



Associate Professor

ZEAD YOUSEF MUSTAFA

Curriculum Vitae

Sept. 14, 2015

PERSONAL

Date of Birth	: 1 ~ 7~1974
Nationality	: Jordanian
Marital Status	: Married
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EDUCATION

2005	The University of Newcastle <i>Ph.D. in Mathematics</i> Thesis Title: A New Structure for Generalized Metric Spaces- with A pplication to Fixed point Theory.	Australia
2000	AL al-Bayt University <i>M.sc.. in Mathematics</i> Thesis Title: Non-expansive Mappings Over Generalized Metric spaces.	Jordan
1996/1997	MU'TAH University <i>B.Sc. in Mathematics</i>	Jordan

EMPLOYMENT

July 2002 ~ October 2004	Tutor , School of Mathematics and physical sciences, Newcastle University , Australia.
Aug 2005~ Nov 2005	Mathematics Researcher , Supported by funds from Australian Research Council center for Complex Dynamical systems and Control, Newcastle University , Australia.
Oct 1997 - Dec 1999	Part-time Teaching and Research Assistant , school of Mathematics, AL al-Bayt University , Jordan.
Feb 2000 - Mar 2001	Part-time Teacher , Ministry of Education, Jordan
Feb 2006 – Sept. 2006	Part-time lecturer , Dep. Of Mathematics, The Hashemite University.
Sept. 2006- Aug. 2011	Assistante Professor , Dep. Of Mathematics, The Hashemite University-Jordan
Sep. 2008 - Sep. 2009	Assistance Dean for Faculty of Science
Sep. 2009- Sept. 2012	Head of Mathematics Department , The Hashemite University-Jordan
Aug. 2011-Sept. 2013	Associate Professor , Dep. Of Mathematics, The Hashemite University-Jordan
Sept. 2012-Jun 2013	Visiting Associate Prof. , Dept. of Mathematics, Physics and Statistics –Qatar University .
Sept 2104 –Till Now	Associate Prof. , Dept. of Mathematics, Physics and Statistics –Qatar University

Field of Specialization and Areas of Research Interest

My principal research interests is in the field of Metric Spaces, G-metric Spaces, Partial Metric Spaces, Fixed Point Theorem and Applications of Fixed point Theorems.

Current work deals with the establishment of new Fixed point theory for Mappings defined on G-metric Spaces, and common Fixed point Theorem for several mappings defined on G-metric spaces.

My future research plans are to develop Applications for such fixed point Theory.

PUBLICATIONS

1. **Z. Mustafa** and Sims, B., Some Remarks Concerning D-metric spaces”, *Proceeding of the international conferences on fixed point Theory and applications*, Valencia (Spain), July (2003). 189-198.
2. **Z. Mustafa** and Sims, B., A new Approach to Generalize Metric Spaces”, *Journal of Nonlinear and Convex Analysis*, volume 7, No. 2(2006).289-297.
3. **Zead Mustafa**, Hamed Obiedat, A Fixed Point Theorem of Reich in G-metric Spaces”, *CUBO A Mathematical Journal*, vol12, No 01,(83-93). March 2010.
4. **Zead Mustafa**, Brailey Sims, “ Fixed Point Theorems for Contractive Mappings in Complete G-Metric Spaces,” *Fixed Point Theory and Applications*, vol. 2009, Article ID 917175, 10 pages, 2009. doi:10.1155/2009/917175.
5. **Zead Mustafa**, Hamed Obiedat, and Fadi Awawdeh, “Some Fixed Point Theorem for Mapping on Complete G-Metric Spaces,” *Fixed Point Theory and Applications*, vol. 2008, Article ID 189870, 12 pages, 2008. doi:10.1155/2008/189870
6. **Zead Mustafa**, W. Shatanawi and M. bataneh, Existence of Fixed Point Results in G-Metric Spaces”, *International Journal of Mathematics and Mathematical Sciences*, , vol. 2009, Article ID 283028, 10 pages, 2009. doi:10.1155/2009/283028.
7. **Zead Mustafa**, M. Khandagjy and W.Shatanawi, “Fixed Point Results on Complete G- metric Spaces”, *Studia Scientiarum Mathematicarum Hungarica*, vol 48, 2011, no 3, 304-319, DOI: 10.1556/SScMath.2011.1170.
8. **Zead Mustafa**, F. Awawdeh, W. Shatanawi, “Fixed point Theorem for expansive mappings in G-metric Spaces”, *Int. Journal of Contemp. Math. Sciences*, Vol. 5, 2010, no.49-52.
9. M. Khandagji, W. Shatanawi, **Zead Mustafa**, “Approximation in Kothe Bochner Function Space”, *International journal of applied mathematics*, volume 20, No. 7(2007), 937-942.

