

Ahmad Abdullah Al-omari

PERSONAL INFORMATION

Name: Ahmad Abdullah Al-omari

CONTACT INFORMATION

Department of Mathematics
Faculty of Science,
Al al-Bayt University,
P.O. Box 130095
Mafraq 25113-Jordan

E-mail:
omarimutah1@yahoo.com

CITIZENSHIP

Jordanian

RESEARCH INTERESTS

Point set-Topology, fractional differential equation.

EDUCATION

B.Sc. Mathematics,
Yarmouk University- Jordan (1985),

- Average (81.1)

M.Sc. Mathematics (Algebra),
Yarmouk University-Jordan (1993)

- Title of M.Sc. thesis (On the structure of witt root system)
- Average (84.9).

Ph.D. Mathematics (Topology),
School of Mathematical Sciences,UKM, Bangi, Malaysia (2009)

- Thesis title: Some contributions of continuity in topological spaces

ACADEMIC EXPERIENCE

- 22/9/1985-19/8/1989: Teacher in ministry of Education/Jordan.
- 13/11/1991-10/4/1995: Teacher in ministry of Education/Jordan.
- 10/4/1995-29/2/2000 :Teaching assistant at Mutah University /Jordan.
- from 29/2/2000 —14/2/2010: Lecturer at Mutah University /Jordan.
- from 14/9/2009– 10/9/2011 Assistant Prof. at Mutah University /Jordan.
- from 11/9/2011 — 20/12/2014 Assistant Prof. at Al al-Bayt University /Jordan.
- from 20/12/2014 — 20/3/2019 Associate Prof. at Al al-Bayt University /Jordan.
- from 1/10/2018 — 1/9/2019 at Taibah University - Mathematics Saudi Arabia
- from 20/3/2019 until now Professor at Al al-Bayt University /Jordan.

THESIS :
SUPERVISED AT
MASTER LEVEL

1. Abdullah Jamaan Al-Ghamdi, Master thesis in topology "On b - θ -open sets and some classes of functions via b - θ -open sets" Mutah University, 2012.
2. Mohammad Tahat , Master thesis in topology "On δ -Preopen Sets and Some Classes of Functions Via δ -Preopen" Mutah University, 2012.
3. Mohammad Jaber Salem Al-orjan, Master thesis in topology "On μ -Open Sets and Some Classes of Functions in Generalized Topological Spaces" Mutah University, 2012.
4. Ayda Saad Elagili, Master thesis in topology, Some Properties of Topological Spaces Via e-open Sets. Al al-Bayt University, 2013.
5. Samiha Mustafa Soliman, Master thesis in topology, Some Properties of Grill Topological Spaces". Al al-Bayt University, 2013.
6. Malouh Abdelmuhi Ahmad Baloush, On Some Properties of Topological Groups, Al al-Bayt University, 2014
7. Saif Zuhair Hameed A Study Of Weak Forms Of Soft Functions Al al-Bayt University, 2015
8. Amal husein olimat, on study of continuity of binary topological spaces, Al al-Bayt University, 2017
9. Heba Al-thenat, on study of some properties of binary topological spaces, Al al-Bayt University, 2017
10. Wais Al-Luwaici, Some Characterizations of Rarely w-Continuous Function, Al al-Bayt University, 2021
11. Alaa Al-Gharaibeh, Some Properties of Weak Form Of T-Continuous Functions, Al al-Bayt University, 2021
12. Malik AL-Horan, On Some Types of Rarely Continuous Functions, Al al-Bayt University, 2021

