

Curriculum Vitae

Dr. Baseem Saleh Barhoum

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Personal Statement

I am a dedicated academic and professional with over 20 years of experience in computer science, specializing in information security, intelligent systems, and software testing. My work integrates advanced research with practical applications. As an external examiner and a committed educator, I emphasize quality assurance and continuous improvement in teaching and administrative roles.

Academic Qualification

- Ph.D. in Computer Science
  Specialization: Information Security and Expert Systems, Aleppo University, 2011
- Master's Degree in Informatics, Latakia University, 2007
- Postgraduate Diploma in Informatics, Damascus University, 1991
- Bachelor's Degree in Informatics, Latakia University, 1990

Current Positions

- Assistant Professor, Faculty of Informatics Engineering, Latakia University
- Head, Software and Information Systems Department, Latakia University
- Head, Quality Assurance Department, Quality Assurance Center, Latakia University
- Lecturer at:
  - Syrian Private University http://www.spu.edu.sy/members/index.php
  - Yarmouk University https://site.ypu.edu.sy/index.php

Published Research

- **Barhoum, B. S**., Shafamari, M., & Hasan, M. (2007). A Comparative Analytical Study of the Most Famous Symmetric Encryption Algorithms. Latakia University Journal, 39(4).
- **Barhoum, B. S**. (2022). Improving the Effectiveness of Software Quality Measures. Tartous University Journal, 6(12).
- **Barhoum, B. S**. (2021). Designing and Building a Security Protocol to Protect Digital Documents. Tartous University Journal, 5(8).
- **Barhoum, B. S**. (2025). A hybrid signature system based on a comparative analysis of quantum signatures and elliptic curves. Tartous University Journal, 9(12).
- **Barhoum, B. S**., Dabash, M., Al-Khair, A., & Al-Shaar, D. (2011). New Standards in Evaluating Symmetric Encryption Algorithms. Aleppo University Journal, 75.

- **Barhoum, B. S**., Dabash, M., Al-Khair, A., & Al-Shaar, D. (2010). Using Smart Technologies to Choose the Appropriate Encryption Algorithm. Aleppo University Journal, 73.
- **Barhoum, B. S**., & Zazo, S. (2024). Impossible Differential Cryptanalysis on QuariAES and SemiAES. Journal of Harbin Engineering University.
- **Barhoum, B. S**., & Ali, M. (2024). Detecting Cross-Site Text Attacks Using Artificial Intelligence Techniques. Tartous University Journal, 8(11).
- **Barhoum, B. S**., & Raslan, H. (2023). Improving Command Suggestions in the ADAS Autonomous Driving System. Al-Baath University Journal of Engineering Sciences, 22.
- **Barhoum, B. S**., & Hassoun, R. (2022). A Practical Application for Classifying Controversy Components. Damascus University Journal of Engineering Sciences, 38(4).

Teaching Experience

❖ **Latakia University (2006 – Present)**

➢ **Undergraduate Courses:**

- Information Systems Security (2011 – Present)
- Software Testing (2011 – Present)
- Programming 1 (2020 – Present)
- Database 1 (2013 – 2014)
- Software Engineering (2021 – 2023)

➢ **Postgraduate Courses (Master's Level):**

- Advanced Information Systems Security (2015 – Present)
- Advanced Internet Applications (2016 – 2022)
- Software Quality Assurance and Performance Improvement (2022 – Present)

➢ **Project Supervision:**

Undergraduate Projects (2011 – Present)
Master's Projects (2017 – Present)

❖ **Syrian Private University (2018 – Present)**

- Database 1 (2018 – 2024)
- Software Testing (2018 – 2024)
- Software Quality Assurance (2023 – 2024)
- Internet Applications (2022)
- Software Engineering (2018 – 2022)
- Advanced Software Engineering (2020 – 2021)
- Project Supervision (2018 – 2024)

❖ **Yarmouk University**

- Software Engineering 1 (Present)
- Programming 2 (C#) (Present)

❖ **Arab Academy for Science, Technology & Maritime Transport (AASTMT) (2000)**

- Computer Science
- Mathematics for Engineering

❖ **Damascus University (1991 – 1994)**

- Computer Science
- Programming Languages
- Mathematics for Engineering

❖ **Saudi Arabia (1994 – 2003)**

- Computer Science
- Programming Languages

Leadership and Administrative Roles

- Director, Quality Assurance Unit, Faculty of Informatics Engineering, Latakia University (2013 – Present)
- Member, Quality Systems Audit Committee, Latakia University Faculties
- Head, Tender Committee for Procurement of 30 Computers, Latakia University
- Member, Website Design and Construction Supervision Committee, Latakia University
- Head of Quality Assurance Audit Teams for various colleges at Latakia University, including Human Medicine, Civil Engineering, Applied Sciences, and Economics
- Chair, Optical Cable Installation Committee, Faculty of Informatics Engineering, Latakia niversity

Professional Activities

- Reviewer for various scientific articles and journals, including Damascus University Journal and Tartous University Journal.
- Referee for Master's and Doctoral Theses, both internally and externally.
- Published extensively in information security, intelligent systems, and software testing.
- Supervised over ten Master's theses in the Software Department at the Faculty of Informatics Engineering, Latakia University.
- Authored the book Information Systems Security for the Faculty of Informatics Engineering at Latakia University in 2020.
- Authored the book programing 1 for the Faculty of Informatics Engineering at Latakia University in 2025.

Awards and Honors

- Quality Distinction Award for Excellence in Quality Assurance, Latakia University, 2016
- Honorary Award for First Place in Nationwide Computer World Magazine Competition, Saudi Arabia (2000)