10. H. Obiedat, **Zead Mustafa**, F. Awawdeh, "Short- Time Fourier Transform over the Silva Space", *International Journal of Pure and Applied Mathematics*, volume 44, No. 5 (2008), 755-764.
11. Fadi awadeh, M. Khandaqji, and **Zead Mustafa**, " A new approach for the solution of the electrostatic potential differential equations". *Mathematical Problems in Engineering*, volume 2009, Article ID 980987, 11 pages.
12. Fadi Awawdeh, A. Adawi and **Zead Mustafa**, "Solutions of the SIR Models of Epidemics Using HAM". *Chaos, Solitons & Fractals*, 42(2009) 3047-3052, doi:10.1016/j.chaos.2009.04.012.
13. Fadi Awawdeh, **Z. Mustafa** and W. Shatanawi, "On New Iterative Method for Solving Nonlinear Algebraic Equations", *Proceeding of a conference on Analysis and Computational Mathematics*, 18-19 sept. 2008, Notre Dame University, Lebanon, Research Publishing.
14. Hamed Obiedat, **Zead Mustafa**, "Fixed point Results on A Nonsymmetric G-metric Spaces", *Jordan Journal of Mathematics and Statistics*, Vol.3, No 2, 2010, pp.65-79.
15. W. Shatanawi, **Zead Mustafa** and M. Bataineh, "On 2- λ - Nuclearity Maps", *Jordan Journal of Mathematics and Statistics*, Vol.3, No 1, 2010, pp.43-51.
16. W. Shatanawi, **Zead Mustafa** and Nedal Tahat, "Some coincidence point theorems for nonlinear contraction in ordered metric spaces", *Fixed point Theory and applications*, 2011, 2011:68 doi:10.1186/1687-1812-2011-68.
17. Nedal Tahat, **Zead Mustafa**, New ID-Based Digital Signature Scheme on Factoring and Discrete Logarithms, *Applied Mathematical Sciences*, Vol. 6, 2012, no. 28, 1363 – 1369.
18. M. Abbas, T. Nazir, W. Shatanawi and **Zead Mustafa**, Fixed and Related Fixed Point Theorems for Three Maps in G-Metric Spaces, Accepted in Hacettepe Journal of Mathematics and Statistics.
19. W. Shatanawi and **Zead Mustafa**, On coupled random fixed point results in partially ordered metric spaces, *Matematiski Vesnik*, 64 (2012), 139-146.
20. Renu Chugh, **Zead Mustafa**, Madhu Aggarwal and Tamanna Kadian, Properties P and Q in non-archimedean G-Fuzzy Metric Spaces, *International Journal of Mathematical Archive*-3(1), 2012, Page: 1-8
21. **Zead Mustafa**, Hassen Aydi and Erdal Karapinar, On Common Fixed Points in G-Metric Spaces Using (E.A) Property, *Computer and mathematics with application*. 64 (2012) 1944-1956, doi:10.1016/j.camwa.2012.03.051.
22. **Zead Mustafa**, Hassen Aydi and Erdal Karapinar, Mixed g-monotone property and quadruple fixed point theorems in partial ordered metric space, *Fixed Point theory and its application* 2012, 2012:71. Doi:10.1186/1687-1812-2012-71

23. K.P.R.Rao, K.Bhanu Lakshmi and **Zead Mustafa** , Fixed and related fixed point theorems for three maps in G-metric space, Journal of Advance studies in Topology, Vol. 3, No. 4, 2012, 12-19
24. **Zead Mustafa**, Common Fixed Points of Weakly Compatible Mappings in G-Metric Spaces, Applied Mathematical Sciences, Vol. 6, 2012, no. 92, 4589 – 4600
25. Erdal Karapinar, Wasfi Shatanawi and **Zead Mustafa**, Quadruple fixed point theorems under nonlinear contractive conditions in partially ordered metric spaces, Journal of Applied Mathematics, Volume 2012, Article ID 951912, 17 pages, doi:10.1155/2012/951912.
26. **Zead Mustafa**, Some New Common Fixed Point Theorems Under Strict Contractive Conditions in G- Metric Spaces, Journal of Applied Mathematics, Volume 2012, Article ID 248937, 21 pages, doi:10.1155/2012/248937.
27. Wasfi A. Shatanawi, Mihai Postolache, **Zead Mustafa** and Nedal Taha, Some theorems for Boyd-Wong type contractions in ordered metric spaces, Abstract and applied analysis, vol. 2012, Article ID 359054, 14 pages, 2012. doi:10.1155/2012/359054.
28. Hassen Aydi, Erdal Karapinar and **Zead Mustafa**, Some tripled fixed point theorems in partially ordered metric spaces, Tamkang Journal of Mathematics, Volume: 44; Issue: 3, 2013, .doi:10.5556/j.tkjm.44.2013.990
29. Hassen Aydi, Erdal Karapinar and **Zead Mustafa**, Coupled coincidence point results on generalized distance in ordered cone metric spaces, Positivity, DOI 10.1007/s11117-012-0216-2
30. **Zead Mustafa**, Mixed g-monotone property and quadruple fixed point theorems in partially ordered G-metric spaces using $(\phi-\psi)$ Contractions, Fixed point Theory and applications, 2012, **2012**:199 doi:10.1186/1687-1812-2012-199.
31. **Zead Mustafa**, Tran Van An and Nguyen Van Dung, Two Fixed Point Theorems for Maps on Incomplete G-Metric Spaces, Applied Mathematical Sciences, Vol. 7, 2013, no. 46, 2271 – 2281.
32. Sumit Chandok, **Zead Mustafa** and Mihai Postolache, Coupled Common Fixed Point Theorems For Mixed g -Monotone Mappings In Partially Ordered G-Metric Spaces, University Politehnica Scientific Bulletin; Series A: Applied Mathematics and Physics. U.P.B. Sci. Bull., Series A, Vol. 75, Iss. 4, 2013.
33. **Zead Mustafa**, Hassen Aydi and Erdal Karapinar, Generalized Meir Keeler Type Contractions on G-metric spaces, Applied Mathematics and Computation. vol. 219, no. 21, pp. 10441–10447, 2013.

