**Curriculum Vitae**

**1. Name:** Prof. Imad Mutaib Mohammed AL- Zuhairi

**2. Nationality:** Iraqi

**3. Date of Birth:** 31 Dec. 1956

**4. Place of Birth:** AL-Muqdadiya, Iraq.

**5. Marital Status:** married.

**6. Specialization:** Mathematics.

**7. Academic Rank:** Full Professor since 20, June 2012**.**

**8. Education:**

a. Ph.D. Curriculum and Teaching Methods of Mathematics, Lodz University, Poland, 1993.

b. M.Sc. in Mathematics, London University, U.K., 1985.

c. B.Sc. in Mathematics, Baghdad University, Iraq, 1977.

**9. Teaching Experience:**

Full Professor: Amman Arab University, Jordan, Sep. 2012 –Sep. 2024.

Associate Professor: University of Sana'a, Yemen, (2004-2012).

Associate Professor: Hadhramout University of Science and Technology, Yemen, (2003 -2004).

Associate Professor: Technology University, Baghdad, Iraq, (2000-2002), (External Lecturer).

Assistant Professor: AL-Mustanseriya University, (1995-2000), (External Lecturer).

**10. Administrative Experience:**

1**.** Dean of Faculty of Arts and Sciences, Amman Arab University, Jordan,

(7/9/2019 -11/9/2021)

2. Staff member, Mathematics Department, Amman Arab University, 2015 - to the present time.

3. Head of Mathematics Department, Amman Arab University. 2015-2017.

4. Head of Mathematics Department. Almahweet Faculty of Education, Sana'a University. 2004-2009.

5. Head of Mathematics Department. Almahrah Faculty of Education, University of Hadhramout for Science and Technology. Yemen. 2003-2004.

6. Director General of Educational Technology, Ministry of Education, Iraq, (2001-2003).

6. Mathematics Curriculum Expert, Ministry of Education, Iraq, (1994-2001).

**11. Courses Taught:**

**A. Graduate Courses**:

*Statistics in Scientific Research*

*Fundamentals of Scientific Research*

*Analysis of general Curriculum and Development*

*Curriculum Planning*

*Educational Technology*

*Instructional Design*

*Teacher Education and Development*

*Nature and Teaching General Curricula*

*Thesis Research Seminar*

**B. Undergraduate Courses:**

*Calculus I, Calculus II, Calculus III*

*Linear Algebra I&II*

*Differential Equations I&II*

*Complex Analysis*

*Numerical Analysis*

*Number Theory*

*Statistics and Probability*

*Analytical Statistics*

*Operational Research*

*Mathematics for Business Students*

*Statistics in Education,*

 *History of Mathematics*

*Research Methodology*

*Introduction to Education*

*Technology for People with Special Needs*

*Mathematics Curriculum Planning*

*Mathematics Curriculum and Teaching Methods*

*Analysis and Evaluation of Mathematics Curriculum*

**12. Graduate Works Supervision:**

I have supervised many Ph.D. dissertations and M.A. theses in Iraq, Yemen, and Jordan. In addition, I have acted as an External Examiner of Ph.D. dissertations at the University of Jordan and the World Islamic Sciences & Education University, in Amman, Jordan**.**

**13. Publications in the last ten years:**

**[1**] Mutaib Al-Otaibi, Imad Al-Zuhairi, Wafaa Al-Aid, May Al-Shaikhli, Al-Faroq omer Al-Khawaldeh: Analysis of the Content of the Mathematics Textbook for the Eight Grade in the State of Kuwait According to NCTM Standards. Kurdish Studies, Volume 11, No. 2, PP. 5286-5302. (2023).

 **[2**] Al-Zuhairi Imad M., Zaid S. Al-Edwan, Eyad Fakhri Al-Hassani:

The Impact of Generative Learning Model in Improving Number Sense Skills in Mathematics for Basic Stage Students in Jordan. Journal of Al-fateh, Issue 27, No. 3, (2023).

**[3]** Imad Al-Zuhairi, Mohammad Almousa, Yousef Al-Qudah and Hamza Qoqazeh: Content Analysis of 9th Grade Mathematics Textbook in Jordan within the Framework of (NCTM) Standards. Amman Arab University Journal, Volume (7), Issue (2), Pp 10-29, (2022).

**[4]** Imad Al-Zuhairi, Yousef Al-Qudah, Wathek Chammam, Mohammed M. Khalaf, Ahamad El moasry, Hamaza Qaqazeh, Mohammed Almousa:

Fuzzy parameterized Complex Multi-Fuzzy Soft Expert Set in Prediction of Coronary Artery Disease. Journal of Progressive Research in Mathematics (JPRM), Volume 16, Issue 4, (September 4, 2020).

 **[5]** Mohammad Almousa, Imad Al-Zuhairi, Yousef Al-Qudah and Hamza

Qoqazeh: Solutions of Nonlinear Integro- Differential Equations Using Adomian Decomposition Method with Modified Bernstein Polynomials. *International Journal of Mathematics and Computer Science* (*IJMCS)*, Under Review.

**[6]** Mohammad Almousa, Imad Al-Zuhairi, Yousef Al-Qudah And Hamza

Qoqazeh: Mahgoub Adomian Decomposition Method for Solving Newell-Whitehead-Segel Equation, *International Journal of Mathematics and Statistics Invention (IJMSI)*, *Volume 8 Issue 1 (Jan, 2020) PP-22-24*.

