

# Academic Curriculum Vitae



## Personal Information:

**Name:** Gashaw Aziz Mohammed Saleh **Family Name:** MohammedSaleh

**Date and Place of Birth:** 1<sup>st</sup> February 1966 - Erbil- Iraqi.

**Marital Status:** Married, Two children

**Home Address:** No. 79 Zanco Village, Erbil, Iraq **Telephone no. Erbil:**  
+964 750 4886512 (Mobile)

+964 66 2262145 (Department) **E-mail:** gashaw.mohammed@su.edu.krd



## Education:

- 3-3-2013 Awarded **PhD** in Mathematics (**Graph Theory**), Department of Mathematics, College of Science, University of Salahaddin/Erbil, Iraq
- **Ph.D. Thesis:**
- **Supervisor:** Professor Dr. Ali Aziz Ali,
- **Title:** ON THE DETOUR DISTANCE AND DETOUR POLYNOMIALS OF GRAPHS
- 26-11-2000 Complete M. Sc. in Graph Theory, Department of Mathematics, College of Science, Salahaddin University, Iraq.
- **M. Sc. Thesis:**
- **Supervisor:** Assistant Professor Dr. Khidr R. Sharaf,
- **Title:** Upper bounds of the average distance of graphs.
- 22-6-1988 Complete **B.Sc.** Mathematics, at Department of Mathematics, College of Science, Salahaddin University/Erbil, Iraq.
- 1983 Took **Baccalaureate**, at Erbil Secondary School for Girl, Erbil, Iraq

## Employment:

14-3-2017-till date: Assistant Professor, Department of Mathematics, College of Science, Salahaddin University, Kurdistan, Iraq.

13-3-2013-till 13-3-2017: Lecturer, Department of Mathematics, College of Science, Salahaddin

University, Kurdistan, Iraq.

2000-till 12-3-2013: Assistant Lecturer, Department of Mathematics, College of Science, Salahaddin University, Kurdistan, Iraq.

1988-2000: Assistant Researcher, Department of Mathematics, College of Science, Salahaddin University/Erbil, Iraq.

## Qualifications

- Teaching qualifications
- IT qualifications
- Language qualifications such as TOEFL, IELTS or any equivalent
- Any professional qualification
- You could put any professional courses you have attended

## Teaching experience:

- Finite Mathematics
- Linear Algebra
- Calculus
- Graph Theory

## Research and publications

1. [Gashaw A. Mohammed Saleh](#) and Paywand Hakim Aziz, Computation of Detour D-Index and Average Detour D-Distance of Specific Graphs, *Passer Journal*, Vol.6, No.1 (2024), 230-236.
2. Haveen J. Ahmed; Ahmed M. Ali and [Gashaw A. Mohammed Saleh](#), Detour polynomials of coge-complete bipartite graph, *Journal of University of Duhok*, Vol.26, No.1 (2023), 56-60.
3. [Gashaw A. MuhammedSaleh](#), The Restricted Detour Radial Graphs, *Palestine Journal of Mathematics*, Vol. 12(Special Issue I)(2023) , 146–154.
4. [Gashaw A. MuhammedSaleh](#), Characterization of graphs of connected detour number 2, *Kragujevac Journal of Mathematics*, Vol. 47, No.(1) (2023), Pages 119–129.
5. Haveen J. Ahmed; Ahmed M. Ali and [Gashaw A. Mohammed Saleh](#), Detour polynomials of some cog-special graphs, *Journal of Information & Optimization Sciences*, Vol.43, No.2 (2022), 261-278.
6. Haveen J. Ahmed; Ahmed M. Ali and [Gashaw A. Mohammed Saleh](#), Detour polynomials of generalized vertex identified of graphs, *Baghdad Science Journal*, Vol.43, N0.2 (2022), 343-348. DOI: <http://dx.doi.org/10.21123/bsj.2022.6350>
7. Haveen J. Ahmed; Ahmed M. Ali and [Gashaw A. Mohammed Saleh](#), Detour polynomials of vertex coalenscence and bridges coalenscence graphs, *Asian-European Journal of Mathematics*, Vol.15, N0.2 (2022),2250025 (15 pages), <https://doi.org/10.1142/S1793557122500255>.
8. Ahmed Mohammed Ali, Herish Omer Abdullah & [Gashaw Aziz Mohammed Saleh](#), Hosoya polynomials and Wiener indices of carbon nanotubes using mathematica programming, *Journal of Discrete Mathematical Sciences & Cryptography*, Vol, No. 2 Nov (2021); <https://doi.org/10.1080/02522667.2021.1968578>.
9. [Gashaw A. MuhammedSaleh](#), Herish O. Abdullah and Mohammed R. Ahmed, The Restricted Detour Polynomial of a Ladder Graph  $L_n^*$ , *Journal of Zankoy Sulaimani - Part A (JZS-A)*, Vol.(19),

