Curriculum Vitae

Personal details

Name: Herish Omer Abdullah

Date & Place of Birth: 15 November, 1969, Erbil, Kurdistan Region-Iraq.

Marital Status: Married, two children, Aland (2004) and Ares (2007).

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Education

- 2007 **Ph.D.** in Graph Theory, Department of Mathematics, College of Science, Salahaddin University-Hawler, Kurdistan Region-Iraq.

  Title of Ph.D. Thesis

  Hosoya Polynomials of Steiner Distance of Some Graphs.

- 1998 **M.Sc.** in Applied Algebra (Group Representation Theory)**,** School of Applied Sciences, Department of Mathematics, University of Technology-Baghdad, Iraq.

  Title of M.Sc. Thesis:

  Some Computational Results on the Factor Group $K_{Z_p}^{(n)}$.

- 1991 **B.Sc.** in Mathematics, Department of Mathematics, College of Science, Salahaddin University-Hawler, Kurdistan.

- 1986 **High School** degree, Kurdistan Secondary School, Erbil, Kurdistan Region- Iraq.

Experiences

- 2015 to Date: Dean of College of Sciences, Salahaddin University-Hawler.
- Member of the American Mathematical Society AMS (2011).
- 2010: Assistant Professor, Department of Mathematics, College of Science, University of Salahaddin-Hawler.
- 2008 to 2015: Head of the Department of Mathematics, College of Science, Salahaddin University-Hawler.
- 2007-2008: Assistant Dean / College of Science, Salahaddin University-Hawler.
- 2007: Lecturer, Department of Mathematics, College of Science, University of Salahaddin-Hawler.
- 2002-2004: Registrar of the College of Science, Salahaddin University-Hawler.

- ❖ 1999-2002: Coordinator of Department of Mathematics, College of Science, Salahaddin University-Hawler.
- ❖ 1998: Assistant Lecturer, Department of Mathematics, College of Science, University of Salahaddin-Hawler.

Visits, Schools, Workshops & Conferences

- ❖ Chair of the Organizing Committee of West Asia Mathematical School, WAMS-CIMPA, Kurdistan-Iraq: Boundary Value Problem and Approximations, December, 20-30, 2015. science.su.edu.krd
- ❖ Chair of the Organizing Committee of CIMPA Research School, Kurdistan-Iraq: Inverse Problems, Theory and Applications, May, 5-14, 2014.
- ❖ From 2009 to date Chair of the Organizing Committee of CIMPA-Workshops at Department of Mathematics, College of Science, Salahaddin University.
- ❖ Chair of the Organizing Committee of the First Iraqi-French Conference of Mathematics, 2009.
- ❖ December 16, 2011 till June 16, 2012; Sabbatical leave to the university of Pierre et Marie Currie (Paris 6)/ France.
- ❖ December 30, 2009 till January 30, 2010 Visit to the University of Saint-Etienne/ France for developing cooperation and joint research.
- ❖ Organizing the following workshops & seminars at Salahaddin University- Hawler, college of Science
  - Caucher Birkar, University of Cambridge, *Algebraic Geometry*, 25 of November to 3 of December, 2010, CIMPA workshop.
  - Reza Sazeedeh, University of Urmia- Iran, *A Mini Course on Commutative Algebra*, 3- 11 January 2011, CIMPA workshop.
  - Sahib Qahraman, Ministry of Plan- KRG, *Statistics and its applications*, 6-8 February, 2011.
  - Michel Jambu, Centre International de Mathématiques Pures et Appliquées, *Some Topics in Mathematics*, February 10 to February 16, 2011, CIMPA Seminar.
  - Alain Faisant, Saint-Ettienne, *Number Theory*, 4-11 April 11, 2011, CIMPA Seminar.
- ❖ IPM-CIMPA-UNISCO-School, Tehran, Representation of Algebra (2007).

Publications

1. Herish O. Abdullah and Ivan Dler;(2014), "**Restricted Detour Polynomials of the Theta Graph",** Al-Rafiden Journal of Computer Sciences and Mathematics, Accepted for publication.
2. Herish O. Abdullah and Mohammad Eftikhari;(2013), " **Cryptanalysis and Improvements on Some Graph-Based Authentication Schemes",** TARU Publications, Accepted.

3. Herish O. Abdullah and Ali A. Aziz;(2011), **Hosoya Polynomials of Steiner Distance of Some Graphs,** LAMBERT Academic Publisher, UK.

4. Herish O. Abdullah;(2010), "**Hosoya Polynomials of Steiner Distance of the Composition of Graphs**", Zanco Journal of Pure & Applied Sciences, Vol. 22, No.3.

5. Herish O. Abdullah and Gashaw Aziz Hama-Salh;(2009), "**Detour Hosoya Polynomials of Some Compound Graphs",** Al-Rafiden Journal of Computer Sciences and Mathematics.

6. Herish O. Abdullah;(2008), "**Hosoya Polynomials of Steiner Distance of the Sequential join Graphs**", Al-Rafiden Journal of Computer Sciences and Mathematics.

7. Ali A. Aziz and Herish O. Abdullah;(2008), "**Hosoya Polynomials of Steiner Distance of Complete m-Partite Graphs and Straight Hexagonal Chains**", Al-Rafiden Journal of Computer Sciences and Mathematics, Vol. 15, No. 1.

8. Ali A. Aziz and Herish O. Abdullah;(2008), "**Hosoya Polynomials of Steiner Distance of an m-Cube and the Square of a path**", Al-Rafiden Journal of Computer Sciences and Mathematics, Vol. 21, No. 2.

9. Ali A. Aziz and Herish O. Abdullah;(2007), "**Hosoya Polynomials of Steiner Distance of the Sequential Join of Empty Graphs and of Complete Graphs**", Al-Rafiden Journal of Computer Sciences and Mathematics, Vol. 10, No. 1.

10. Herish O. Abdullah and Ivan Dler;(2013), "**The restricted detour polynomial of the theta graph**", Al-Rafiden Journal of Computer Sciences and Mathematics.(accepted)

Teaching Experiences

- ❖ Finite Mathematics.
- ❖ Calculus I, II, III.
- ❖ Graph Theory, Master Course.
- ❖ Abstract Algebra.
- ❖ Numerical Analysis.
- ❖ Number Theory & Cryptography.