

Curriculum Vitae

Full Prof. Dr. W. F. H. Al-shameri



Personal and academic information:

Family name: Al-shameri. **First:** Wadia. **Middle:** Faïd Hassan.

Gender: Male. **Religion:** Muslim. **Title:** Dr. **Scientific Academic Title:** Full Professor.

Years of Experience: Approx., 21 years after Ph. D.

Home country: Yemen.

Nationality: Yemeni.

Date of birth: November 13, 1961.

Place of birth: Taiz, Yemen.

Marital status: Married.

Number of children: Male (2), Female (5).

Job title of current position: Faculty of Applied Science (FOAS), Tamar University, Yemen (Aug.11, 2002 – Continue to date).

Previous Employer: Department of Mathematics, Faculty of Science and Arts, Najran University, KSA
(26 Sep., 2009- 8 Aug., 2021)

Mobile: (+967771679790) and (+966545767029).

E-mail: wfha61@gmail.com

Current and Previous academic job(s):

Name & Address of Employer	Position or Rank	From			To			Reason For Change
		Day	Month	Year	Day	Month	Year	
Department of Mathematics, Faculty of Applied Science (FOAS), Tamar University (TU), Yemen.	Prof. of Mathematics, FOAS, TU, Yemen.	9	Aug.	2021	Continue to date			Full Prof.
Department of Mathematics, Faculty of Science and Arts, Najran University, Saudi Arabia.	Professor of Mathematics in Najran University, Saudi Arabia.	2	Sep.	2020	8	8	2021	Full Prof. Contract
Department of Mathematics, Faculty of Science and Arts, Najran University, Saudi Arabia.	Associate Professor of Mathematics + Member of Scientific Council in Najran University, Saudi Arabia.	26	Sep.	2009	1	Sep.	2020	Full Prof. Contract
Department of Mathematics, Faculty of Applied Science (FOAS), Tamar University (TU), Yemen.	Assistant Prof. of Mathematics	11	Aug.	2002	8	Dec.	2007	Promotion to associate Prof.
	Associate Prof. of Mathematics	9	Dec.	2007	1	Sep.	2020	Present academic title at this time
Faculty of Applied Science (FOAS), Tamar University, Yemen.	Head of the Dep. of Mathematics	2	Dec.	2003	31	Jan.	2007	According to Yemeni Universities regulation at most 2 periods(each period is 2 years)
Faculty of Applied Science (FOAS), Tamar University, Yemen.	Vice-Dean for students' affairs	3	Nov.	2004	26	Sep.	2009	Scientific vacation
MASTERY project, Faculty of Applied Science, Tamar University, Yemen.	Curriculum Reform Leader(CRL) Mastery Project	1	June	2005	26	Sep.	2009	Scientific vacation

Thamar University Institute for Continuous Education, Thamar University, Yemen.	Head of the Dep. of Computer Science (in addition to my duties in FOAS, TU)	4	Dec.	2004	1	March	2008	According to Yemeni Universities regulation at most 2 periods(each period is 2 years)
Information & Documentation District, Educational Research and Development Center (E.R.D.C.), Sana'a, Yemen.	Researcher (Academic title: Demonstrator/ Lecturer/Assist. Prof.)	2	Sep.	1986	10	Aug.	2002	Interests in teaching at university level in the field of my specialization. In addition, in the universities there are scientific research and developmental relevance for enhancing applications of mathematics including the use of ICT.
Department of Mathematics, Faculty of Science and Arts, Najran University, Saudi Arabia.	Professor of Mathematics in Najran University, Saudi Arabia.	2	Sep.	2020	8	8	2021	Contract

Academic Credentials (four highest degrees):

<i>Name of University</i>	<i>Country of study</i>	<i>Field of study</i>	<i>Name of degree</i>	<i>Date received</i>
AL-Mustansiriah University	Iraq	Mathematics	Ph. D.	Feb., 2002
University of Baghdad	Iraq	Mathematics	M. Sc.	Oct., 1997
University of Walse College of Cardiff	U. K.	Computer Science	Post-graduate Diploma	June, 1990
Sana'a University	Yemen	Mathematics	B. Sc.	May, 1986