MASTER THESIS :
COMMITTEE
MEMBER

PUBLICATIONS

1. Generalized Developable Spaces Accepted in Ann. Univ. Oradea 29 (2022), no. 1
 2. A Topology Generated by ψ -Operation and Ideal Spaces, Accepted Iranian Journal of Mathematical Sciences and Informatics
 3. touch points in ideal Čech closure spaces Accepted Matematica
 4. Some characterization of rarely ω -continuous functions Accepted Italian J. P. App. M.
 5. On m-connected spaces. Accepted Matematica
-
6. Regular Γ -irresolvable spaces Hacettepe J. M. S. 51, 1 (2022) 95-100.
 7. A Al-Omari, T Noiri, Generalizations of Lindelöf Spaces via Hereditary Classes , Acta Universitatis Sapientiae, Mathematica, 13, 2 (2021) 281-291.
 8. A Al-Omari, T Noiri, Generalizations of regular and normal spaces II Mathematica 63 (86), No. 1 (2021) 3-12.
 9. A Bani-Bakr, K Dimiyati, MHD Hindia, WR Wong, A Al-Omari, YA Sambo, ..., Optimizing the Number of Fog Nodes for Finite Fog Radio Access Networks under Multi-Slope Path Loss Model Electronics 9 (12), 2175 2020
 10. S Al-Shara, A Al-Omari, Existence and continuous dependence of mild solutions for impulsive fractional integrodifferential equations in Banach spaces Computational and Applied Mathematics 39 (4), 1-17 2020
 11. A Al-Omari, T Noiri, Properties of H-compact spaces with hereditary classes Atti della Accademia Peloritana dei Pericolanti-Classe di Scienze Fisiche 2020
 12. A Al-Omari, H Al-Saadi, On w^* -connected spaces. Songklanakarin Journal of Science and Technology 42 (2) 2020
 13. (Λ, m) -Closed Sets and Decompositions of m-Continuity. A Al-Omari, T Noiri, H Al-Saadi 43 (5) 2019
 14. (Λ_π, \star) -closed sets and decompositions of \star -continuity, Questions and Answers in General Topology 36 (2018), pp. 7986.
 15. Some notes on soft hyperconnected spaces HS Al-Saadi, H Aygn, A Al-Omari The Journal of Analysis, 1-12 1 2019
 16. On extremally disconnected spaces via m-structures TN A. Al-omari Commun. Korean Math. Soc. 34 (1), 351-359 2 2019

17. A Al-Omari, T Noiri, Operators in minimal spaces with hereditary classes
Mathematica 61 (84), 2 1 2019
18. On hyperconnected spaces via m-structures TN Hanan Al-Saadi, Ahmad Al-Omari Italian Journal of Pure and Applied Mathematic 42 (-), 290-300 2019
19. Some operators in ideal topological spaces TN Ahmad Al-Omari Mathematica (Cluj) 84 (61), 101-110 2019
20. Soft topology in ideal topological spaces ALO Ahmad Hacettepe Journal of Mathematics and Statistics 48 (5), 1277-1285 1 2019
21. Existence of the classical and strong solutions for fractional semilinear initial value problems A Al-Omari, H Al-Saadi Boundary Value Problems 2018 (1), 1-13 3 2018
22. On quasi compact spaces and some functions A Al-Omari, T Noiri Boletim da Sociedade Paranaense de Matemtica 36 (4), 121-130
23. Ahmad Al-Omari And Takashi Noiri, Operators in minimal spaces with hereditary classes, Mathematica (Cluj) (Accepted)
24. Ahmad Al-Omari And Takashi Noiri, Generalizations of regular and normal spaces, Annales Univ. Sci. Budapest., Sect. Math., (Accepted)
25. Ahmad Al-Omari and Hanan Al-Saadi, Existence of the Classical and Strong Solution for Fractional Semilinear Initial Value Problems, Boundary Value Problems, 2018, 2018:157
26. Ahmad Al-Omari and Hanan Al-Saadi, Some notes on soft hyperconnected spaces, The Journal of Analysis, (Accepted)
27. Ahmad Al-Omari and Hanan Al-Saadi , A Topology via W -local functions in ideal spaces, Mathematica (Cluj) 60 (83), No 2, 2018, pp. 103110 .
28. Generalizations of regular and normal spaces TN Ahmad Al-Omari Annales Univ. Sci. Budapest., Sect. Math. 61 (1), 121-135 2018
29. A. Al-Omari, H. Al-Saadi and T. Noiri, On extremally disconnected spaces via m-structures, Commun. Korean Math. Soc. 34 (2019), No. 1, pp. 351359
30. H. Al-Saadi and A. Al-Omari Some operators in ideal topological spaces, Missouri J. Math. Sci. Volume 30, Issue 1 (2018), 59-71.
31. H. Al-Saadi , A. Al-OmariT. and Noiri, On hyperconnected spaces viam-structures, Italian Journal of Pure and Applied Mathematics (Accepted)
32. Ahmad Al-Omari , Soft Topology in Ideal Topological Spaces, Hacettepe Journal of Mathematics and Statistics (Accepted)
33. SModak, A Al-Omari, Generalized closed sets in binary ideal topological spaces, Chungcheong Mathematical Society 31(1) (2018) 183-191.

