

CURRICULUM VITAE

HERO WAISI SALIH

Work Address: Lecturer in Mathematics Dept. – College of Science
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PERSONAL DETAILS

Place of Birth: Erbil \ Iraq

Date of Birth: 2/12/1980

Gender: female

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EDUCATIONAL QUALIFICATIONS

2011 – 2015: PhD. Student in Mathematical Science

Universiti Teknologi Malaysia- Faculty of Science- Mathematical
Science Department, Johor– Malaysia

Thesis Title: Solution of Hilbert Sixteenth Problem for the Cubic Liénard
and Quartic

Polynomial Differential System

2006 – 2008: Master of Science in Mathematics,

Koya University \ College of Science -Mathematics Department

Thesis Title: Computation the Lyapunov Quantities for Lopsided Systems.

1999- 2003: Bachelor of Science in Mathematics

Salahadden University\ College of Science – Mathematics Department

WORK EXPERIENCE

2017-present: Lecturer in Mathematics Dept. – College Science Salahaddin University

2015-2017: Lecturer in Mathematics Dept. – Faculty of Science & Health University of Koya

2011-2015: PhD Student in Mathematical Science, Universiti Teknologi Malaysia- Faculty of Science- Mathematical Science Department, Johor–Malaysia

2008-2011: assistant Lecturer at Mathematics department- Faculty of Science & Health- Koya University

2006-2008: assistant Researcher in center library of Koya University.

2003-2006: ass. Researcher in center library of Salahaddin University

COURSES

2019: Statistics and Statistical Data Analysis with SPSS, GraphPad Prism, Mathematics Department, College of Science, Salahaddin University-Erbil.

2010: Teaching methods training course at Faculty of Education / Koya University.

2009: Computer Training Course at Koya University.

2009: English Training Course at Koya University

RESEARCH AND PUBLICATIONS

A- Journal Articles

1) Hero Waisi Salih and Zainal Abdul Aziz. “Computation of Lyapunov Quantities of Homogeneous Quartic Polynomial System”, (2013), Matematika Vol. 29, No. 1, 73-83 (with Hero Waisi Salih). (Indexed: MyAIS) (2014 Malaysian Mathematical Science Society (PERSAMA) Award for Research Paper Category).

2) Hero Waisi Salih, Zainal Abdul Aziz, and Faisal Salah. "Maximum number of limit cycles of cubic Liénard differential system", Vol 8, 64 (2014): 3161-3171 Applied Mathematical Sciences (Indexed: SCOPUS) <http://dx.doi.org/10.12988/ams.2014.43147>.

3) Hero Waisi Salih and Zainal Abdul Aziz. "Maximum number of limit cycles of a general Lienard equation", AIP Conference Proceedings 1602, 121 (2014); doi:10.1063/1.4882476 (<http://dx.doi.org/10.1063/1.4882476>) (Indexed: SCOPUS).

4) Hero Waisi Salih, Zainal Abdul Aziz, and Faisal Salah "Number of limit cycles for homogeneous polynomial system", (2015) Vol. 9, 2015, no. 22, 1077-108, International Journal of Mathematical Analysis (Indexed SCOPUS). <http://dx.doi.org/10.12988/ijma.2015.5231>.

5) Hero Waisi Salih and Zainal Abdul Aziz. "Computation of Lyapunov quantities for a non-homogeneous cubic Liénard Polynomial system", International Journal of Mathematics and Statistics vol. 53(3) 159-164 (2015) (Indexed: SCOPUS) ISSN: 0973-8347.

6) Hero Waisi Salih. "Investigation of the Stability of the Melting Liquid Phase Nanoparticle Model". (accepted) Jurnal Zanko 2019 (Indexed: DOIJ).

7) Hero Waisi Salih, A. Nachaoui. Computing general form of the focal value and Lyapunov function for the lopsided system in degree eight.

B- Conference

1. Hero Waisi Salih and Zainal Abdul Aziz. "Maximum number of limit cycles of a general Liénard equation" Oral presentation at the 3rd international conference on mathematical sciences(ICMS3-2013), 17–19 December 2013, Putra World Trade Centre, Kuala Lumpur, Malaysia. AIP Conf. Proc. , vol. 1602. Published at 19 June 2014.

2. Hero Waisi Salih and Zainal Abdul Aziz. “Stability and the Unique Limit Cycle of Liénard Equation”. Oral presentation at the 2nd International Science Postgraduate Conference 2014 (ISPC2014) © Faculty of Science, Universiti Teknologi Malaysia, 10-12 March 2014, Ibnu Sina institute for fundamental science studies, Universiti Teknologi Malaysia.

3. Hero Waisi Salih and Zainal Abdul Aziz. “Computation of Lyapunov Quantities for a Nonhomogeneous Cubic Liénard Polynomial System”. Oral presentation at the 5th International Graduate Conference on Engineering Science & Humanity 2014 (IGCESH 2014), 19-21 August, N24, Universiti Teknologi Malaysia.

4. Hero Waisi Salih and Zainal Abdul Aziz. “Investigation of the Stability and Existence of the Limit Cycles in Nanoparticle Model” Oral presentation at the 3rd International Science Postgraduate Conference 2015 (ISPC2015) © Faculty of Science, Universiti Teknologi Malaysia, 24-26 February, 2015, Ibnu Sina Institute for fundamental science studies, Universiti Teknologi Malaysia.

