volterra – Fredholm Integro- Differential Equations Using Solving Volterra – Fredholm Integro- Differential Equations Using Reproducing Kernel Hilbert Space Method | |
| 182020Zarqa UniversityMathematical Description of Wave Propagation in Kidney LithotripsyBushra Mor Shihab | wafak Ali |
| 192020Al al-Bayt UniversityExact Solution of 3-D Time independent Schrodinger Equation of Some New Interatomic potentials by The Nikiforov-Uvarov MethodHazem Sale Mohammed | |
| 20 2020 Zarqa University Solve Fractional System of Plasma by the Fractional Sub- Equation Method Marah Faw Ababneh | zi Ali |
| 21 2021 Zarqa University A Mathematical Model for Public Key Encryption Heba Ahmer Algorithms in Cyber Security Saif | d Jaber |
| 22 2021 Zarqa University Solving the Handling Stiff Systems of Ordinary Zainab Al Abdel Qad | |
| 23 2021 Zarqa University Solving the Fractional Sawada-Kotera Eqution by Homotopy Analysis Method Nasreen A Al-Hamaye | |
| 24 2021 Zarqa University Conformable Solution of the Fractional Lane-Emden Equation Using Residual Power Series Method Abdul Rahi Saeed Abu | |
| 25 2021 Zarqa University Solve Space-Time Fractional Benjamin-Bona-Mahony Saad Brah Equation by the Fractional Sub- Equation Method Saad Brah | ama |
| 26 2021 Zarqa University Atomic Solution of Fractional Wave Equation Alaa Nasr Qassem | i Taha |



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| 27 | 2021 | Zarqa University | Solving non-Linear Fractional Stiff systems by the Fractional Sub-Equation Method | Wurud Ali Nassif Muhammad |
|----|------|------------------|--|----------------------------------|
| 28 | 2021 | Zarqa University | Conformable Solution of some Fractional Equations Using Residual Power Series Method | Wala Nafed Hosni Abdullah |
| 29 | 2021 | Zarqa University | Solving Ibragimov-Shabat Fractional Partial Differential Equation | Obada Mehrez ALgresi |
| 30 | 2022 | Zarqa University | Solving Hunter-Saxton Fractional Partial Differential Equation | Lana Ahmad AlAbsi |
| 31 | 2022 | Zarqa University | A Generalization of the Conformable Fractional Sumudu Transform | Omar Aymen Makahla |
| 32 | 2022 | Zarqa University | A Generalization of the Conformable Fractional Laplace Transform | Tamara Mahmud Salamha |
| 33 | 2023 | Zarqa University | Solving the Fractional Newell-Whitehead Equation Using Atomic Solution Method | Baraa Ahmed Abu Jarad |
| 34 | 2022 | Zarqa University | Application of the conformable fractional sumudu transform | Muaed abu Gazala |
| 35 | 2023 | Zarqa University | Conformable Double Sumudu Transform for Solving Heat Equations | Mustafa Yousef Mustafa obeid |
| 36 | 2023 | Zarqa University | Using Sub- Equation Method to Solve Some Fractional Equations | Abdallah khalid ahmed alhamad |
| 37 | 2023 | Zarqa University | Double Sumudu Transform for Solving Heat Equations | ahmad Fadhil noaman |
| 38 | 2023 | Zarqa University | Finding Atomic Solutions of Fractional Partial Differential Equations in a Banach Space | Bylasan Mohamed Khalil Lafi |
| 39 | 2023 | Zarqa University | Finding Atomic Solutions of Fractional Partial Differential Equations in a Tensor Product | Donia Mohmud Thyab Alhosari |
| 40 | 2023 | Zarqa University | The New Integral Transform: GALM Transform and Its Application on Partial Differential Equations | Ahmad Hatem Alsawaeer |
| 41 | 2023 | Zarqa University | The New Integral Transform GALM Transform and Its Application on Ordinary Differential Equations | Loay Rateb Ahharabsha |
| 42 | 2024 | Zarqa University | Solving The Reducible Equation of the Korteweg-de Vries Type by Atomic Solution Method | Sara Mohamed |



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| 43 | 2024 | Zarga University | A New Complex Transform: GMS Transform | Saif Awad Allah Alsoud |
|----|------|------------------|--|------------------------|
| | | | and Its Applications for Solving Ordinary | |
| | | | Differential Equations | |
| 44 | 2024 | Zarqa University | A New Complex Transform: GMS Transform | Mahmud Alqm |
| | | | and Its Applications For Solving Partial | |
| | | | Differential Equations | |
| 45 | 2024 | Zarqa University | The GALM Transform and its Applications in | Nabeel Ahmad Ali |
| | | | Solving Integral Equations | Amireh |
| 46 | 2024 | Zarqa University | Double GALM Transform and its | Ibtehal Gharib |
| | | | Applications | |
| 47 | 2025 | Zarqa University | Applications in GMS Transform for Solving | Faisal Abu- Rumman |
| | | | Integral Equations | |
| 48 | | | | |
| 40 | | | | |
| 49 | | | | |
| 50 | | | | |
| | | | | |

