

# AML ABDULLAH ALI ALTIRBAN

Tripoli, Libya

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## Education

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<b>College of Sciences, University of Tripoli</b> <i>MS. in Mathematics</i>	Fall 2012 – Fall 2015 <i>Tripoli, Libya</i>
<b>College of Sciences, University of Tripoli</b> <i>B.S in Mathematics</i>	Fall 2004 – Fall 2008 <i>Tripoli, Libya</i>

## Teaching Experience

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<b>Lecturer</b> <i>Department of Mathematics, Faculty of Sciences, University of Tripoli</i>	Spring 2024 – Present <i>Tripoli, Libya</i>
<ul style="list-style-type: none"><li>• (Spring 2025), Linear Algebra course. (Artificial Intelligence Department, Faculty of Information Technology) and Plan Analytic Geometry course, Number Theory Course. (Faculty of Sciences)</li><li>• (Spring 2024- Fall 2025), Plan Analytic Geometry course and number theory course. (Faculty of Sciences)</li></ul>	

<b>Lecturer Assistant</b> <i>Department of Mathematics, Faculty of Sciences, University of Tripoli</i>	Spring 2016 – Fall 2024 <i>Tripoli, Libya</i>
<ul style="list-style-type: none"><li>• (Fall 2024), Plan Analytic Geometry course and number theory course. (Faculty of Sciences)</li><li>• (Spring 2023), Calculus I course. (Faculty of Information Technology) and Number Theory Course. (Faculty of Sciences)</li><li>• (Fall 2023), Calculus I course. (Faculty of Information Technology)</li><li>• (Fall 2021-Spring 2022), Calculus I course, Plan Analytic Geometry course, Linear Algebra I course. (Faculty of Sciences)</li><li>• (Spring 2018-Fall 2020), Calculus I course. (Faculty of Engineering)</li><li>• (Fall 2017-Spring 2017), Calculus I course, Linear Algebra course. (Faculty of Information Technology)</li><li>• (Fall 2016-Spring 2016), Calculus I course, Plan Analytic Geometry course. (Faculty of Sciences)</li></ul>	

<b>Teacher Assistant</b> <i>Department of Mathematics, Faculty of Sciences, University of Tripoli</i>	Fall 2010-Spring 2015 <i>Tripoli, Libya</i>
<ul style="list-style-type: none"><li>• Responsibilities: Cover 4 or 6 hours weekly of lecture to help students with their homework for classes ranged from 100 to 200 students of calculus I, calculus II, Ordinary differential equations.</li><li>• Work in the office of study and examinations.</li></ul>	

## Academic Supervision

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Supervised multiple undergraduate graduation projects in the Department of Mathematics, University of Tripoli.

Key projects include:

- Digital signature using the RSA algorithm.(Spring 2025)
- Applications of matrices in economic modeling and equilibrium analysis.(Fall 2025)
- spherical trigonometry.(Fall 2024)

### *Current Research Interests*

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Applied Mathematics, Fuzzy Mathematics, Differential and Integral Equation, Number Theory, Cryptography.

### *PUBLICATIONS*

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#### **Journal paper**

- Bnis, M. Altirban, A., & Elbhilil, N., (2024) Fuzzy Sumudu Transform for Solving Second Order Fuzzy Initial Value Problem under Generalized Differentiability. Scientific Journal of Faculty of Education. 25, 192-212.
- Altirban, A., Elbhilil, N., & Bnis, M., (2024) Enhancing Information Security and Cryptography Efficiency with the Kushare Transform. Faculty of Education journal. 3(2), 81-94.
- Elbhilil, N., Bnis, M., & Altirban, A., (2023) Abaoub -Shkheam Transform Techniques to Solve Volterra Integral and Volterra Integro-Differential Equations. African Journal of Advanced Pure and Applied Sciences (AJAPAS). 2(4), 254-260.

### *Specialized Skills*

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**Languages** (Arabic, English)

**Software** Microsoft Word, Excel, PowerPoint, Latex.

### *Professional Profiles*

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- ORCID: <https://orcid.org/0009-0007-7183-9291>.
- Google scholar: [https://scholar.google.com/citations?hl=ar&user=01fVE\\_MAAAAJ](https://scholar.google.com/citations?hl=ar&user=01fVE_MAAAAJ).