# Curriculum Vitae

## A- PERSONAL INFORMATION:

| Sure Name | First Name | Mid Name | Date of birth | | |
|-----------|-----------|----------|---------------|--|--|
| | | | **Day** | **Month** | **Year** |
| Salih | Mohammed | Mahmood | 29 | 10 | 1979 |

| Place of Birth | Country | Nationality | Sex | Marital status |
|----------------|---------|-------------|-----|----------------|
| Mosul | Iraq | Iraqi | Male | Married |

| Native language | Other languages |
|-----------------|-----------------|
| Arabic | English |

| Other languages | Read | | Understand (spoken) | | Speak | | Write | |
|-----------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|
| | Easily | Not easily | Easily | Not easily | Easily | Not easily | Easily | Not easily |
| English | √ | | √ | | √ | | √ | |
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## B- PRESENT OCCUPATION:-

| Present Position | University | Degree | Scientific title |
|------------------|-----------|--------|------------------|
| Lecturer | Mosul | Ph.D | Lecturer |
| **College** | **Department** | **General specialization** | **Accurate specialization** |
| Computer Sciences and Mathematics | Computer Sciences | Mathematics | Numerical Analysis |
| **Address** | **E-mail** | **Tel** | **Mobile** |
| Mosul/Iraq | mohammedmsalih@yahoo.com mohammedmsalih@gmail.com mohammed.salihcs@uomosul.edu.iq | | +9647701746514 |

## C- QUALIFDICATION:- (University)

| Country | University | College | Years attended | | Academic distinctions | Main Subject |
|---|---|---|---|---|---|---|
| | | | From | To | | |
| Iraq | Mosul | Computer Sci. & Math. | 97-98 | 2000-2001 | B.Sc. | Mathematics |
| Iraq | Mosul | = | 2001-2002 | 2002-2003 | M.Sc. | Mathematics |
| Malaysia | UPM | Science | 2012 | 2016 | Ph.D | Mathematics |
| | | | | | | |

**MS.C. thesis title:-** Using Runge-Kutta methods for solving Stiff problems

**Ph.D. thesis title:-** PHASE-FITTED AND AMPLIFICATION-FITTED RUNGE-KUTTA TYPE METHODS FOR SOLVING LINEAR DIFFERENTIAL EQUATIONS WITH OSCILLATORY SOLUTIONS

## D- EDUCATION:- (E.g. high school or apprenticeship from age 14)

| # | Name | place | country | Type | Year attended | | Degrees and academic distinctions |
|---|---|---|---|---|---|---|---|
| | | | | | From | To | |
| 1 | Anas Ibn-Malik | Mosul | Iraq | Scientific | 1991 | 1996 | Secondary School Certificate |
| 2 | Al-Sharqiya | Mosul | Iraq | Scientific | 1996 | 1997 | Secondary School Certificate |
| 3 | College of Computer Sci. & Math. | Mosul | Iraq | Mathematics | 97-98 | 2000-2001 | B.Sc. |
| 4 | College of Computer Sci. & Math. | Mosul | Iraq | Mathematics | 2001-2002 | 2002-2003 | M.Sc. |
| 5 | Science | UPM | Malaysia | Mathematics | 2012 | 2016 | Ph.D |

## E- PREVIOUS OCCUPATION:-

| Positions | Current position | Posts held in other Universities | Previous posts (other than the University ) |
|---|---|---|---|
| Academic | | | |
| Official | | | |
| Departments | | | |
| Colleges | | | |
| Universities | | | |

## F- SCIENTIFIC TITLE:-

| Titles | Date | | |
|---|---|---|---|
| | Day | Month | Year |
| **Assistant  Lecturer** | 12 | 12 | 2005 |
| **Lecturer** | 17 | 11 | 2016 |
| **Assistant Professor** | | | |
| **Professor** | | | |

## G- TRANNING COURSES:-

| | Field of Study | From – To | Place(s) of study |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

