



CURRICULUM VITAE

Prof. Dr. Samir B. HADID

PERSONAL:

Name: Samir Bashir Hadid

Date of Birth: Oct. 6, 1948

Place of Birth: Mosul, Iraq

Marital Status: Married with four children

Degrees:

Degree	Institute	Country	year
B.Sc.	Mosul University	Iraq	1971
M.Sc.	Sussex University	England	1975
Ph.D.	<i>London University</i>	England	1979

General Field of Interest: Mathematics

Specific field of Interest: Functional Analysis and Differential Equations.

Title of Ph.D. Thesis: Some Problems in the Spectral Theory of Differential Operator.

Supervisor: Professor Dr. M. S. P. Eastham

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Ajman University of Science and Technology, Ajman, P. O. Box: 346, UAE.

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PROFESSIONAL EXPERIENCE:

Rank	Institute	Period	Country
Research Assistant	Mosul University	1971-1974	Iraq
Assistant Lecturer	Mosul University	1975-1976	Iraq
Lecturer	Mosul University	1979-1987	Iraq
Assistant Professor	Mosul University	1987-1992	Iraq
Visiting Professor	Technical Univ. of Wroclaw.	April-May 1981	Poland
Associate Professor	Mu'tah University	1992-1995	Jordan
Professor	Mu'tah University	1995-1998	Jordan
Professor	Al-Ain Scientific University	1998-1999	UAE
Professor	Ajman Univ. for Science and Tech	From 1999	UAE

TEACHING EXPERIENCE:

1- Undergraduate Courses: *Calculus, Advanced Calculus, Applied Math, Engineering Math (I to VI), Real Analysis, Complex Analysis, Vectors Analysis, Functional Analysis, Differential Equations, Integral Equations, Topology, Linear Algebra, Set Theory.*

2- Postgraduate Courses: *Analysis, Functional Analysis, and Differential Eqs.*

ADMINISTRATION:

Position (College of Education)	From	To
<i>Head of Mathematics Branch</i>	<i>1979</i>	<i>1982</i>
<i>Head of Mathematics Department</i>	<i>1982</i>	<i>1985</i>
<i>Head of Physics Department</i>	<i>1984</i>	<i>1985</i>
<i>Assistant Dean</i>	<i>1985-1990</i>	<i>1989-1992</i>
<i>Deputy Dean</i>	<i>1985-1990</i>	<i>1989-1992</i>

<i>Dean</i>	1989	1990
<i>Vice President, Al-Ain Scientific University (UAE)</i>	1998	1999
<i>Head of Mathematics and Science Department –Ajman Univ.</i>	1999	2008
<i>Dean of College of Education and basic Sciences</i>	2008	2011

COMPUTER SKILLS:

1- I have been using the Computer for Teaching Mathematics. In particular I use Mathematica in teaching: Calculus, Differential Equations,...

2- I use the following Microsoft Applications in preparing my seminars and other works:

Microsoft Office 2000, Microsoft Word, Microsoft Excel, Microsoft Power point.

Windows XP, Internet Explorer.

3- Now I am working on e-learning by using Moodle software. Moodle is a course management system (CMS). Software package designed using sound pedagogical principles, to help educators create effective online learning communities.

Mission, Goals, Objectives and Outcomes of an Educational Program

Recently I found myself involved in the most widespread definitions of the concepts of Mission, Goals, Objectives and Outcomes of an educational program. I propose a formulation of these concepts for the B. Ed. / Teacher Training Program in Mathematics & Science offered by the Department of Mathematics and Science of the Faculty of Education and Basic Sciences.

Assessment and Evaluation Plan

The assessment is refocusing on teaching and learning as part of a worldwide paradigm shift in higher education. The shift is away from traditional measures of institutional quality, which have focused on educational inputs, and toward measures of institutional outputs centered on demonstrable evidence of actual student learning and development.

A more efficient ongoing assessment system is implemented which includes evidence of congruence between programs and institutional mission, the alignment with the College mission, achievement of stated objectives, student learning outcomes, assessment methods, assessment results, and use of data for program improvement as per the accreditation standard of the Ministry of Higher Education, and as practiced by international universities in USA, England,...etc,

Program improvement:

Feedback and data from different sources are used in the continuous improvement and the update of the program. As a consequence, the program mission, goals, courses descriptions with specific competencies are regularly updated. Program objectives and course learning outcomes are written in clear measurable terms. An Instructor Feedback on Course Implementation has been developed.

Mosul and International Heritage:

In the last two years, I had some interest in an international heritage and local heritage, in particular "Mosul Heritage". I published more than (120) articles in different sites, such as: Mosul-network.com and Albaytalmosuly.

