

Dr. Basim Karim Albuohimad

PhD. Mathematics and Applied of Computer Science

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PERSONAL INFORMATION

Nationality: Iraqi

Date of Birth: 1 August 1978

Place of Birth: Babil-IRAQ

Marital status: Married

Language: Arabic, English and Persian

Academic Rank: Lecturer

QUALIFICATION

- **PhD** (Mathematics and Computer Science), Amirkabir University of technology, Tehran, IRAN (2017).
- **M.Sc.**(Mathematics and Computer Applications Science), Al-Nahrain University, Baghdad, IRAQ (2004).

- **B.Sc.** (Mathematics and Computer Applications Science), Al-Nahrain University, Baghdad, IRAQ (2001).

COURSES TAUGHT (UNDERGRADUATE)

❖ *At Department of Chemistry – College of Science – University of Kerbala:*

- General Calculus and Advance Calculus.
- Differential Equations.

❖ *At Department of computer – College of Science – University of Kerbala:*

- General Calculus and Advance Calculus.
- Differential Equations.
- Numerical analysis.

❖ *At Department of physics – College of Science – University of Kerbala:*

- General Calculus and Advance Calculus.
- Differential Equations.
- Mathematical modeling

• *At Department of Biologically – College of Science – University of Kerbala:*

- General Calculus and Advance Calculus.

ADMINISTRATIVE EXPERIENCES

- Director of Scientific Affairs (2006-2008) (College of Science - University of Karbala).
- Administer of undergraduate Study (Department of computer- College of Science - University of Karbala).

PUBLICATIONS

- B Albuohimad, H Adibi, On a hybrid spectral exponential Chebyshev method for time-fractional coupled Burgers equations on a semi-infinite domain, Advances in Difference Equations 2017 (1), 85. <http://dx.doi.org/10.1186/s13662-017-1141-2>
- B Albuohimad, H Adibi, S Kazem, A numerical solution of time-fractional coupled Korteweg-de Vries equation by using spectral collection method, Ain Shams Engineering Journal. <http://dx.doi.org/10.1016/j.asej.2016.10.010> .
- B Albuohimad, H Adibi, The Chebyshev collocation solution of the time fractional coupled Burgers' equation, Journal of Mathematics and Computer Science (JMCS) 17 (1), 179—193. <http://dx.doi.org/10.22436/jmcs.017.01.16>
- B Albuohimad, Solution of the calculus in the computer by using MathCAD software, journal of kerbala university ISSN: 18130410 10 (4), 169-173.

- FSF B. Albuohimad, Solution of Fractional Differential Equations by Using Variational Approach, journal of kerbala university 5 (1), 82-89.
- B Albuohimad, Solution of Delay Fractional Differential Equations by Using Linear Multistep Method, journal of kerbala university 5 (4), 217-222.
- B Albuohimad, The Analytical Method To Solve Time Fractional Navier-Stokes Equations, journal of kerbala university,2018

Training courses and scientific seminars

- Training course (using smart screens) - Mathematics Department - College of Education for Pure Sciences - Karbala University (27-28 / 2/2018).
- A scientific symposium entitled "Water scarcity in Holy Karbala and how to treat it" - Renewable Energy Research Center - Karbala University. (10/10/2018).