34. A Al-Omari, T Noiri and H. Al-Saadi, α -closed sets and decompositions of m -continuity. Southeast Asian Bulletin of Mathematics, (Accepted).
35. T Noiri, A Al-Omari, α -closed sets and decompositions of α -continuity. Questions Answers General Topology, (Accepted).
36. A Al-Omari, T Noiri, Local function in ideal topological spaces, Scientific Studies and Research Series Mathematics and Informatics, 26 (2016), (1), 516.
37. A Al-Omari, T Noiri, S Modak, Paracompact spaces with m -structures, Analele Universitatii Oradea Fasc. Matematica, Tom XXIV (2017), (1), 155-162.
38. S Modak, A Al-Omari, On a new operator on filter generalized topological spaces, Creative Mathematics and Informatics (CMI)26 (2017), No. 1, (Accepted).
39. Saif z. Hameed, A Al-omari, on almost soft α -continuous functions, Global Journal of Mathematics, Vol.10, No.2, July 13, (2017) 681692.
40. A Al-Omari, T Noiri, A Note on Topologies Generated by m -Structures and α -Topologies, Commun. Fac. Sci. Univ. Ank. Series A1 67 (1) (2018) 141146.
41. A Al-Omari, T Noiri, On operators in ideal minimal spaces, Mathematica (Cluj) - Tome 58 (81), No. 1-2 (2016).
42. A Al-Omari, T Noiri, Characterizations of α -Lindelöf spaces, Archivum Mathematicum, 53 (2), (2017) 93-99.
43. A Al-Omari, T Noiri, (w, k) -continuity and weak (w, k) -continuity, Annales Univ. Sci. Budapest., Sect. Math., 59, (2016).
44. A Al-Omari, T Noiri, On quasi compact spaces and some functions, Boletim da Sociedade Paranaense de Matemtica 36 (4), (2018) 121-130.
45. A Al-Omari, Some operators in ideal topological spaces via cozero sets, Acta Univ. Apulensis, 48 (2016), 1-12.
46. On Ideal Topological Spaces Via Cozero Sets , Accepted Questions and Answers in General Topology.
47. Weak and strong forms of sT -continuous functions, Commun. Korean Math. Soc. 2 (2015).
48. On α - ω -open sets and α -Lindelöf spaces, Accepted Acta Universitatis Apulensis.
49. On θ -Modifications Of Generalized Topologies Via Hereditary Classes, Accepted, Commun. Korean Math. Soc. (2016)
50. on $w - I_g$ -closed sets in weak structure spaces due to Császár with ideals, Accepted, Mathematica (Cluj)
51. Weak Separation Axioms $w - R_0$ and $w - R_1$ in Weak Structures due to Császár, Southeast Asian Bulletin of Mathematics (2016) 40: 15-22
52. Existence and uniqueness of mild and classical solutions to fractional order Hadamard-type Cauchy problem. J. Nonlinear Sci. Appl., 2016.