TRAINING AND EDUCATIONAL OPPORTUNITIES:

- 1- Fifth International Conference on Differential Equations, April 1979, Dundee, U.K.*
- 2- Course in Methods of Teaching Math. to Non-Mathematicians, Feb. 1981, British Council, Baghdad, Iraq.*
- 3- Course in Educational Technology, Mosul Univ., 1982, Iraq.*
- 4- First Arab Conference on Mathematics, Oct. 1982, Saudi Arabia.*
- 5- 19th International Congress of Math (1986), Berkley, USA.*
- 6- Fourth Arab Conference of Mathematics, April 1987, Iraq.*
- 7- Third International Conference on Fractional Calculus, May 1989, Japan.*
- 8- Second Jordanian Mathematics Conferences, Sept. 1994, Jordan.*
- 9-Fourth Int. Conference on Function Spaces, Aug. 1995 Poland.*
- 10- Third Jordanian Mathematics Conference, Sept. 1996, Jordan.*

- 11-Invited speaker to ICDE-8 (*The Eighth International Colloquium on Differential Equations. Plovdiv; August 18-23, 1997*).
- 12- *The first National Conference on Mathematical Sciences, 21-23,Nov. 1999, United Arab Emirates University, Al-Ain, UAE.*
- 13- *Math day 2005, 2004,2003. 2006, 2007, 2008, 2009, 2010, 2011, UAE.*
- 14- *ICM 2006, 21-28 August, Madrid, Spain.*
- 15- *The 6th International Conference on Differential Equations and Dynamical Systems, May 22-26, 2008, Baltimore, Maryland, USA.*
- 16- *Recent trend in Mathematics, Bahrain University, 12-14 December 2008.*
- 17- *ICM 2010, 19-27 August 2010, Hyderabad, India.*
- 18- *Khwarizmi Denay, 1-3 Dec 2010, Turkmenistan.*
- 19- *The 9th MathDay 2011, which organized by the AUST, I was the head of organizing committee.*
- 20- *Turkmenistan Tradition and Heritage, Ashgabat 10-13 November 2011, Turkmenistan.*
- 20-*All Local Conferences on Mathematics Organized by Iraqi Society of Physics and Mathematics in: 1975,1976,1979,1980,1982,1984,1986,1987,1988,1989.*

SOCIAL, CULTURAL, ACADEMIC ACTIVITIES:

1. *Secretary to the Iraqi Society of Physics and Mathematics, Mosul,1979-1982.*
2. *President of the Iraqi Society of Physics and Mathematics, Mosul,1982-1984.*
- 3- *Member of Cultural and Social Center, Mosul Univ., 1981-1982.*
- 4 - *Member of Board of the Cultural and Social Center, Mosul Univ.,1981-1982.*
- 5- *Secretary of the 5th Conference of the Iraqi Society of Physics and Maths, 1981.*
- 6- *Member of the preparatory Committee for the 4th Scientific and Educational Forum at Mosul University, May 1984.*
- 7- *Member of the Consulting Committee for Higher Education, Ministry of Higher Education, Iraq, 1989.*
- 8- *Member of the Iraqi Society of Physics and Mathematics, since 1971.*
- 9- *Member of the American Mathematical Society (AMS), since 1986.*
- 10- *Member of the London Mathematical Society (LMS), since 1996.*

- 11- Referee of Abdul-Hameed Showman Foundation. Mathematics Prize, 16 June 1997.
- 12- Selected as a member of "who's who" in Science in the world, 1998, Marquis, USA.
- 13- Distinguished Professor of Mosul University, Academic Year 1990-1991.
- 14- Editor-in-Chief, J. of Education and Science, Mosul University, Iraq, 1989-1992.
- 15- Head of Student Disciplinary Committee, Mosul-Univ., 1985-1992.
- 16- Head of School Supervision Committee, College of Education, 1985-1992.
- 17- Liaison Committee with the Ministry of Education in the Governor of Nineva, 1985-1992.
- 18- Member of the Editorial Board of Journal of Mu'tah Lil-Bohooth Wa Al-Dirasat, Mu'tah University, Jordan, since 1993.
- 19- Chairman of Academic Promotion Committee, Faculty of Science, Mu'tah University, Jordan, year 1993/1994.
- 20- Supervision of Mathematics in Mu'tah-University School, 1995- 1997.
- 21- Member of the Organizing Committee of the Second Jordanian Mathematics Conference, Sept. 1994, Jordan.
- 22- Training course in Mathematics to Ministry of Education and Youth, Department of Al-Ain Educational zone, 15-25 May 1999.
- 23- Chairman of the Research and Higher Studies Committee, Ajman University, Al-Ain Campus.
- 24- Chairman of the Examination Committee, Ajman University, Al-Ain and Ajman Campuses.
- 25 - Chairman of Evaluation and Measurement Unit, Ajman Univ., Al-Ain 2000-2003.
- 26 - Member of Academic Promotion Committee, Ajman University, since 2004.
- 27 - Member of Academic and Study Plan Committee, Ajman University, since 2004.
- 28- Reviewer for Zentralblatt Mathematics.
- 29- Chair and Member of the Organizing Committee of the MathDay, 2004 (AUS), 2005 (UAEU), 2006 (Sharjah University), 2011 (AUST), UAE.
- 30- Member of the Editorial Board of Journal of the Association of Arab Universities for Basic and Applied Sciences, University Of Bahrain, since 2004.