Conferences:

| year | Paper Title | Organizing Institution | Conference |
|------|--|------------------------|---|
| 2023 | Using Medfield Atomic Solution Method to Solve Nonhomogeneous Fractional PDE | Zarqa Univesity | The 8 th international Arab conference on mathematics and computations 2023 |
| 2022 | Conformable Triple Sumudu Transform with Applications | Duzce University | 5th International Conference on Mathematical and Related Sciences (ICMRS 2022) |
| 2022 | Using Atomic Solution Method to Solve the Fractional Equations | Zarqa Univesity | The 7 th international Arab conference on mathematics and computations 2022 |







| 2022 | Application of Laplace residual series method for solving time- fractional Fisher equation | Zarqa Univesity | The 7 th international Arab conference on mathematics and computations 2022 |
|------|---|--|---|
| 2019 | Exact Solution for Sawada–Kotera Equation Using Backlan Transformations and Travelling Wave Solutions | Academic Research and Solutions Sociedad Limitada (ARS Spain | 3 th International Engineering Mathematics & Applied Sciences (IEAS- 19) |
| 2018 | Soliton solutions for system of PDEs that describes ion acoustic waves in plasma | Academic Research and Solutions Sociedad Limitada (ARS Spain | 2 th International Engineering Mathematics & Applied Sciences (IEAS- 18) |
| 2017 | Canonical Reduction of Self-Dual Yang-Mills Theory to some Nonlinear Evolution Equations to Inhomogeneous nonlinear Schr dinger and Exact Solutions | Academic Research and Solutions Sociedad Limitada (ARS) Spain | International Conference on Natural Sciences and Recent Advances in Engineering Technology |

Courses I have taken in chronological order:

| Series | Year of the course Duration | Organizer | Title of the training course | مسلسل |
|--------|--------------------------------------|------------------|--|--------|
| 1 | 2015 | Zarqa University | Strategic Planning Course in Academic Institutions | 3 Days |
| 2 | 2015 | Zarqa University | Course of preparing the strategic plan for the college | 2 Days |
| 3 | 2012 | Zarqa University | Qualification course for faculty members | 3 Days |







| 4 | 2015 | Zarqa University | Scientific Research Course | 3 Days |
|----|--------|--------------------------------------|---|-------------|
| 5 | 2009 | Imam Muhammad bin Saud University | Strategic Planning Course in Academic Institutions | 3 Days |
| 6 | 2009 | King Abdulaziz University | Academic Calendar Course | 3 Days |
| 7 | 2008 | Mathematics department | Preparation of exams | 2 Days |
| 8 | 2008 | Red Crescent | course in first aid, | 2 Days |
| 9 | 2007 | Saudi Teachers College | Academic Advising | 1 Day |
| 10 | 2006 | Alfred Center - Jordan | SPSS Statistical Analysis | 30 hours |
| 11 | 2005 | Community Service | Training of Trainers | 32 hours |
| 12 | 2005 | Saudi Teachers College | Computer Course | 2 weeks |
| 13 | 2002 | Community Service | Power Point | 1 week |
| 14 | 1992 م | French, American and Arab company | insurance courses for the French, American and Arab company | 3 months |

Research Interests

| 1 | Soliton solutions for nonlinear evolution equations |
|---|---|
| 2 | Geometric integrability, conservation laws and Bäcklund transformations |
| 3 | Yang Mills equations and Pseudo spherical surfaces |









| 4 | Designs for multiple comparisons for control versus treatments. | | | | | |
|----|--|--|--|--|--|--|
| 5 | Condition of Non-Bending deformed sloping transfer shells with regard translation creeping of materials. | | | | | |
| 6 | Associated solution equation for α differential in algebra generalized random process . | | | | | |
| 7 | Classification methods approximation Poisson random process . | | | | | |
| 8 | Approximation stochastic integrals at Poisson process . | | | | | |
| 9 | Approximation stochastic α –integrals in algebra generalized random process I. | | | | | |
| | Approximation stochastic α -integrals in algebra generalized random process II. | | | | | |
| 10 | Integral transform | | | | | |
| 11 | Integral equation | | | | | |
| 12 | Cyber Security | | | | | |

Community Service :

| period | Activity | | |
|-----------|---|----|--|
| 2019-2025 | Iftar in Ramadan (for the disabled in the Abu Nseir Association) (For orphans in Abu Nseir Association) | .1 | |
| 2019-2025 | Contributing to the celebrations held by the Municipality of Amman / Abu Nseir | .2 | |
| 2019-2025 | Contribute to all activities held by the Abu Nseir Association | .3 | |
| 2020,2024 | Participation in general election committees | .4 | |

2014

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Personal Information :

| Name | Professor | Gharib Musa Gharib | | | |
|-------------------------|-----------|---------------------------------|-----------|---------------|--|
| Place and Date of Birth | | Senjel / 4/10/1963 | | | |
| Nationality | | Jordanian | | | |
| Marital Status | | .Married | | | |
| Address | | Amman - | | | |
| Work Tel No. | | 1557 | Extention | 0096253821100 | |
| Mobile: | | 0799191348 | | | |
| Postal Address | | B.BOX : 132222 Post Code: 13132 | | | |