5. Hero Waisi Salih "Computation of Lyapunov Quantities of Homogeneous Polynomial System of degree five" Oral presentation at the 6th International Conference and Workshop on Basic and Applied Sciences 2017(ICOWOBAS2017) 18th-19th March 2017 , Salahadden University , Erbil- Kurdistan Region –Iraq.

6. Hero Waisi Salih. “Investigation of the Stability of the Melting Liquid Phase Nanoparticle Model”. Oral presentation at the 2nd International conference of Mathematics 2019(SICME 2019) February 3rd -5th , 2019 in Erbil, Kurdistan Region of Iraq at Mathematics Department, college of Science, Salahaddin University- Erbil.

7. Hero waisi Salih and Abdeljalil Nachaoui. “study of the stability for Drug Drelivery Model”. Oral presentation at the International conference on Mathematics & Data Science (ICMDS)2020

AWARDS

2014 Malaysian Mathematical Sciences Society (PERSAMA) Award Research Paper Category, "Computation of Lyapunov quantities of homogeneous quartic polynomial system", MATEMATIKA 29, 73-83. (with Zainal Abdul Aziz)

WORKSHOP AND CONFERENCE ATTENDS

- 1) The First French Mathematic International Conference in Hawler, on Nov. 2010 at College of Science-Salahadden University, Erbil- Kurdistan Reign-Iraq.
- 2) The 3rd International Conference on Mathematical Sciences (ICMS3), on Dec. 2013, at School of Mathematical Sciences – Faculty of Sciences and Technology- University Kebangsaan Malaysia.
- 3) 2nd International Sciences Postgraduate Conference 2014(ISPC2014), on Mar. 2014, at Ibnu Sina Institute for Fundamental Sciences Studies, Universiti Teknologi Malaysia, 81310 UTM Johor Bahru, Johor, Malaysia .
- 4) 2nd International Mathematics in Industry Study Group Malaysia (MISG-2014) Held Between Mar.17-21,2014, at Sultan Ibrahim Chancellery Building Universiti Teknologi Malaysia, 81310 UTM Johor Bahru, Johor, Malaysia .
- 5) 5th International Graduate Conference on Engineering, Science and Humanities. on Aug. 2014, Block N24, Universiti Teknologi Malaysia, 81310 UTM Johor Bahru, Johor, Malaysia .
- 6) EZTEMPLATE + MENDLEY workshop 2014 on Nov.2014 at computer lab3,C22, department of Mathematical Sciences, faculty of sciences, Universiti Teknologi Malaysia, 81310 UTM Johor Bahru, Johor, Malaysia.

- 7) 3rd International Sciences Postgraduate Conference 2015(ISPC2015) on Feb. 2015, at Ibnu Sina Institute for Fundamental Sciences Studies, Universiti Teknologi Malaysia, 81310 UTM Johor Bahru, Johor, Malaysia.
- 8) Workshop on COMSOL MULTIPHYSICS held on the Mar.2015 at Ibnu Sina Institute for Fundamental Sciences Studies, Universiti Teknologi Malaysia, 81310 UTM Johor Bahru- Johor, Malaysia.
- 9) 1Day Workshop : Plagiarism, Paraphrasing and TURNITIN , on 14th May 2015 at seminar room 2, level 4,T05, Faculty of Sciences, Universiti Teknologi Malaysia, 81310 UTM Johor Bahru, Johor, Malaysia
- 10) Topics in algebraic number theory and Diophantine approximation: partnership with CIMPA at the Salahaddin University-Erbil-Mathematics Department- Kurdistan region- Iraq from 12-17 March 2017.
- 11) The 6th International Conference and Workshop on Basic and Applied Sciences 2017(ICOWOBAS2017) 18th-19th March 2017, Salahaddin University, Erbil- Kurdistan Region –Iraq.
- 12) 1 day workshop: mathematical application in the real life, on 21st May 2017, Faculty of Science and Health, Koya University.
- 13) 5th International Conference on Applied Science, Energy and Environment (ICASEE2018), 7th-8th April 2018, Ishik University Erbil KRG-Iraq.
- 14) National Conference on Pure and Applied Mathematics and Mathematics Education(NCPAME2018), 11th-12th February 2018, Ishik University Erbil KRG-Iraq.
- 15) International Workshop: Some Basic Mathematics in Cryptographic Protocols. 29th April -3rd May 2018 Mathematics Dep. College of Science, Salahaddin University-Erbil.
- 16) An International Workshop of Mathematics and Physics with their Applications” In October 3rd -4th , 2018, at College of Science, Salahaddin University-Erbil

17) International Workshop: Control and Optimization with Industrial Applications. 19th -29th December 2018 Mathematics Dep. College of Science, Salahaddin University-Erbil.

18) the west Asia Mathematical School(WAMS-Izmir-2019): Mathematics and their interaction. 27th October- 3rd November 2019. At Nesin Mathematics Village-Izmir Turkey.

19)) International Workshop in cooperation with the university of Dyala and Salahaddin University. 19th -28th December 2018 Mathematics Dep. College of Science, Salahaddin University-Erbil.

20) an international workshop of Mathematical concepts in the context of Physics problem. 31st December 2019 Mathematics Dep. College of Science Salahaddin University.