34. Dehghan Nezhad, N. Khajuee and **Zead Mustafa**, Some New Results on Universal Metric Spaces, Thai Journal of Mathematics, accepted 2014. Thai Journal of Mathematics, 2014.
35. Wasfi Shatanawi, Mihai Postolache and **Zead Mustafa**, Tripled and Coincidence Fixed Point Theorems for Contractive Mappings Satisfying Φ -Maps in Partially ordered Metric Spaces, Analele Stiintifice ale Universitatii Ovidius din Constanta, Seria Matematica , accepted , 2013.- Article in press.
36. **Zead Mustafa**, Jamal Rezaei Roshan and Vahid Parvaneh, Coupled coincidence point results for (ψ, φ) -weakly contractive mappings in partially ordered G_b -metric spaces, Fixed point Theory and applications, 2013, 2013:206, DOI: 10.1186/1687-1812-2013-206.
37. **Zead Mustafa**, Jamal Rezaei Roshan and Vahid Parvaneh, Existence Of Tripled Coincidence Point In Ordered G_b -Metric Spaces And Applications To System Of Integral Equations, Journal of Inequalities and Applications, 2013, 2013:453.
38. **Zead Mustafa**, Vahid Parvaneh, Mujahid Abbas and Jamal Rezaei Roshan, Some coincidence point results for generalized (ψ, φ) -weakly contractive mappings in ordered G-metric space, Fixed point Theory and applications 2013, 2013:326.
39. **Zead Mustafa**, Jamal Rezaei Roshan, Vahid Parvaneh and Zoran Kadelburg. Some common fixed point results in ordered partial b-metric space, Journal of Inequalities and Applications 2013, 2013:562.
40. **Zead Mustafa**, Jamal Rezaei Roshan, Vahid Parvaneh and Zoran Kadelburg. Fixed point theorems for Weakly T-Chatterjea and weakly T-Kannan contractions in b-metric spaces. Journal of Inequalities and Applications 2014, 2014:46.
41. **Zead Mustafa**, V Parvaneh, JR Roshan, Z Kadelburg, b_2 -Metric Spaces and Some Fixed Point Theorems, Fixed Point Theory and Applications 2014 (1), 144, 2014.
42. **Zead Mustafa**, E Karapınar, H Aydi, A discussion on generalized almost contractions via rational expressions in partially ordered metric spaces, Journal of Inequalities and Applications 2014 (1), 219, 2014.

SUBMITTED ARTICLES

1. S. Sedghi, N. Shobkolaei and Zead Mustafa, Some Fixed Point Theorems for A-contractive maps in Uniform Spaces, Filomat.
2. Wasfi Shatanawi Zead Mustafa, “Tripled fixed point theorems under nonlinear contractive conditions in partially ordered metric spaces”, Applied Mathematics Letters.
3. Zead Mustafa, Wasfi shatanawi and Mujahid Abbas, Quaruple fixed point theorems under nonlinear contractive conditions in partially ordered G- metric space, Studia Scientiarum Mathematicarum Hungarica.
4. R.K. Vats, E. Karapinar, V.Sihag and Zead Mustafa, Coupled Fixed Point theorems for Weakly compatible maps without continuity in partially ordered G-metric Space, Mathematical Reports.
5. Zead Mustafa, Stojan Redenovech, wasfi shatanawi, A Pair of Non-Self Mappings in Cone Metric Spaces, Hacettepe Journal of mathematics and statistics.