M. Sc. Thesis title: *Some Results on Fractals.*

Ph. D. Thesis title: *On Non-linear Iterated Function Systems.*

Major academic discipline: *Pure Mathematics.*

Specialization: *Analysis (Dynamical Systems - Fractals).*

Topics of interest for lecturing:

a) Topics taught (or of interest for lecturing) in undergraduate program:

1. Calculus,
2. Discrete Mathematics,
3. Linear Algebra,
4. MATLAB,
3. Special Functions,
4. Groups and Rings Theory,
5. Real Analysis,
6. Numerical Analysis,
7. Complex Analysis,
8. Graphs Theory,
9. Dynamical Systems,
10. Fractals,
11. Computer Graphics.

b) Topics taught (or of interest for lecturing) in Post-graduate program(M. Sc.+ Ph.D.):

1. Mathematical Analysis,
2. Complex Analysis and its applications,
3. Advance Numerical Analysis,
4. Measure Theory,
5. Dimensions Theory,
6. Dynamical Systems & Chaos Theory,
7. Differential Geometry,
8. Fractals Geometry, and
9. Algebra and its Applications

Memberships of Professional Union(s), Council(s) and Academic Project(s):

1. Coordinator of Quality Unit in the Dep. of Math, faculty of Science and Arts, Najran University, KSA, 2020 – 8/8/2021.
2. Coordinator of the project: Continuous Continuous development of program requirements to ensure the effectiveness of academic activities and field training, Project code: 2/7, 1438-1439 H., Faculty of Science and Arts, Najran University, KAS.
3. Member of the Council of Scientific and Engineering Research Center in Najran University, Saudi Arabia, 3\11\1434 H. – 1437 H.
4. Coordinator of the Development and quality unit, Department of Mathematics, Faculty of Science and Arts, Najran University, KAS., 5\11\1434 H. – Continue to date.
5. Member of the project: Establish a comprehensive system to evaluate, monitor and improve the performance of faculty members and academic leaders, Project code: 3/5, 1435 H., Faculty of Science and Arts, Najran University, KAS.
6. Coordinator of the project: Adoption of International Standards Benchmarks for Academic Programs, Project code: 1/2, 1433-1434 H., Faculty of Science and Arts, Najran University, KAS.
7. Member of Scientific Council in Najran University, Saudi Arabia (19/2/1430–29/12/1432 H.).
8. Chairman of the programs and course specifications committee in the development and quality Assurance unit, faculty of Science and Arts, Najran University, KSA, 2011 – Continue to date.
9. Supervisor of the development and quality assurance unit, faculty of Science and Arts, Najran University, KSA, 2010-2011.
10. Member of Yemeni Researchers Union (1991-Aug. 12, 2002), Yemen.
11. Member of the Mathematical Committee for Mathematics Curriculum Revision at Secondary School; Educational Research and Development Center (ERDC), Ministry of Education, Yemen.
12. Member of the Faculty of Applied Science Council, 2002/2003-26/9/2009, Tamar University, Yemen.
13. Member of the Management Council of Tamar University Institute for Continuous Education, 2004/ 2005-March 10, 2008, Tamar University, Yemen.

14. Member of the Students' Affairs Council of Tamar University, 2003/ 2004- 26/9/2009, Tamar University, Yemen.
15. Faculty of Applied Science Curriculum Reform Leader (CRL), MASTERY (Mathematics and Science Teacher Education Reform in Yemen) project, Tamar University, Yemen, June 2005-Sep 2009.
16. Reporter of the Faculty of Applied Science Council, from Oct. 2002 - Oct. 2004.
17. Chairman of the Control of the Faculty of Applied Science for the academic year 2003/2004.