31- Chairman of the Committee for Re-accreditation of the Bachelor in Education Technology/ Teacher Training Program in Mathematics and Science, Ajman Univ., 2005-2006.

32- Three consultation Committee of Academic Promotion, Sharjah University, 2004-2005 and 2005-2006.

REFERENCES:

1. Prof. Dr. Ali Sayfi, Department of Mathematics, AUS, UAE. Tel: 00971-50-6322056, e-mail: sayfy@aus.ac.ae, UAE.
2. Professor Dr. Cheikh Ould Hamoud, Head of Department of Mathematics and Basic Sciences, College of Education and Science, Ajman University of science and technology, cheikhouldhamoud@yahoo.com, Mobile: 00971507379120, UAE,.
3. Dr. Ahmad Ankit, Vice-President of Ajman University of Science and Technology, ankit@ajman.ac.ae, 00971506416882, UAE.

Publication:

A - Articles:

- [1] "Estimates of Liouville-Green Type for Solutions of Systems of Diff. Equations", Proc. Royal Soc. Edinburgh, 83A, 1979, 1-9, UK.
- [2] "Estimates for Solutions of 4th-Order Differential Equations with Complex-Valued Coefficients", Arab J. Math., Vol.2, Nos.1, 1 and 2, 1981, 43-58.
- [3] "Exponentially large Estimates for Solutions of Systems of Diff. Equations", Arab J. Math., Vol. 5, Nos. 1 and 2, 1984, 69-80.
- [4] "Liapunov Stability of Differential Equations of Non-Integer Order", Arab J. Math., Vol. 7, Nos. 1 and 2, 1986, 7-17.
- [5] "On the Conditions for the Non-Oscillatory Solutions of Non-Linear Higher Order Differential Equations", J. Progress of Mathematics, Vol.21(1), 1987, 23-28, India.
- [6] "On the Conditions for Non-Oscillatory Solutions of Non-Linear Differential Equations of Non-Integer Order", J. Education and Science, Vol.5, 1987, 73-82, Iraq.

- [7] "On the Solutions of Certain Type of Diff. Equations with Fractional Derivative", *Int.(Tokyo) Conference Proceedings (1990), Fractional Calculus and Its Applications*, 52-55, Japan.
- [8] "Bounded Non-Oscillatory Solutions of Non-Linear Higher Order, Diff. Equations", *J. Education and Science*, Vol.14, 1993, 294-299, Iraq.
- [9] "Application of Ascoli's Lemma on Solutions of Generalized Order Differential Equations", *4th Int. Conference on Function Space*, 28 August -1 September, 1995, Poland.
- [10]"Local and Global Existence Theorems on Diff. Eqs. of Non-Integer Order", *J. Fractional Calculus* , Vol.7, May (1995), 111-115, Japan.
- [11] "On the geometry of the space of operator-valued maps", *Ttbinger Berichte zur Funktional analysis*, Heft 4, Jahrgang 94/95, 102-106, Germany. Also it is published in *Revista Mathematica de la Universidad Complutense De Madrid*, Titled "Denting Points in the Space of Operator-Valued Continuous Maps", Vol.9, nymero 2, (1996), 289-294, Spain.
- [12]"Unit Balls with a Nonexpansive Map", *PanAmerican Mathematical Journal*, 5(1995), No. 3, 31-37, USA.
- [13]"On the Existence of Maximal and Minimal solutions of Diff. Equations of Non-Integer Order", *J. Fractional Calculus*, Vol.9, May (1996), 41-44, Japan
- [14]"Some Existence Theorems on Differential Equations of Generalized Order through a Fixed-Point Theorem", *J. Fractional Calculus*, Vol.9, May (1996) , 45-49, Japan.
- [15]"An Operational Method for Solving Fractional Differential Equations of an Arbitrary Real Order", *PanAmerican Math J.*, 6(1996), No.1, 57-73, USA.
- [16]"A Characterization of Banach Space with Nonexpansive Map", *Mu'tah J. for Research and Study*, Vol.11,No.6, 33-49, 1996. Jordan.
- [17] "Solution of Differential Equations of Non-Integer Order in L^2 and C Spaces", *Mu'tah J. for Research and study*, Vol.(12), No.1, 169-181, 1997, Jordan.
- [18] "Theory and Applications of Fractional Differential Equations", *The Eighth Int. Colloquium on Differential Equations*, Plovdiv; Invited Speaker, August 18 - 23, 1997.

