

Academic Curriculum Vitae



Personal Information:

Full Name: Imad A. Aziz
Academic Title: Lecturer
Email: imad.aziz@su.edu.krd
Mobile: +9647504639909



Education:

- **Ph.D. Applied Mathematics** Sept 2016 - July 2020
Department of Mathematics, College of Sciences, Salahaddin University-Erbil
“Modeling Three Dimensional Bubble Dynamics Near Rigid Boundaries Using Boundary Integral Method”
Dissertation Supervisor: Prof. Dr. Rostam K. Saeed and Asst. Prof. Dr. Kawa M. A. Manmi
- **M.Sc. Partial Differential Equations** Sept 2003 - July 2005
Department of Mathematics, College of Sciences, Al-Mustansiriyah University
“Integrability: Painleve Property and Hirota’s Bilinearization for Nonlinear Partial Differential Equations”
Dissertation Supervisor: Dr. Inaam A. Malloki
- **B.Sc. in Mathematics** Sept 1997 – July 2001
Department of Mathematics, College of Sciences, Salahaddin University-Erbil

Employment:

- **Lecturer** Sept 2020 - now
Department of Mathematics, College of Science, Salahaddin University-Erbil, Kurdistan, Iraq
- **Assistant Lecturer** Sept 2005 – July 2020

- **Teaching Assistant**

Sept 2001 - Sept 2003

Department of Mathematics, College of Science, Salahaddin University-Erbil, Kurdistan, Iraq

Qualifications

- **IT qualifications**

Database (SQL), LATEX, Maple, Matlab, Mathcad, Visual Studio programming (vb.net, C++, C#), Fortran.

- **Language qualifications**

Mother Language: Kurdish.

| Other languages | Understanding | | Speaking | | Writing |
|-----------------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken Interaction | Spoken Production | |
| English | B1 | B1 | B1 | B1 | B2 |
| Arabic | C2 | C2 | C2 | C2 | C2 |
| Persian | C1 | B1 | C1 | C1 | B2 |

Teaching experience:

- **Assistant Lecturer, Salahaddin University-Erbil**

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| Partial Differential Equations | 2006, 2007, 2010, 2011, 2012, 2017, 2018 |
| Calculus | 2013, 2014 |
| Computational Mathematics with MatLab | 2012, 2013, 2014, 2019, 2020 |
| Computer Programming (C++) | 2019 |
| Numerical Methods for PDEs (MSc Degree) | 2021 |
| Computational Physics (PhD Degree) | 2021 |

- **Visiting Assistant Lecturer, Soran University**

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| Partial Differential Equations | 2006 |
| Database | 2006, 2007, 2010, 2011 |

- **Assistant Lecturer, University of Garmian**

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| Partial Differential Equations | 2009 |
| Advance Calculus | 2009 |
| Introduction Computer Programming | 2009 |
| Ordinary Differential Equations | 2009 |
| Computer Skills | 2009 |
| Finite Mathematics | 2009 |

- **Visiting Assistant Lecturer, Institute of Shaqlawa**

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| Mathematics | 2012, 2013 |
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- **Visiting Assistant Lecturer, Raporin University**

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| Computational Mathematics with MatLab | 2013, 2014 |
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Research and publications

- Inaam A. Malloki Imad A. Barzinjy , Connection Between Painlevé Property and Hirota's Bilinearization, Al-Mustansiriyah Journal of Science, 20(2), 156-166 (2009).
- I.A. Aziz, K.M. Manmi, R.K. Saeed, and A. Dadvand, Modeling three dimensional gas bubble dynamics between two curved rigid plates using boundary integral method, Engineering Analysis with Boundary Elements, 109, 19 (2019).
- Rahman B, Aziz IA, Khdhr FW, Mahmood DF. Preliminary estimation of the basic reproduction number of SARS-CoV-2 in the Middle East, UKH Journal of Science and Engineering 6 (1), 61-68.
- Manmi, K.M.A., Aziz, I.A., Arjunan, A. et al. Three-dimensional oscillation of an acoustic microbubble between two rigid curved plates. J Hydrodyn 33, 1019–1034 (2021). <https://doi.org/10.1007/s42241-021-0090-0>.
- Three-dimensional bubble jetting inside a corner formed by rigid curved plates: Boundary integral analysis, A Dadvand, KMA Manmi, IA Aziz, International Journal of Multiphase Flow 158, 104308.

Conferences and courses attended

- National conference on Pure and Applied Mathematics and Mathematics Education, Ishik University, Erbil, Iraq, **11th-12th Feb 2018**.
- Iraqi-French Mathematics Conference, Erbil-Iraq, **14th–18th Nov, 2009**.
- Third Interview Questions Conference of Mathematics and Its Applications (TICMA-2022), Erbil-Iraq, **29th–31th Aug, 2022**.

Professional Social Network Accounts:

- <https://scholar.google.com/citations?user=N1NHemoAAAAJ&hl=en&authuser=1>
- <https://www.researchgate.net/profile/Imad-Aziz-2>
- <https://orcid.org/0000-0002-3444-9549>

Cover Letter

Imad was born in 1978. He obtained BSc degrees in Mathematics from the Salahaddin University/Erbil in 2001 and obtained MSc degrees in Partial Differential Equations from the Mustansiriyah University/Bagdad in 2005. Then, he obtained Ph.D. in Applied Mathematics from the Salahaddin University/Erbil in 2020.

2002-present: Lecturer in Mathematics Dept. – College Science Salahaddin University.