53. Existence Solution Of Neutral Fractional Differential Inclusions With Fractional Operator Miskolc Mathematical Notes Vol. 15 (2014), No. 2, pp. 691-709
54. "On θ_I - β^* -open sets and decompositions of continuity in ideal topological spaces" (2015) Questions and Answers in General Topology.
55. On weakly open functions in generalized topological spaces Analele Universitatii Oradea Fasc. Matematica, Tom XXI (2014), Issue No. 2, 41-50
56. α -closed sets in generalized topological spaces A. al-omari, V. Inthumathi, R. Ramesh
57. α -expansion continuous maps and (A; B)-weakly continuous maps in hereditary generalized topological spaces A al-omari, M rajamani, R ramesh
58. New Forms of Contra-Continuity in Ideal Topology Spaces W Al-Omeri, MSM Noorani, A Al-Omari - Missouri Journal of Mathematical Sciences, 2014
59. On topological groups via α -local functions W Al-Omeri, M Noorani, A Al-Omari - Applied general topology, 2014
60. A note on various mapping induced by $e - I$ -open sets in simple extension ideal topological space. W AL-Omeria, M Noorani, M Salmi, A AL-Omari - Journal of Advanced Studies in Topology, 2014
61. Filter On Generalized Topological Spaces, Scientia Magna international journal
62. On θ -(G, H)-continuous functions in grill topological spaces , Commun. Korean Math. Soc. 2 (2013), No. 22,
63. δ -local function and its properties in ideal topological spaces Fasciculi Mathematica
64. Weak continuity between WSS and GTS due to Császár Malaysian Journal of Mathematical Sciences.
65. μ -compact in generalized topological spaces , Journal of Advanced Mathematical Studies.
66. Characterizations of $w-T_0$ and $w-R_0$ via the topology generated by Λ_w , Questions and Answers in General Topology.
67. On Homogeneity and Homogeneity Components in Generalized Topological Spaces. ,Filomat (**ISI**)
68. A topology induced by weak structures due to Császár and ideals , Annals of the Alexandru Ioan Cuza University - Mathematics **ISI**
69. Regular \mathcal{G} -closed sets and regular \mathcal{G}^* -closed sets, , Mathematica (Cluj) **Scopus**
70. Some results related to topological groups via ideal topological spaces, , Acta Universitatis Apulensis.
71. Contra Continuity on Weak Structure Spaces,Rend. Istit. Mat. Univ. Trieste,Volume 44 (2012), 1-15 **Scopus**

72. Characterizations of $w-T_0$ and $w-R_0$ via the topology generated by Λ_w , *Quest. Answers Gen. Topology*.
73. \wedge_w -sets and \vee_w -sets in weak structures „journal *Annales Univ. Sci. Budapest. Sect. Math.*
74. Some weak separation axioms in a weak structure space due to Császár, *Analele Univ. Oradea Fasc. Matematica. Fasc. Matematica, Tom XX (2013), Issue No. 1, 105111*
75. Existence of solutions for Impulsive Fractional Integrodifferential Equations involving Gronwall's inequality in Banach spaces, *Creative Mathematics and Informatics (CMI) 21 (2012), No. 2, 115-122.*
76. Decompositions of τ_G -continuity and continuity, *Analele Universitatii Din Timisoara, Seria Matematica-Informatica*
77. A Unified Theory of weakly contra- (μ, λ) -continuous functions in generalized topological spaces. *Stud. Univ. Babeş-Bolyai Math. 58(2013), No. 1, 107117*
78. Existence of solutions to fractional abstract integro-differential equation with impulsive nonlocal conditions. *Differential Equations and Control Processes.*
79. Decompositions of continuity in ideal topological spaces (*Scientific Annals of "Al.I. Cuza" University of Iasi ISI*
80. Weak ϕ -continuous functions in grill topological spaces *Hacettepe Journal of Mathematics and Statistics ISI*
81. A unified theory of generalized closed sets in weak structures. *Acta Mathematica Hungarica***135** (1–2) (2012) 174-183, **ISI**
82. A unified theory of contra- (μ, λ) -continuous functions in generalized topological spaces *Acta Mathematica Hungarica* **135** (1–2) (2012), 31-41. **ISI**
83. On $\tilde{\Psi}_G$ -sets in grill topological spaces *Filomat* 25:2 (2011), 187-196. (**ISI**)
84. Local And Global Existence of Mild Solutions For Impulsive Fractional Semilinear Integro-Differential Equation
Communications in Nonlinear Science and Numerical Simulation Volume 16, Issue 9, September 2011, Pages 34933503 (**ISI**)
85. Weak forms of G - α -open sets and decompositions of continuity via grill *Bol. Soc. Paran. Mat. v. 31 2 (2013): 19-29.Scopus*
86. A topology via m -local functions in ideal m -spaces *Quest. Answers Gen. Topology.*
87. On $\theta_{(I,J)}$ -continuous functions on *Rend. Istit. Mat. Univ. Trieste.Scopus*
88. On Ψ_G -operator in grill topological spaces *Analele Univ. Oradea Fasc. Matematica, Tom XIX (2012), 187-196.*