- No.(2), (2017), 157-174.
10. [Gashaw A. MuhammedSaleh](#), Herish O. Abdullah and Mohammed R. Ahmed, The Restricted Detour Polynomials of Some Classes of Thorn Graphs, 6th International Conference and Workshops on Basic and Applied Sciences, AIP Conf. Proc. 1888, 020046-1-020046-14(2017); <https://doi.org/10.1063/1.5004323>
  11. [Gashaw A. MuhammedSaleh](#), Herish O. Abdullah and Mohammed R. Ahmed, The Restricted Detour Polynomials of a Ladder  $L_n$  and a Mobius Ladder  $ML_n$ , ZANCO Journal of Pure and Applied Sciences, Vol.29, No.4 (2017), 105-119.
  12. [Gashaw A. MuhammedSaleh](#), On Minimum Detour Diameters of Graphs, ZANCO Journal of Pure and Applied Sciences, Vol.28, No.2 (2016), 30-34.
  13. Ali A. Ali and [Gashaw A. MuhammedSaleh](#), Detour saturated graph, Mathematical Sciences Letters, Vol.4, No.3 (2015), 1-4.
  14. [Gashaw A. MuhammedSaleh](#), Restricted Detour Polynomials of Straight Chains of Graphs, Journal of Zankoy Sulaimani - Part A (JZS-A), Vol.(17), No.(2), (2015), 63-70.
  15. Ali A. Ali and [Gashaw A. MuhammedSaleh](#), The Detour Polynomials and Detour Index of an m-Ring of  $2n$ - Cycles,  $m, n \geq 2$ , Math. Sci. Lett. Vol.3, No. 2, 97-105 (2014).
  16. Ali A. Ali and [Gashaw A. MuhammedSaleh](#), On Detour Self-Centered Graph, Zanco journal of pure and applied Sciences, Vol. 26, No. 1 (2014), 53-62.
  17. Ali A. Ali and [Gashaw A. MuhammedSaleh](#), The Detour Polynomials of the Corona of Graphs, Raf. J. Comp. Sci. and Math's, Vol.10, No.3 (2013), 55-62.
  10. Ali A. Ali and [Gashaw A. MuhammedSaleh](#), The Restricted Detour Polynomials of a Hexagonal Chain and a Ladder Graph, J. Math. Comput. Sci. 2 (2012), No. 6, 1622-1633.
  11. Ali A. Ali and [Gashaw A. MuhammedSaleh](#), The Detour Polynomials and Indices of Some Special Ladder Graphs, J. Appl. Sci. Res., Vol.8, No. 6 (2012).
  12. Ali A. Ali and [Gashaw A. MuhammedSaleh](#), The Detour Polynomials of Ladder Graphs, Raf. J. Comp. Sci. and Math's, Vol.9, No.1 (2012).
  13. Herish O. Abdullah and [Gashaw A. MuhammedSaleh](#), Detour Hosoya Polynomials of Some Compound Graphs, Raf. J. of Comp. & Math's. , Vol. 7, No. 1(2010), 199-209.
  14. [Gashaw A. Mohammed-Saleh](#), Hosoya Polynomials of some composite graphs, Zanco journal of pure and applied Sciences, Vol. 21, No. 1 (2009), 61-65 .
  15. Khidir R. Sharaf and [Gashaw A. MohammedSaleh](#), Upper bounds for the average distance of graphs, (JDU) Journal of Dohuk University, Vol. 9, No. 2 (2006), 109-115.

