

Curriculum Vitae

Personal details:

Name: Gashaw Aziz Mohammed Saleh

Family Name: MohammedSaleh

Date and Place of Birth: 1st February 1966 – Erbil- Iraqi.

Marital Status: Married, Two children

Home Address: No. 79 Zanco Village, Erbil, Iraq

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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

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.

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

Experiences:

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.

Publications:

1. Gashaw A. Muhammed-Saleh, 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.
2. Gashaw A. Muhammed-Saleh, 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>
3. Gashaw A. Muhammed-Saleh, Herish O. Abdullah and Mohammed R. Ahmed, The Restricted Detour Polynomials of a Ladder L_n^{**} and a Möbius Ladder ML_n , **ZANCO Journal of Pure and Applied Sciences**, Vol.29, No.4 (2017), 105-119.
4. Gashaw A. Muhammed-Saleh, On Minimum Detour Diameters of Graphs, **ZANCO Journal of Pure and Applied Sciences**, Vol.28, No.2 (2016), 30-34.
5. Ali A. Ali and Gashaw A. Muhammed-Saleh, Detour saturated graph, **Mathematical Sciences Letters**, Vol.4, No.3 (2015), 1-4.
6. Gashaw A. Muhammed-Saleh, Restricted Detour Polynomials of Straight Chains of Graphs, **Journal of Zankoy Sulaimani – Part A (JZS-A)**, Vol.(17), No.(2), (2015), 63-70.
7. Ali A. Ali and Gashaw A. Muhammed-Saleh, 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).
8. Ali A. Ali and Gashaw A. Muhammed-Saleh, On Detour Self-Centered Graph, **Zanco journal of pure and applied Sciences**, Vol. 26, No. 1 (2014), 53-62.
9. Ali A. Ali and Gashaw A. Muhammed-Saleh, 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. Muhammed-Saleh, 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. Muhammed-Saleh, 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. Muhammed-Saleh, 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. Muhammed-Saleh, Detour Hosoya Polynomials of Some Compound Graphs, **Raf. J. of Comp. & Math's.** , Vol. 7, No. 1(2010), 199-209.
14. Gashaw A. Muhammed-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. Muhammed-Saleh, Upper bounds for the average distance of graphs, (JDU) **Journal of Dohuk University**, Vol. 9, No. 2 (2006), 109-115.

Scientific Conferences, schools workshop and Memberships

1. 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.
2. Participate in an international workshop entitled “Some basic mathematics in cryptographic protocols” in 29th April – 3rd May, 2018 at Mathematics department, College of Science, Salahaddin University, Erbil.
3. 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.
4. Members of the Committee of Scientific Promotion in the college of Science (13-10-2017)- to Date.
5. 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.

6. Present the paper entitled " The Restricted Detour Polynomials of Some Classes of Thorn Graphs" in the 6th International Conference and Workshops on Basic and Applied Sciences (6th ICOWBAS 2017), 18-19 March 2017, Erbil-Kurdistan Region-Iraq.

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 \(IJCSM\) \(1-1-2017 till date\)](#)

Subjects of interest:

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|-------------------------|---------------------|
| (1) Graph Theory, | (2) Linear Algebra, |
| (3) Finite Mathematics, | (4) Calculus. |

I was the supervisor of the following MSc and PhD theses

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