89. Strongly G - β -open sets and decompositions of continuity via grills (Scientific Studies and Research Series Mathematics and Informatics Vol. 21 (2011), No. 2, 67 - 80.
90. Generalized closed sets in ideal M -spaces (Jordan Journal of Mathematics and Statistics (JJMS) 4(3), 2011, pp.171 - 183
91. Decomposition of continuity in grill topological spaces. Jordan Journal of Mathematics and Statistics (JJMS) 4(1), 2011, pp.81 - 92
92. On α - ω -open sets and α -Lindelöf spaces Accepted on Italian J. pure Appl. Math **Scopus** will be appeared in Vol. 27, No.2 (or Vol. 28, No.1).
93. Characterizations of nearly Lindelöf spaces, Jordan Journal of Mathematics and Statistics (JJMS) 3(2), 2010, pp.81 - 92
94. πgb -closed sets in topological spaces Mutah Lil-Buhuth Wad-Dirasat 26, (2011) , 11-30
95. Existence of the mild solution for Impulsive fractional semilinear initial value problems Inter. math. Forum (in press)
96. On Ψ_* -operator in ideal m -spaces, Bol. Soc. Paran. Mat. v. 30 1 (2012): 53-66.**Scopus**
97. On generalized b -closed sets. Bulletin of the Malaysian Mathematical Sci. So. 32 no.(1) (2009).**ISI**
98. Slightly omega-continuous. Fasciculi Mathematica no. 41 in 2009.
99. Weak form of open and closed functions via b -theta-open sets. Demonstratio Mathematica Vol. 42 no.(1) 193-203 (2009).**Scopus**
100. Weakly b -open functions, Mathematica Balkanica 23 1-12 (2009)
101. Weak forms of omega-open sets and decompositions of continuity. Eur. J. Pure Appl. Math. 73-84 (2009)
102. Some properties of contra- b -continuous and almost contra- b -continuous functions Eur. J. Pure and Appl. Math.213-230 (2009).
103. New characterizations of S -closed spaces Questions and Answers in General Topology 27 (2009) 175-185
104. On T -open sets and semi-Compact spaces Mathematica, Tome 51(74), No 2, 2009, pp. 153-161**Scopus**
105. Weak and Strong Forms of ω -Continuous Functions, *International Journal of Mathematics and Mathematical Sciences* Volume 2009 (2009), Article ID 174042, 12 pages

106. Characterizations of Strongly Compact Spaces,
International Journal of Mathematics and Mathematical Sciences Volume 2009 (2009), Article ID 573038, 9 pages
107. θ -generalized regular closed sets. *Mutah Lil-Buhuth Wad-Dirasat* Vol. 24 no. (1), 21-33, (2009).
108. Existence of the mild solution for fractional semilinear initial value problems *Nonlinear Analysis: Theory, Methods and Applications*, vol. 69, no. 9, pp. 3153-3159, 2008 **ISI**
109. On omega b-open sets and b-Lindelf spaces. *Eur. J. Pure Appl. Math.* 1, No. 3, 3-9, (2008).
110. Quasi B-open sets in bitopological spaces. *Abhath Al-yarmok* in press (2008)
111. On properties of strongly irresolute Topological vector space. *Al- Manarah* . 14 (2) 123 -130, (2008)
112. Decomposition of continuity via b -open set. *Bol. Soc. Paran. Mat* **26** (1-2) 53-64 (2008).
113. Regular Generalized ω -Closed Sets,
International Journal of Mathematics and Mathematical Sciences Volume 2007 (2007), Article ID 016292, 11 pages
114. Contra- ω -Continuous and Almost Contra- ω -Continuous,
International Journal of Mathematics and Mathematical Sciences Volume 2007 (2007), Article ID 040469, 13 pages
115. Generalized B-closed sets. *Mutah Lil-Buhuth Wad-Dirasat* , 22 (1) (2007) 103-115.
116. w -Continuous like mapping., *Al- Manarah* . **13** (6) 135-147, (2007)
117. B-open and B-continuity in bitopological spaces. *Al- Manarah* . **13** (3) 89-101, (2007)
118. Decompositions of continuity. *Turk. J. Math.* 30, No. 2, 187-195 (2006). **ISI**
119. Between open and omega-open sets. *Quest. Answers Gen. Topology* 24, No. 2, 67-78 (2006).
120. On The Exponent of Regular p -Groups. *Mutah Lil-Buhuth Wad-Dirasat* ,20 (3) (2005) 31-45.
121. Weak forms of w -open sets and weak form w -continuity. *Mutah Lil-Buhuth Wad-Dirasat* 20 (3) (2005) 47-55.