**[7]** Mohammad Almousa, Imad Al-zuhairi, Yousef Al-Qudah and Hamza Qoqazeh: Solution of Heat and Wave Equations using Mahgoub Adomian Decomposition Method, *International Advance Journal of Engineering Research (IAJER) Volume 3, Issue 1 (January- 2020), PP 07-11.*

**[8]** Al zuhairi, Imad M. & Mohanad Madher Sari, (2020): Content Analysis of Mathematics Books of the Intermediate Stage in Iraq in The Light of the National Council of Teachers of Mathematics Standards (NCTM). Amman Arab University Journal, Psychological and Educational Research Series, Volume (4), Issue (1), 18183-228.

**[9]** Al-Zuhairi, Imad &Sana Abd el-kareem Naser, (2018): Math Anxiety Test among Higher Basic Stage Students and Its Relationship with Their Attitudes toward Mathematics. *Al-Fateh Journal, university of Diyala, Iraq*, No. (74).

**[10].** Al-zuhairi, Imad & Ghada Mohammad Sallam, (2017): *The Availability Degree of Math Teachers Learning Competencies and its Relationship with Attitudes towards their Professions in Libya*. *Al-Fateh Journal, university of Diyala, Iraq*, No. (69).

**[11].** Abu-Lawi, Amin & Al-Zuhairi, Imad, (2017):*Obstacles of Using E-learning as Perceived by Students at Amman Arab University and Suggestions to overcome them.* Journal of the Association of Arab Universities, Amman, Jordan, Vol. (37), No. (2).

**[12].** Al-Zuhairi, Imad, Meteab & Sallam, Ghada, (2016): *The Availability Degree of Math Teachers Learning Competencies and its Relationship with Educational Qualifications in Libya*. Zarqa University Journal for Research and Humanities Studies, Jordan, Vol. (16), No. (2).

**[13].** Al-Zuhairi, Imad, Meteab & Al-Kokabani, Ahmed, (2013): *The Effect of Using Constructivist Learning in Student Achievement in Mathematics for The Seventh Grade Students in Yemen.* Scientific Journal of College of Education, Dhamar University, Yemen, No. 14.

**[14].** Al-Zuhairi, Imad, Meteab, and Others, (2011): *The Effect of Using Constructivist Learning for Developing the Metacognitive Skills in Mathematics for The Seventh Grade Students in Yemen.* *College of Education Journal, Ain shams University*, No. 35, Vol. 2, Egypt.

**[15].** Al-Zuhairi, Imad, Meteab, and Others, (2011): *Evaluating Mathematics Curriculum Questions (5th-8th) Basics Grades in The Republic of Yemen.* *College of Education Journal, Ain shams University*, No. 35, Vol. 2, Egypt.

**[16].** Al-Zuhairi, Imad, Meteab, (2011): *Evaluating Student-Teacher Performance in a Practical Education Program for the College of Education in University of Sana'a from the Perspective of Essential Principals.* *University Researcher Journal. Ib University*, No. 28, pp. 277-294.

**[17].** Al-Zuhairi Imad Meteab, (2010): *Strategy in Applying Teaching Aids in Mathematics.* *Sana'a University Journal for Educational & Psychological Sciences*, Vol. 7, No. 2, pp. 38-79, Yemen.

**[18].** Al-Zuhairi, Imad Meteab, (2010): *The Effectiveness Of Teaching The Behavioral Objectives for The Students Mathematics Achievements for 8th Grade Students in The Republic of Yemen. Gulf University Journal*, Vol. 2, No. 3, pp. 489-530, Bahrain.

**[19].** Al-Zuhairi, Imad Meteab, (2010): *The Reasons for Failure in Calculus 1 from Teachers Point of View,* *Scientific Journal of College of Education, Dhamar University*, Vol. (1), No. (9), pp. 155-174.

**14. Books Publication**:

1. **Partial Differential Equations**. Published by Dar Djlah Publishing & Distribution, Amman, Jordan, (2024).

2. **History of Mathematics**, published by Dar Djlah Publishing & Distribution, Amman, Jordan, (2023).

3. **Mathematics, Curriculum and Teaching Methods,** Published by Al-Waraq for Publishing & Distribution, Amman, Jordan, (2017).

4. **Education in Iraq (1968-2003)**, Published by Dar Djlah Publishing & Distribution, Amman, Jordan, (2017).

**15. Institutional Professional Development Activities in the last five years:**

Attended several specialized development workshops such as:

Improving teaching skills

Teaching Strategies

Evaluation Strategies

E-Learning

.استخدام QualityMatter Template

2.إنشاء المحتوى غير المتزامن للمساقات

3.إدارة سير العملية التعليمية

4. بناء الملف الالكتروني المتكامل للمساق

5.اساليب التعلم المعكوس والتعلم القائم على المشاريع والتعلم المتصل

6.التحديثات على أنظمة وتعليمات الجامعة

7.التسكين والاطار الوطني للمؤهلات

8.إدارة التغيير والتحول الإداري

9.التحليل الاحصائي للبحوث

10.إعداد الرسائل الجامعية والاشراف عليها

11.التصنيف الدولي QS

12.إدارة الابتكار وريادة الاعمال

13.التعرف بالمجلات وزيادة الاستشهادات

14. نظام الترقية المحوسب

15. خطة الجامعة الاستراتيجية 2023-2-24

MS teams 16. كيفية إعطاء المحاضرات باستخدام

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