Training(s), Workshop(s) & Experience Statement(s):

1. English language Course, British Council, Sana'a, Yemen, April 19, 1987-June 22, 1987.
2. English Language Test Services (ELTS), Cambridge University Test, British Council, April 11, 1988, Sana'a, Yemen.
3. English language Course, English Language Teaching Unit (CUECOS), University College Cardiff, Walse, U.K., July 11, 1988 – September 23, 1988.
4. Training on "Computer Documentation System (CDS / ISIS) ", Central Statistics organization (CSO)– Sana'a, Yemen, Dec. 21, 1991 – Jan. 15, 1992.
5. Training on "Population Survey - Population & Housing Census", Central Statistics Organization (CSO), Sana'a, Yemen, January, 1994.
6. Training on" Innovative Methods for Teaching Science at the University Level ", organized by YNCECS, Faculty of Science (Sana'a University), ISESCO, and UNESCO (CAIRO OFFICE), Faculty of Science, Sana'a University, Yemen, January 15-17, 2005.
7. Workshop on "Discussion the Project of: Curriculum Evaluation and Development Guidance of Sana'a University", Faculty of Ed., Sana'a University, Sana'a, Yemen, February 22-24, 2005.
8. Workshop on “Developing the Curriculum of the Dep. of Mathematics”, organized by Faculty of Science, IBB University, Yemen, April 13-14, 2005.
9. Workshop on "Towards a Teacher Education Program for the Future", organized by MASTERY Project, Sana'a University, Yemen, June 21-23, 2005.
10. Workshop on "Laying the Foundation for a Better Teacher Education Program", organized by MASTERY Project, Tamar University, Yemen, Sep. 12-15, 2005.
11. Workshop on "Further Development of Standards for Teacher Education Program in Science and Mathematics", organized by MASTERY Project, Al-Hodeidah University, Yemen, Dec. 12-15, 2005.
12. Workshop on" New Science and Mathematics teacher education framework and beyond “, organized by MASTERY Project, Sana’a University, Yemen, May 29, 2006-June 1, 2006.
13. Workshop on "Building New Teacher Education Program on the Standards", organized by MASTERY Project, Tamar University, Yemen, Sep. 12-15, 2006.
14. Workshop on completion "M220: PROGRAMMING IN MATHEMATICA", Wolfram Education Group, Sultan Qaboos University, Muscat, Sultanate of Oman, April 1, 2007.
15. MASTERY Project Symposium on "Revitalizing Teaching Practice in Yemen", organized by MASTERY Project, held at Sheraton Hotel, Sana’a, Yemen, Aug. 6-8, 2007.

