

Curriculum Vitae (C.V)

Name: **Hameed Husam Hameed**

Nationality: **Iraqi**

Place and Date of birth: **Al-Suwarah\ Wasit\ Iraq-18/07/1971**

Address: **Iraq-wasit\AL-Suwarah\ Technical Institute of Al-Suwarah**

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Academic Qualifications

B. Sc. Certificate in applied mathematics from University of Technology, 1993, Iraq.

M Sc. Certificate in applied mathematics from University of Technology, 2000, Iraq.

Title of Thesis: Mathematical Model of Laser Interactions with Solid.

Ph.D. Certificate in applied mathematics from Universiti Putra Malaysia (UPM), 2016, Malaysia. Title of Thesis Newton-Kantorovich Method for Solving One and Two Dimensional Nonlinear Volterra Integral Equation of the Second Kind.

Languages: **Arabic (Mother Tongue), English.**

Associations and unions

Member of Iraqi Physics and Mathematics Society.

Member of the Iraqi Academic Syndicate.

Member of Iraqi Al- Khwarizmi Association

Technical Skills:

Computer programming: Matlab, Python.

Occupations:

2005- present: Faculty member, Foundation of Technical Education (Middle Technical University).

1/10/2017 to 1-7-2018: lecturer in the Department of Mathematics - Faculty of Education - Wasit University.

Teaching Experience

No.	Subject	Place	Level
1-	Mathematics	Department of Machinery and Equipment\ Technical Institute of Al-Suwiarah\Wasit\Iraq.	1 st
2-	Mathematics	Department of Mechanics\ Technical Institute of Al-Suwiarah\Wasit\Iraq.	1 st
3-	Mathematics	Department of Electricity Techniques\ Technical Institute of Al-Suwiarah\Wasit\Iraq.	1 st
4-	Principles of Statistics	Department of Accounting Techniques\ Technical Institute of Al-Suwiarah\Wasit\Iraq.	1 st
5-	Computers	Department of Machinery and Equipment\ Technical Institute of Al-Suwiarah\Wasit\Iraq.	1 st and 2 nd
6-	Mathematics	Department of Chemistry / College of Science for Girls / University of Baghdad.	1 st
7-	Functional Analysis	Mathematical Department\ Faculty of Education\ Wasit University.	4 th

Research interests

Big Data Analysis, Data Science, Topological Data Analysis, Applications of Integral Equations, and Applications of mathematical models.

Publications

- 1- Hameed, Hameed Husam , Hayder M. Al-Saedi, “The majorant function modelling to solve nonlinear algebraic system” Journal of Interdisciplinary Mathematics, Vol. 24, pp. 1825-1829, 2021.
- 2- Hayder M. Al-Saedi, and Hameed, Hameed Husam. “Mathematical modeling for COVID-19 pandemic in Iraq”, Journal of Interdisciplinary Mathematics, Vol.24, pp. 1407-1427, 2021.

- 3- Hameed, Hameed Husam, and Hayder M. Al-Saedi. "Three-Dimensional Nonlinear Integral Operator with the Modelling of Majorant Function." *Baghdad Science Journal* 18.2 (2021): 0296-0296.
- 4- ZK Eshkuvatov, Hameed Husam Hameed, BM Taib, NMA Nik Long, *General 2×2 system of nonlinear integral equations and its approximate solution*, journal of Computational and Applied Mathematics, Vol. 361, pp. 528-546, 2019.
- 5- Hameed Husam Hameed, Z. K. Eshkuvatov, N. M. A. Nik Long, *On the Solution of Multi-Dimensional Nonlinear Integral Equation with Modified Newton Method*, Journal of Computational and Theoretical Nanoscience, Vol. issue. 11, pp. 5298-5303, 2017.
- 6- Hameed Husam Hameed, *On Nonlinear Integral Operator of Trigonometric Type Using Modified Newton Method*, Thi-Qar University, Vol. 7, issue 2, pp. 1-21, 2017
- 7- Hameed Husam Hameed, Z. K. Eshkuvatov and N. M. A. Nik Long. *On the $n \times n$ System of Nonlinear Volterra Integral Equations with Newton-Kantorovich Method*, Journal Science Asia . Vo1 42s, 2016
- 8- Hameed Husam Hameed, Z. K. Eshkuvatov, N. M. A. Nik Long. *An approximate solution of two dimensional nonlinear Volterra integral equation using Newton-Kantorovich method*, Malaysian Journal of Science , 35 (1): 40 – 47, 2016.
- 9- Z. K. Eshkuvatov, Hameed Husam Hameed, N. M. A. Nik Long. *One Dimensional Nonlinear Integral Operator with Newton-Kantorovich method*, Journal of King Saud University – Science, Volum 28, Issue 2, pp. 172-177, 2016
- 10- Hameed Husam Hameed, Z. K. Eshkuvatov, Anvarjon Ahmedov and N. M. A. Nik Long, *On Newton-Kantorovich Method for Solving the Nonlinear Operator Equation*, Abstract and Applied Analysis. Volume 2015, Article ID 219616,12 pages. 2015.
- 11- Hameed Husam Hameed, Z. K. Eshkuvatov, Z. Muminov, and Adem Kilicman. *Solving system of nonlinear integral equations by Newton-Kantorovich method*, AIP. Proceedings of the 21st National Symposium on Mathematical Sciences (SKSM21). 1605, 518 (2014); doi: 10.1063/ 1.4887642. 2014.
- 12- Hameed Husam Hameed, Hayder M Abbas, Zahraa A Mohammed, *Taylor Series Method for Solving Linear Fredholm Integral Equation of Second Kind Using*