## Conferences and courses attended

1. Member of the organizing committee of the AESIM School is held at College of Science, Salahaddin University-Erbil, from February, 25, 2024 to March 7, 2024.
2. Member of the organizing committee of the Second International Conference of Mathematics (SICME2019) is held at College of Science, Salahaddin University-Erbil, 3-5-February, 2019.
3. Participate in an international workshop entitled "Some basic mathematics in cryptographic protocols" in 29<sup>th</sup> April - 3<sup>rd</sup> May, 2018 at Mathematics department, College of Science, Salahaddin University, Erbil.
4. Participate in the national conference of pure and applied mathematics and mathematics education (NCPAME- 2018) which was held on February 11-12, 2018 in Erbil, KRGF-IRAQ by Faculty of Education of Ishik University.
5. Members of the Committee of Scientific Promotion in the college of Science (13-10-2017)- to Date.

6. Participate in a WAMS research school, Topics in Analytic and Transcendental Number Theory Institute for Advanced Studies in Basic Sciences (IASBS) Zanjan, Iran - July 1th - July 13th 2017.
7. Present the paper entitled " The Restricted Detour Polynomials of Some Classes of Thom Graphs" in the 6<sup>th</sup> International Conference and Workshops on Basic and Applied Sciences (6<sup>th</sup> ICOWBAS 2017), 18-19 March 2017, Erbil-Kurdistan Region-Iraq.

## Funding and academic awards

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## Professional memberships

- Kurdistan Teachers Union

## Professional Social Network Accounts:

- [https://scholar.google.com/citations?hl=en&user=jJOKBIMAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com/citations?hl=en&user=jJOKBIMAAAAJ&view_op=list_works&sortby=pubdate).
- [https://www.researchgate.net/profile/Gashaw-Mohammed-Saleh?ev=hdr\\_xprf](https://www.researchgate.net/profile/Gashaw-Mohammed-Saleh?ev=hdr_xprf)
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## Editorial Boards:

1. Editorial board of International Journal of Mathematics Research (of IJMR)(1-1-2017 till 1-1-2018)
2. Editorial board of Global Journal of Theoretical and Applied Mathematical Sciences (GJTAMS) (1-1-2017 till date)
3. Editorial board of International Journal of Computational Science and Mathematics (IJCSM) (1-1-2017 till date)

## I was the supervisor of the following MSc and PhD theses

1. **Haveen Jalal Ahmed**, On detour polynomials of generalization vertices identified and edges introducing and some cog-special graphs, PhD thesis, University of Duhok-College of Science-Department of Mathematics, Day of discussion: 5-1-2023.
2. **Mohammed Rahman Ahmed**, Restricted Detour polynomials of Some Graphs, MSc thesis, University of Salahaddin/Erbil-College of Science-Department of Mathematics, Day of discussion: 2-3-2017.

## I was one of the members of the examination committee for discussing the following MSc and PhD theses:

1. **Mahera RabeeQasem**, PhD thesis, University of Tikrit, College of Computer Science and Mathematics-Department of Mathematics, Day of discussion: 22-6-2023.
2. **Gohdar Hashem Mohiaddin**, PhD thesis, University of Zakho, Faculty of Science -Department of

- Mathematics, Day of discussion: 6-2-2020.
3. **Didar A. Ali**, PhD thesis, University of Zakho, Faculty of Science -Department of Mathematics, Day of discussion: 19-9-2017.
  4. **Jian I. Omer**, M.Sc. thesis, University of Salahaddin/Erbil, College of Science -Department of Mathematics, Day of discussion: 28-11-2016.

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