- [19] "An Algorithm for numerical Solutions of Fractional Order Differential Equations", *J. Fractional Calculus*, Vol.15, 61-66, (May) 1998, Japan.
- [20] "Asymptotic Behavior of the maximal and Minimal Solutions of Diff. Eqs. of Non-Integer order", *Far East J. Mathematical Science (FJMS)*, 6(1), 31-39, 2002.
- [21] "Dependence of solution of Differential Equations with Non-Integer order on Initial Condition and Parameters", *Al-Manarah*, Vol.(XI), No.2, April 2003, 69-76. Jordan
- [22] Some Comparison Results for Integro -Fractional Differential Equations, *Journal Fractional Calculus*, Vol. (24), Nov. 2003, 37- 44, Japan.
- [23] "Some Analytical Properties of Solutions of D. E. of Non-Integer order," *International J of Mathematics and Mathematical Sciences*, Vol.(2004), No.13,697-701, USA.
- [24] "On the Continuous Dependence of Solutions of Integro-Fractional Differential Equations with Respect to Initial Conditions, *Nonlinear Functional Analysis and Applications*, Vol.(9), No.(1), 2004, Korea كوريا
- [25] "On the inequalities of Integro-Fractional Differential Equations", *J. of Applied Mathematics*, No.1, Vol. (12), 2003, Bulgaria.
- [26] "Lyapunov Stability Solutions of Fractional Integro- D. E.", *International J of Mathematics and Mathematical Sciences*, No. 45-48, 2503-2507, 2004, USA.
- [27] "The Great Mathematician Kamal Al-Deen Bin Younis Al-Mosuly", *Ajman University of Science and Technology Journal*, Vol. (12), No. 1, pp149-171, 2007.
- [28] "Solutions of Integro-Fractional Differential Equations in L^2 and C Spaces", *The 6th International Conference on Differential Equations and Dynamical Systems*, May 22-26, 2008, Baltimore, Maryland, USA.
- [29] "Some Results on Integro-Fractional Differential .Equations", *International conference on Recent Trend in Mathematical Science*, Bahrain University 10-12 Nov. 2008.
- [30] "Standards for Quality and Academic Accreditation", *Ajman University of Science and Technology Journal*, Vol. (14), No. 2, pp: 45-72, 2009.
- [31] "Existence and Uniqueness Theorem of Fractional Mixed Volterra- Fredholm Integro-differential Equation with Integral Boundary Conditions", *Hindawi Publishing Corporation, International Journal of Differential Equations*, Volume 2011, Article ID 304570, 15 pages, doi:10.1155/2011/304570.
- [32] "Numerical Solutions of Lane-Emden Equation Using Neural Network", *Proceedings. aip.org /dbt/ dbt .jsp? KEY= APCPCS & Volume =1482 & Issue=1*, Published by the American Institute of Physics, 2012.

[33] "Existence of solutions of Differential Equations with Mixture of Integer and Fractional Derivative", *Proceedings of the Pakistan Academy of Sciences* 49 (1): 33-37 (2012), 2012.

[34] "Neural Network Technique to Estimate the Solutions of Burgers-Huxely and Burgers-Fisher Equations", *Antarctica J. Math.*, 9(6) (2012), 503-511, 2012.

[35] "Exact solution for fractional differential equations based on artificial neural network", forthcoming in "Advanced Theoretical and Applied studies of fractional Differential Equations", Elsevier, 2012.

[36] "Existence and Uniqueness Theorem for Fractional Differential Equation with Integral Boundary Condition", *Journal of Fractional Calculus and Applications*, Vol. 3, July 2012, No. 6, pp. 1-9, 2012.

B-Books:

- 1- *Complex Functions*, Mosul University Press, 1982.
- 2- *Introduction to General Topology*, Mosul University Press, 1988.
- 3- *Translation of R. Churchill, J. Brown, and R. Vehrey, Complex Variables and Application (Third edition)*, Mosul University Press, 1985.
- 4- *Differential Equations with Applications*, International publisher, Jordan, 2007.
- 5- *Mosul in the mid of last century*, Arab House for Publ., Beirut, 2013.