

Curriculum Vitae for Dr. Ali Al-Hachami

Personal Information:

Full Name: Ali Khalaf Hussain Al-Hachami.

Date/Place of Birth: 04/01/1976, Thi-qar \ Iraq.

Nationality: Iraqi

Marital Status: Married (3 children)

Languages: Arabic and English

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Employment Information:

Job Title: Tutor.

Scientific degree: Professor Dr.

Address: Department of Mathematics, College of education for Pure Sciences, Wasit University, Kut\ Wasit\ Iraq.

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Qualifications and Degrees:

- **PhD:** Mathematical Analysis, University of St Dundee, UK, **2011**.

Thesis: " Generalised Mathematical Models for 3D Magnetic Reconnection at Null Points ".

Supervisor: Prof. David Pontin.



- **MSc:** General Topology, University of Mustansiriyah, Iraq, **2003**.

Thesis: "*Semi- Separation Axioms*".

Supervisor: Prof. Nader George Mustafa.

- **BSc:** Mathematics, Mustansiriyah, Iraq, **2001**.

Project: "*Analytical Solutions of Ordinary Differential Equations and Their Applications*".

Supervisor: Nader George Mustafa.

Administrative Positions Held.

- Head of mathematics department from 2013-2016 in Education College
- Associate Dean for scientific affairs from 2016-2018 in Education College
- Associate Dean for scientific affairs from 2021-2023 in Education College for Pure Science

Editor-in-chief

- Editor -in-chief for Education College Journal from 2016-2018
- Editor -in-chief Wasit Journal for Pure Science from 2022- to present
- Editor -in-chief Wasit Journal of Computer and Mathematics Sciences from 2022- to present

Thanks, and Estimation and Awards

- **Ali Al-Adeeb** Minister of Higher Education and scientific research, 2011 award for publication papers outside of Iraq, in scientific day
- I have got thanks and estimation from Minister of Higher Education and scientific research (**Ali Al-Adeeb**)
- 7 Thanks and estimation from Minister of Higher Education and scientific research
- 60 from Chancellor of Wasit University.
- 9 from Dean of Science College (Wasit University).
- 90 from Dean of Education College (Wasit University).

- **Teaching Interest**
- Measure theory
- □ Differential Equations.
- □ Complex Analysis.
- □ Numerical Analysis.
- □ Calculus.
- Discrete Structure

Publications and Conference Proceedings:

Mohammed Qassim Moussa and Ali Khalaf Hussain Al-Hachami. (2024), Three Dimensions of Fan Reconnection. Wasit Journal for Pure Science. Volume 3 No. 2, 119-128

Ahmed Kareem Nasser and Ali Khalaf Hussain Al-Hachami. (2024), Applications of Semi-pre-c-Open Sets. Wasit Journal for Pure Science. Volume 3 No. 2, 129-139

Ahmed Hussein Wajan Alrikabiu, Ali Khalaf Hussain Al-Hachami. (2023), On θg^{**} - Closed Sets in Topological Spaces. Wasit Journal of Computer and Mathematics. Volume2 No. 2, 120-134

Ahmed Hussein Wajan Alrikabiu, Ali Khalaf Hussain Al-Hachami, (2023), gsp^{**} - Closed Set in Topological Spaces. Samarra Journal of Pure and Applied Science. 2nd Samarra Local Scientific Conference Proceedings, 3-4/5/2023, 364-375

Ahmed Hussein Wajan Alrikabiu, Ali Khalaf Hussain Al-Hachami. (2023), γpg^{**} - Closed Set in Topological Spaces. Wasit Journal for Pure Science. Volume1 No. 3, 173-183

Nassir Ali Zubain, Al-Hachami, A. K. (2022), Some Types of Closed Functions. NeuroQuantology. Volume 20 Issue 9 Page 3536-3540

Marwa Munther Hassan, Al-Hachami, A. K. (2022), On **Tgp**Topological Space and Some Generalized Closed Sets. NeuroQuantology. Volume20 Issue8 Page 7685- 7690

Marwa Munther Hassan, Al-Hachami, A. K. (2022), On Semi pre-generalized-closed sets. Wasit Journal for Pure Science. Vol. (1) No. (2), 71-86

Marwa Munther Hassan, Al-Hachami, A. K. (2022), Topological Mappings Based on SPG*-Closed. Wasit Journal of Computer and Mathematics Science. Vol. (1) No. (3), 109-119

Mohammed Raheem Taresh, Al-Hachami, A. K. (2022), Some Weak Hereditary Properties. Wasit Journal of Computer and Mathematics Science. V. 1 No. 2, 71-77

Mohammed Raheem Taresh, Al-Hachami, A. K. (2022), On normal space: OR, Og. Wasit Journal for Pure Science. V. 1 No. 2, 61-70

