Curriculum Vitae (C.V)

Name: **Hameed Husam Hameed**

Nationality: **Iraqi**

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

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

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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 University 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: (proficient).

Associations and Unions

Member of Iraqi Physics and Mathematics Society.

Member of the Iraqi Academic Syndicate.

Member of Iraqi Mathematics Association

Technical Skills:

Computer programming: Matlab and Python. Academic Writing: Latex.

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.	1st
2-	Mathematics	Department of Mechanics\ Technical Institute of Al-Suwiarah\Wasit\Iraq.	1st
3-	Mathematics	Department of Electricity Techniques\ Technical Institute of Al-Suwiarah\Wasit\Iraq.	1st
4-	Principles of Statistics	Department of Accounting Techniques\ Technical Institute of Al-Suwiarah\Wasit\Iraq.	1st
5-	Computers	Department of Machinery and Equipment\ Technical Institute of Al-Suwiarah\Wasit\Iraq.	1st and 2nd
6-	Mathematics	Department of Chemistry / College of Science for Girls / University of Baghdad.	1st

7-	Functional Analysis	Mathematical Department\ Faculty of Education\ Wasit University.	4th
8-	Applied Topology	Department of Mathematics\ Faculty of Science \ University of Baghdad.	4th

Research Interests

1) Mathematical Modeling for Epidemiology.

2) Mathematical Modeling for Data Analysis.

3) Computational Mathematics.

Publications

1- Huda Hazim Mohammed, Hayder M Al-Saedi, Hameed Husam Hameed, "Mathematical modelling for evaluating efficacy in COVID-19 vaccine trials: A case study in Iraq", AIP Conference Proceedings, Vol. 2845, 60021-1- 60021-13, 2023.

2- Hameed Husam Hameed, Hayder M Al-Saedi, Mohammed H Al-Mayyah, "Mathematical Modelling for Cholera Epidemic in Iraq", 2023 5th International Conference on Problems of Cybernetics and Informatics (PCI), 2023.

3- Hameed Husam Hameed & Hayder M. Al-Saedi, "The majorant function modelling to solve nonlinear algebraic system", Journal of Interdisciplinary Mathematics, Vol. 24, 1825-1829, 2021.

4- 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.

5- 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.

6- 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.

7- 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.

8- 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.

9- Hameed Husam Hameed, Z. K. Eshkuvatov and N. M. A. Nik Long. *On the n × n System of Nonlinear Volterra Integral Equations with Newton-Kantorovich Method*, Journal Science Asia . Vo1 42s, 2016.

10-   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.

11-   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

12-   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.

13- 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.

14- 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.

15- Hameed Husam Hameed, *The Permutations Algorithm to Solve the Graph Isomorphism*, Altiraqni Journal, 2009.

16- Hameed Husam Hameed, Hayder M Abbas, *Numerical Treatment of Laser Interaction With Solid in One Dimension*, journal of Kufa – physics, Vl.1, No.2, 2009.

Scientific Conferences

1. 5th International Conference on Problems of Cybernetics and Informatics (PCI 2023), Baku, Azerbaijan, August 28-30, 2023.

2. Iraqi Academics Syndicate 1st (FIRST) International Conference for Pure and Applied Sciences (IICPS_2020).

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, Iraq, 2017.

6. 7th International Conference on Research and Education in Mathematics (ICREM7). UPM- INSPEM, Malaysia, 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, Malaysia, 19-20 August 2014.

9. The 3rd International Conference on Quantitative Sciences and Its Applications (ICOQSIA 2014), Malaysia, 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 workshop of "The Role of century skills in seizing administrative jobs", Middle Technical University, Iraq, 05/25/23.

2. A workshop of "A simplified explanation of studying literature reviews for research and doctoral dissertations", Middle Technical University, Iraq, 05/24/23.

3. A workshop of "Solving and managing educational crises", Middle technical University, Iraq, 05/23/23.

4. A work shop of "How to format the research paper step by step", Middle Technical University, Iraq, 05/13/23.

5. A workshop of "Proper techniques for scientific promotion according to Instructions No. 167 of 2017", Middle Technical University, Iraq, 05/11/23.

6. A workshop of "How to be a Reviewer at Publons", Middle Technical University, Iraq. 03/06/23.

7. A workshop of "E-learning design - blended learning", Middle Technical University, Iraq in corporation with Sultan Qaboos University- Oman, 12/25/22- 12/29/22.

8. A workshop of "Future directions of the internationalization of Higher Education", Regional Center for Educational Planning-UNESCO, UAE, 11/17/22.

9. A workshop of "Scientific research writing style by Latex", Middle Technical University, Iraq. 10/09/22- 10/13/22.

10. A workshop of "The mechanism of publishing a scientific research in the Journal of Techniques", Middle Technical University, Iraq. 06/25/22- 06/29/22.

11. A workshop of "How to publish scientific research electronically", Middle Technical University, Iraq, 12/09/21.

12. A workshop of "Programming basics using Python", Technical Institute of Alsuwearh, Middle Technical University, Iraq, 11/21/21- 11/25/21.

13. A workshop of "How to use latex to write scientific papers in Elsevier journals", Middle Technical University, Iraq. 10/24/21-10/28/21.

14. The Publons Academy Practical Peer Review course, Publon Academy, 06/09/2020.

15. Online International Workshop on "Advance Topics in Dynamical System", Department of Mathematics, Faculty of Computer Science and Mathematics, University of Kufa, Iraq, 05/20/20- 05/22/20.

16. A workshop on "How to use Latex in writing a research paper", Faculty of Education for pure Science, University of Karbala, Iraq, 05/4/20- 05/7/20.

17. Online course: "Let's Break the Chain of COVID-19 Infection", as a part of the MBRU Community Immunity Ambassador Program, The Mohammed Bin Rashid University of Medicine and Health Science, UAE, 04/11/20.

18. A workshop of "Fulbright Visiting Scholar Program", sponsored by Iraqi Academics Syndicate in cooperation with AMIDEAST, Iraq, 11/14/19.
19. Train of the Trainers, Training Program, (Kingston Business Academy of Higher Education), During 40 Hours Training Course, Iraq, from 01/14 /19- 01/15/19.
20. A workshop in "Entrepreneurship", sponsored by (Al-Tomoh Engineering), Support and Development Foundation, Iraq, 2018.
21. Latex Workshop, Department of Mathematics, University Putra Malaysia, Malaysia, 09/08/15.
22. MatLab, Department of Mathematics, Faculty of Science, University Putra Malaysia, Malaysia, 05/07/14.
23. One Day Seminar in Mathematics, University Malaya, Malaysia, 04/03/13.

Current Projects

1- Mathematics for Big Data Analysis.

2- Mathematical Modeling for Epidemiology.