## H- EXPERIENCE:-

| From – To | Work Experience |
|---|---|
| 1/1/2004-1/7/2004 | Univ. of Mosul / College of Arts / Computer Lab. |
| 12/12/2005- | Univ. of Mosul/College of Computer Sci. and Math. /Dep. of Computer Sci. |
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## I- SCIENTIFIC RESEARCHES:-

| | Research name | University | College | Publisher |
|---|---|---|---|---|
| 1 | Runge-Kutta methods of higher order for solving Stiff Problems | Mosul | Computer Sci. & Math. | AL-Rafidayn Journal for Computer Sci. |
| 2 | Using Modified Runge-Kutta methods for solving Differential-Algebraic Equations | Mosul | Computer Sci. & Math. | The Second Conference on Mathematical Sciences CMS'2008 |
| 3 | Goeken-Johnson Sixth-Order Runge-Kutta Method | Mosul | Computer Sci. & Math. | Education & Sci. Journal |
| 4 | Using Predictor-Corrector Methods For Solving Fuzzy Differential Equations | UPM | Faculty of Sci. | International Conference on Mathematical Sciences and Statistics (ICMSS2013). |
| 5 | Diagonally Implicit Runge-Kutta method of Order four with Minimum Phase-Lag for Solving First Order Linear ODEs | UPM | Faculty of Sci. | the 3rd International Conference on Mathematical Sciences (ICMS3) 2014 |
| 6 | Phase fitted Classical Runge-Kutta Method of order 4 for solving Oscillatory problems | UPM | Faculty of Sci. | Far East Journal of Mathematical Sciences (FJMS) |
| 7 | Fifth Order Runge-Kutta-Nyström methods for solving Linear Second Order Oscillatory Problems | UPM | Faculty of Sci. | Far East Journal of Applied Mathematics (FJAM) |
| 8 | | | | |
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## J- PRESENT SCIENTIFIC RESEARCHES ACTIVITIES:-

|   | Research name | No. of participants | Starting date | Finishing date |
|---|---|---|---|---|
| 1 | Trigonometrically-fitted 4-step Predictor-Corrector method for solving ordinary differential equations with oscillatory solution | 2 | 17/01/2018 | 17/04/2018 |
| 2 | Phase fitted and Amplification fitted of Runge-Kutta-Fehlberg Method of Order 4(5) for Solving Oscillatory Problems | 3 | 17/04/2018 | 17/06/2018 |
| 3 | | | | |

## K- TEACHING SKILL:-

| University | College | Department | Stage | Subject | Period | | No .of hs / weekly | |
|---|---|---|---|---|---|---|---|---|
| | | | | | from | To | Theo. | Prac. |
| Mosul | Comp. Sci. & Math. | Computer Sci. | 2nd | Numerical Analysis | 18/12/05 | | 4 | 8 |
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## L- COMPOSITION OR TRANSLATION:-

| Book title | No. of participant | Translation or publication | Books Published translated | Published and press |
|---|---|---|---|---|
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## M- SUPERVISION:-

| Student's name | Degree | Specialization | Starting date | | Finishing date | |
|---|---|---|---|---|---|---|
| | | | Month | Year | Month | Year |
| | | | | | | |
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## N-  MEMBERSHIPS:-

| Society | Union | Others |
|---|---|---|
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## O-  OTHER DISTICTION:-

| Studies field | Conferences | Awards and distinctions | Place studied |
|---|---|---|---|
| Mathematical Sciences | The Second Conference on Mathematical Sciences CMS'2008 | Presenter | Jordon |
| Mathematical Sciences | International Conference on Mathematical Sciences and Statistics (ICMSS2013). | Presenter | Malaysia |
| Mathematical Sciences | the 3rd International Conference on Mathematical Sciences (ICMS3) 2014 | Presenter | Malaysia |
| Mathematical Sciences | the 7$^{th}$ International Conference on Research and Education (ICREM7) | Presenter | Malaysia |

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**Academia.edu**: https://uomosul.academia.edu/محمدصالح
**LinkedIn**: https://www.linkedin.com/in/mohammed-salih-ab677082/
**Facebook**: https://web.facebook.com/mohammedmsalih
**Scopus Author ID:** 56263441000
**ResearcherID:** C-9234-2019

Date 28/08/2019