CONFERENCES

1. GFTA 2008 International Symposium on Geometric Function Theory and its Applications (*S-closed spaces via T-open sets*)
2. 5th, Asian Mathematical Conference, Malaysia 2009 (*characterization of compact spaces*)

TEACHING EXPERIENCE:

I have taught the following courses at Mutah University:

1. Calculus (1), (2), (3) (4).
2. Advance calculus .
3. Set Theory.
4. Linear Algebra (1).
5. Abstract Algebra (1).
6. Differential Equations (1) and (2).
7. Number Theory.
8. Complex Analysis (1).
9. Partial Differential Equations.
10. Special function.
11. Real Analysis (1).
12. Topology (1) and (2)
13. Advance Topology

REFEREE JOURNAL

1. Referee for Hacettepe Journal of Mathematics and Statistics, Turkey (ISI)
2. Referee for Inter. J. Nonlinear Science (uk)
3. Referee for Computers & Mathematics with Applications, Elsevier (ISI)
4. Referee for An Univ. Oradea, fasc. Mat. Romania
5. Referee for Journal of Applied Mathematics and Informatics(JAMI) South Korea
6. Referee for Mathematical communications (ISI)
7. Referee for Journal of Advanced Mathematical Studies
8. Referee for Journal of the Korea Society of Mathematical Education Series B: the Pure and Applied Mathematics

9. Referee for Folimat Journal (ISI)
10. Referee for Abstract and Applied Analysis (ISI)
11. Referee for Demonstratio Mathematica
12. Referee for Appl Math J Chinese Univ
13. Referee for Jordan Journal of Mathematics and Statistics
14. Referee for Applications and Applied Mathematics: An International Journal (AAM)
15. Referee for Neural Computing and Applications (ISI)
16. Referee for Boletim da Sociedade Paranaense de Matemática

CO-AUTHOR: Prof. T. Noiri
Department of Mathematics,
Yatsushiro College of Technology, Yatsushiro, **Japan**

Prof. M.S. Noorani
School of Mathematical Sciences,
Faculty of Science and Technology,
National University of Malaysia, **Malaysia**

Prof. E. Hatir
Department of Mathematics,
Selcuk University Education Faculty,
Meram-Konya, **Turkey**

Prof. S. Jafari
Department of Mathematics,
College of Vestsjaelland South,
Slagelse, **Denmark**

Prof. A. Anguraj
Department of Mathematics,
P. S. G. College of arts and science-
Tamilnadu, **India**

Prof. K. Karthikeyan
Department of Mathematics,
P. S. G. College of arts and science-
Tamilnadu, **India**

Prof. S. Modak
Department of Mathematics,
University of Gour Banga

Tamilnadu, **India**

Prof. S. Al Ghour
Department of Mathematics,
Faculty of Science and Arts,
Jordan University of Science and Technology,
Irbid-Jordan

Dr. Qutaibeh Katatbeh
Department of Mathematics,
Faculty of Science and Arts,
Jordan University of Science and Technology,
Irbid-Jordan

Prof. T. Al-Hawary
Department of Mathematics,
Yarmouk University -Irbid -**Jordan**

Prof. S. Momani
Department of Mathematics,
Jordan University -Amman -**Jordan**

Dr. M. Rashid
Department of Mathematics,
Mutah University -karak -**Jordan**

Dr. O. Jaradat
Department of Mathematics,
Mutah University -karak -**Jordan**

Dr. A. Al-Nayef
Department of Mathematics,
Mutah University -karak -**Jordan**

COMPUTER SKILLS

1. License International Computer Driving (ICDL).
2. The skill of mathematical typing using Latex.
3. The skill of programming using Maple.
4. The skill of using different types of software for graphing.
5. The skill of programming using Mathematica.

English: All of my study (B.S., M.S, Ph.D) are conducted in English language.