TRAINING COURSES AND WORKSHOPS

Apr 2001 ~ sep 2001	Diploma in English Language for Academic Purposes, <i>Institute of Languages, UNSW</i>	Australia
Oct 2001~ Feb 2002	IELTS Preparation Program, <i>AICL</i>	Australia
Jan 16-Jan 20 2011	Learning Management System, Virtual Class Room, Class Capturing System , Authoring Tool	E-Learning Center at The Hashemite University, Jordan
	A Workshop on using Blackboard system for Delivering University Courses	Qatar University

CONFERENCES ATTENDED

1. The 46th Annual Meeting of the Australian Mathematical society, 2002
2. The 47th Annual Meeting of the Australian Mathematical society, 2003
3. The 48th Annual Meeting of the Australian Mathematical society, 2004
4. The 51st Annual Meeting of the Australian Mathematical society, 2007.

5. 7th Australian NewZealand Mathematics Convention, 2008.
6. International Conference & Workshop On Mathematical Analysis- Malaysia (ICWOMA 2014).
7. International Conference on Recent Advances in Pure and Applied Mathematics- Turkey - ICRAPAM 2014.

SEMINAR AND CONFERENCE PRESENTATIONS

1. Speaker at the 48th annual meeting of the Australian Mathematical Society , 2004.
Title: A New approach to generalize metric spaces.
2. Speaker at Seminar Series, The University of Newcastle, 2003. Title: Some Remarks Concerning D-metric spaces.
3. Speaker at Seminar Series, The University of Newcastle, 2004. Title: A New approach to generalize metric spaces.
4. I presented a poster at Annual Research Retreat of Australian Research Council Center.
5. Speaker at the 51st annual meeting of the Australian Mathematical Society, 2007.
Title: Some fixed Point Theory of Mappings on G-metric Spaces.
6. Speaker at 7th Australian NewZealand Mathematics Convention, 2008, Title: Reich Theorem and Mappings With Fixed Points Theorem on G- metric Spaces.
7. Speaker at Seminar Series, Qatar University , 2013. Title: A New approach to generalize metric spaces.
8. Speaker at International Conference & Workshop On Mathematical Analysis- Malaysia (ICWOMA 2014).
9. Speaker at International Conference on Recent Advances in Pure and Applied Mathematics- Turkey - ICRAPAM 2014

ACACEMIC AWARDS

1. Outstanding Postgraduate (Research) Student Achievment in 2004, University of Newcastle.
2. Mathematical Summer Scholarship, 2005, University of Newcastle.
3. **Two of my papers have been declared among the top twenty highly-cited publications. Recently, on 26-1-2014 The Arab Scientific Community Organization has lately publicized the result of their study to identify the most distinguished researchers in the Arab world who have contributed to a significant number of the most highly-cited publications in various fields during the period from 2009-2013. See the link**

<http://www.arsco.org/Home/Details?entityID=9bf2ecd5-9585-4540-942d-6ad623370659&resourceId=43770aa7-3e51-45ad-9dd8-c1b4973dae7d>

ACADEMIC ACTIVITIES

1. Reviewer of some international journals such as:

- Journal of Fixed Point Theory and applications,
- Journal of Demonstratio Mathematicas,
- Journal of Applied Mathematics and Computation,
- Journal of Fasciculi Mathematici,
- Journal of Inequalities and Applications,
- Thai Journal of Mathematics,
- Kyungpook Mathematical Journal,
- Journal Advanced Research in Pure Mathematics.
- Analele Stiintifice ale Univ. Ovidius Constanta, Ser. Matematica.
- Computer and mathematics with aplication.
- Applied Mathematics Letters.
- Mathematical Communication.
- Journal of abstract and applied analysis.

2. A coordinator of Pure mathematics courses for several times at The Hashemite University.
3. Member in many committees in the faculty of science at The Hashemite University.

4. Representative of Department of Mathematics in faculty of science council in The Hashemite University for academic year 2007/2008.
5. Assistant Dean of the faculty of science in The Hashemite University for academic years 2008/2009.
6. Head of Mathematics Department, The Hashemite University, 2009- 2012.
7. Member in Curriculum planning committee.
8. Member in Strategic Plan Committee.
9. Member in Faculty Recruitment Committee.
10. Member in Evaluation Committee for Faculty course Portfolios.
11. Member of several promotion committee from the rank of Assistance Professor to the rank of Associate Professor.

COURSES TAUGHT:

Course Title	Course #
Functional Analysis	3101412
Real analysis (I)	2101211
Real analysis (II)	2101311
Calculus (I)	101101
Calculus (II)	101102
Complex Analysis	101413
Elementary Intermediate Algebra	103
Mathematics for Engineering	217
(Calculus (III)	211

COMPUTER KNOWLEDGE

Maple, Latex, WinEdt, Microsoft Office.