Nassir Ali Zubain, Al-Hachami, A. K. (2022), Certain Types of Function Via Alpha -Open Sets. Wasit Journal for Pure Science. V. 1 No. 2, 96-101

Nassir Ali Zubain, Al-Hachami, A. K. (2022), New Types of Continuous Function and Open Function. Wasit Journal of computer and mathematics. V. 1 No. 2, 55-61

Jassim Saadoun Shuwaie, Al-Hachami, A. K. (2022), On Semi Feebly Separation Axioms. Wasit Journal for Pure Science. Vol. (1) No. (1), 55-70

Jassim Saadoun Shuwaie, Al-Hachami, A. K. (2022), Topological Spaces F_1 And F_2 . Wasit Journal of Computer and Mathematics Science. V. 1 No. 1, 62-70

A. Alkhazragy, Al-Hachami, A. K. and Faik Mayah. (2022), NOTES ON STRONGLY SEMI-CLOSED GRAPH. Herald of the Bauman Mosco state Technical University. (102), 17-27

Ali. Alkhazragy **Faik. Mayah** and Ali Kalaf. H. Al-Hachami, On semi-theta separation axioms, *Journal of Physics: Conference Series*, 2021, 1999(1), 012096

Zainab Awad Kadhum, Ali Khalaf Hussain, A new SEPARATION AXIOM $ii - T_{\frac{1}{4}}$, Journal of Wasit for Science and Medicine 2021: 14 (3), 13-21

Zainab Awad Kadhum, Ali Khalaf Hussain, $ii\delta g$ -closed set-in topological spaces, Int. J. Nonlinear Anal. Appl. 12 (2021) No. 2, 2049-2055

Al-Hachami, A. K. (2020), GENERALISED MODELS FOR TORSIONAL SPINE RECONNECTION. Aust. J. Math. Anal. Appl. 2. (1), 13

Al-Hachami, A. K. (2019), KINEMATIC MODEL FOR MAGNETIC NULL-POINTS IN 2 DIMENSIONS. Aust. J. Math. Anal. Appl. 2. (16), 1-12

Al-Hachami, A. K. (2019), Magnetic Reconnection in the Absence of Three-Dimension Null Point. Herald of the Bauman Mosco state Technical University. (6), 50-66

Al-Hachami, A. K. (2019), Some Feebly Separation Properties. IOP Conf. Series: Journal of Physics: Conf. Series 1294 (2019) 032001 IOP Publishing doi:10.1088/1742-6596/1294/3/032001

Al-Hachami, A. K. (2019), New types of Openness and closed Graph in Topological space. Journal of Modern Mathematics and Statistics. 13.(1), 21-27

Al-Hachami, A. K. (2015), Generalised Models for Magnetic Reconnection with Spine-Aligned Current: Uniform Current. Education college Journal. The 8th international scientific conference for Education college

Al-Hachami, A. K. (2014), Magnetic reconnection at 3D null points: effect of magnetic field asymmetry. Education college Journal. The 7th international scientific conference for Education college

Al-Hachami, A. K. (2013), structure topology of magnetic field closed to the null point. Wasit Journal for Sciences

Al-Hachami, A. K. and Al-Taie, A. H. (2013), Topological study of torsional spine magnetic reconnection at null point. Wasit Journal for Sciences.1:16

Al-Taie, A. H, and Al-Hachami, A. K. (2012), Using the bownd method to solve the integral equations. Al-Kut Journal for Economics and Administration Sciences.

Pontin, D. I., Al-Hachami, A. K., and Galsgaard, K. (2011). Generalised models for torsional spine and fan magnetic reconnection. Astronomy and Astrophysics. 533: A78

Al-Hachami, A. K. and Pontin, D. I. (2010). Magnetic reconnection at 3D null points: effaect of magnetic field asymmetry. Astronomy and Astrophysics, 512: A84.

Al-Hachami, Ali. K, (2006), Ts space and Ts* space.

Al-Hachami, Ali. K, (2005), New types of topological space.

The Principles of Mathematics. Book (2018)

An Introduction to Numerical Analysis and MATLAB Programming. Book (2019)

The 7th International Cambridge Workshop on Magnetic Reconnection, 15- 21 August 2010, St Andrews, UK.

The 4th SOLAIRE Postgraduate School, January 2010, St Andrews, UK.

Workshop on Magnetic Reconnection Theory, August 28 – September 01, 2009, Dundee, UK.

The 7th International Scientific Education College Conference 2014

The 8th International Scientific Education college Conference 2015

The 9th International Scientific Education college Conference 2016

Computer and Software Skills:

- Preparing scientific documents using Latex and Scientific Workplace.
- Programming with Matlab.
- Performing mathematical computations using Maple.