MATLAB, Journal of Babylon University/Pure and Applied Sciences/ No.(1)/ Vol.(19): 2011.

- 13- Hameed Husam Hameed, *The Permutations Algorithm to Solve the Graph Isomorphism*, Altiraqni Journal, 2009.
- 14- Hameed Husam Hameed, Hayder M Abbas, *Numerical Treatment of Laser Interaction With Solid in One Dimension*, journal of Kufa – physics, V1.1, No.2, 2009.

Scientific Conferences

1. Co-designing the Future of Higher Education, The Regional Center for Educational Planning, 2022.
2. Iraqi Academics Syndicate International Conference for Pure and Applied Sciences (IICPS), Babylon Branch, Babylon, Iraq. 2021.
3. 6th International Conference on Mathematical Sciences and Computer Engineering (ICMSCE 2019 Langkawi, Malaysia) , 4th-5th July 2019.
4. Second International Conference for Applied and Pure Mathematics (SICAPM 2019), 27th-28th Feb. 2019. Iraq.
5. Ibn AL-Haithm 1st International scientific conference. 2017.
6. 7th International Conference on Research and Education in Mathematics (ICREM7). UPM- INSPERM. 25- 27 August 2015.
7. The 2nd International Mathematical Sciences and Conference on Computer Engineering (ICMSCE 2015). Langkawi, Malaysia. 5-6 February 2015.
8. Fundamental Science Congress (FSC 2014). UPM. 19-20 August 2014.
9. The 3rd International Conference on Quantitative Sciences and Its Applications (ICOQSIA 2014). UUM. 12-14 August 2014.
10. International Conference and Workshop on Mathematical Analysis (IC- WOMA). Putrajaya, Malaysia, 27-30 may 2014.
11. The 21st National Symposium on Mathematical Sciences (SKSM21). Penang, Malaysia, 6 8 November 2013.
12. Seminar and Workshop on Numerical Analysis (SAWONA 2013). UPM. 23-24 April 2013.

Workshops

- 1- A webinar about how to be a scientific evaluator in the Publons platform, Continuous Education Centre, Middle Technical University. 2023.
- 2- A workshop of Future Directions of the Internationalization of Higher Education, The Regional Center for Educational Planning, 2022.
- 3- A webinar about the importance of the ResearchGate platform, Continuous Education Centre, Middle Technical University. 2021.
- 4- A workshop of how to use (Latex) in writing a research paper / College of Education for Pure Sciences / University of Karbala. For the period from 4-7/2020
- 5- A workshop of Fulbright Visiting Scholar Program , sponsored by Iraqi Academics Syndicate in cooperation with AMIDEAST, 14th Nov. 2019. Iraq.
- 6- Train of the Trainers , Training Program, (Kingston Business Academy of Higher Education) , During 40 Hours Training Course From 4th – 15th Jan. 2019.
- 7- A workshop in entrepreneurship, sponsored by (Al-Tomoh Engineering), Support and Development Foundation, Baghdad, 2018.
- 8- LaTeX Workshop, 8 September 2015 , Department of Mathematics, Universiti Putra Malaysia.
- 9- Mat Lab, 7 May 2014, Department of Mathematics, Faculty of Science, Universiti Putra Malaysia.
- 10- One Day Seminar in Mathematics, 3 April 2013, Universiti Malaya, Malaysia.
- 11- Course in Teaching Methods, Staff Development Center, Foundation of Technical Education, Baghdad, 2006.

Current projects

- 1- Mathematical Modeling for Tumors Growth.
- 2- Mathematical Modelling for Pandemics.