

# CURRICULUM VITAE

## MUNA MASAUD TABUNI

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### Education:

**2010 Ph.D.**, University of Bradford , Informatics School , United Kingdom.

**Thesis topic:** Zeros of analytic functions in finite quantum systems

**Advisor:** Prof. A. Vourdas

**2003 MSc**, Mathematics Department, Faculty of Sciences, University of Tripoli ,Tripoli, Libya.

**Thesis topic:** Complex Differential Spaces.

**Advisor:** Prof. T. Abolatty

**1999 BSc**, Faculty of Sciences, Mathematics Department, University of Tripoli ,Tripoli, Libya.

### Research & Teaching Experience:

**1/10/2017 - Associate Professor**, Mathematics Department, Faculty of Sciences, University of Tripoli, Libya.

**2013 –2017- Assistant Professor**, Mathematics Department, Faculty of Sciences, University of Tripoli, Libya.

**2010 –2013 Lecturer**, Mathematics Department, Faculty of Sciences, University of Tripoli, Libya.

**2007 – 2010 PhD Student**, University of Bradford , Informatics School , United Kingdom.

**2003 – 2006 Assistant lecturer**, Mathematics Department, Faculty of Sciences, University of Tripoli, Libya.

**2000 – 2003 MSc Student**, Mathematics Department, Faculty of Sciences, University of Tripoli, Libya.

### Courses Taught:

Complex analysis, Calculus1, Calculus2, Ordinary differential equation, Linear algebra, Advanced calculus, Advanced Ordinary differential , statics, Real analysis, Tensors, Coding theory

## Technical Skills:

**Matlab, Latex**

## Academic Networks:

<a href="#">Research Gate</a>	<a href="#">Google scholar</a>	<a href="#">ORCID</a>
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## Publications:

### Journals and Conferences Papers:

- 1• Complex differential space  
[Damascus University Journal for BASIC SCIENCES Vol. 19, No 1, 2003]
- 2• Zeros in analytic representations of finite quantum systems on a torus  
[Phys. Scr., (2010) ]
- 3• Zeros of Bargmann analytic representation in the complex plane  
[World Academy of Science, Engineering and Technology, February 14-15, 2013 Kuala Lumpur, Malaysia ]
- 4• Open problems on zeros of analytic functions in finite quantum systems  
[World Academy of Science, Engineering and Technology, April 14-15, 2013 Venice, Italy]
- 5• Winding numbers of paths of analytic functions zeros in finite quantum systems  
[World Academy of Science, Engineering and Technology, august 14-15, 2013 Kuala Lumpur, Malaysia ]
- 6• Symplectic Transformations in Finite Quantum Systems  
[The first conference of applied sciences-university of alzintan-libya-sep2017]
- 7• Bargmann analytic representation for two-mode systems  
[International Journal of Mathematical Archive-5(5), 2014, 1-7 ISSN 2229 – 5046 ]
- 8• Behavior of the zeros of Theta functions in finite quantum  
[The first conference of applied sciences-university of alzintan-libya-sep2017]
- 9• The behavior of the zeros of analytic functions of finite quantum systems with physical Hamiltonians  
[Journal of Progressive Research in Mathematics(JPRM) ISSN: 2395-0218 ]
- 10• BCI/BCK-Quantum Algebra  
[World Academy of Science, Engineering and Technology, Jun 3-4, 2021, Rome, Italy]
- 11•  $Q$ -ALGEBRA AND QUANTUM ALGEBRA  
[Journal of Progressive Research in Mathematics(JPRM)]
12. Special Properties of the Zeros of the Analytic Representations of Finite Quantum Systems  
[World Academy of Science, Engineering and Technology, Jun 3-4, 2021, Rome, Italy]
13. Development of the entire representation using the roots  
[Journal of Progressive Research in Mathematics(JPRM) ]
14. ON THE CHANGE OF THE BASIS OF FINITE QUANTUM SYSTEMS  
[International Journal of Mathematical Archive-12(5), 2021, 1-7]
15. CONSTRAINTS ON THE ZEROS OF THE ANALYTIC THETA FUNCTIONS IN FINITE QUANTUM SYSTEMS  
[THE SIXTH INTERNATIONAL ISTANBUL SCIENTIFIC RESEARCH CONGRESS OCTOBER 30-31, 2021]
16. THE ROOTS OF THE ANALYTIC THETA FUNCTIONS FROM GENERALIZED THE WINDING NUMBERS  
[International Journal of Mathematical Archive -12(10), 2021, 13-20]