16. Training on "Academic Accreditation as Tool for Quality Assurance and Continuous Improvement", organized by Academic Development and Evaluation Section, Thamar University, Yemen, Aug. 11–12, 2007.
17. MASTERY Project "Management Training" with Modules Roles and Skills of the Manager, Organizational Culture, Leadership, Conflict Management, Negotiation, Change through Interventions, Oct. 28 – Nov. 1, 2007, Aden, Yemen, organized by MDF Training & Consultancy, Ede, The Netherlands.
18. Tailor-made training and development program for the preparation of Science and Mathematics subject methodology courses at Sana'a, Thamar and Al-Hodaiah Universities, organized program at the VU University in Amsterdam, Netherlands in the period 18 – 29 August 2008.
19. Workshop on "Quality Assurance in Higher Education (I)", organized within the framework of the Yemeni-Dutch cooperation project MASTERY (NPT/YEM/054), Yemen, Sana'a University, Yemen, Nov.16 – 18, 2008.
20. Workshop on "ICT for Mathematics", organized by MASTERY Project, Sana'a University, Yemen, Nov.18 – 20, 2008.
21. Workshop on "Strategy Plan for Universities I", organized by the Academic Development and Evaluation Section, Thamar University, Yemen, March 18, 2009.
22. Participated in the MASTERY Workshop "Problem Solving Course Training and Development", organized by MASTERY Project, Sana'a University, Yemen, May 16–20, 2009.
23. Workshop on "Methodologies", organized by MASTERY Project, Sana'a University, Yemen, Jan. 19 – 22, 2009.
24. Workshop on "Strategy Plan for Universities II", organized by the Academic Development and Evaluation Section, Thamar University, Yemen, April 29-30, 2009.
25. Participated in the MASTERY Workshop "Problem Solving Course Training and Development", organized by MASTERY Project, Sana'a University, Yemen, May 16 – 20, 2009.
26. Workshop on "System of Quality Assurance and Academic Accreditation", organized by the Quality Assurance and Academic Accreditation Center, Thamar University, Yemen, July 6 – 7, 2009.
27. Workshop on "Quality Assurance in Higher Education II", organized by MASTERY Project, Sana'a University, Yemen, July.20-21, 2009.
28. Many Workshops on: Graphical Calculator, Standards, Mapping Standards to Courses, Course Specifications,... , etc., workshops within the framework of the Yemeni-Dutch cooperation project MASTERY (NPT/YEM/054), Yemen.
29. Experience statement, Faculty of Applied Science, Thamar University, Yemen, May 12, 2008.
30. Experience statement, Thamar University, Yemen, May 12, 2008.
31. Experience Certificate, Vice-President for Academic Affairs, Thamar University, Yemen, June 23, 2009.
32. Experience Certificate, Faculty of Applied Science-Approved by Vice-President for Academic Affairs, Thamar University, Yemen, June 23, 2009.

- 33. Workshop on "Self Evaluation", Deputy Rectorship for Development and Quality, Najran University, KSA, March 30, 2010.**
- 34. Workshop on "Course Specification according to the National Commission for Academic Accreditation & Assessment", Preliminary year Deanship, Najran University, KSA, Nov. 09, 2010.**
- 35. Workshop on " Planning and Implementation of Self-study for Program Accreditation", National Commission for Academic Accreditation & Assessment and British Council", KSA, Feb. 19-20, 2011.**
- 36. Workshop on "The Essential Academic Leader", Academic Leadership Center, Ministry of Higher Education, KSA, March 8-0, 2011.**
- 37. Acknowledgment Certificate for Working in "Self Evaluation Project", Deputy Rectorship for Development and Quality, Najran University, KSA, 1, 1432 H.**
- 38. Acknowledgment Statement for supervising for the development and quality assurance unit, faculty of Science and Arts, Deputy Rectorship for Development and Quality, Najran University, KSA, 19-1-1432H.**
- 39. Training program on" Curriculum maps", Deanship of Development and Quality, Najran University, KSA, 16-17 March 2013.**
- 40. Training program on" Preparation of self-study reports", Deanship of Development and Quality, Najran University, KSA, 2-3 Oct. 2013.**
- 41. Training program on" Learning outcomes for programs and courses and the their measuring methods", Deanship of Development and Quality, Najran University, KSA, 11-12 Dec. 2013.**
- 42. Training program on" KPI's and Bench-mark", Deanship of Development and Quality, Najran University, KSA, 11-12 Dec. 2013.**
- 43. Training program on" Designing Improvement Plans according to Quality assurance ", Deanship of Development and Quality, Najran University, KSA, 12-13 April. 2016.**
- 44. Acknowledgment Certificate for Working in "Semester 1, academic year 1436-1437 H.", Department of Mathematics, Faculty of Science and Arts, Najran University, KSA.**
- 45. Acknowledgment Certificate for Working in "Semester 2, academic year 1436-1437 H.", Department of Mathematics, Faculty of Science and Arts, Najran University, KSA.**
- 46. Training program on" Building Overall Report and Improvement Plans ", Deanship of Development and Quality, Najran University, KSA, 04 Oct. 2016.**
- 47. Training program on" Info-graphic Education ", Deanship of Development and Quality, Najran University, KSA, 12 March 2017.**
- 48. Acknowledgment Certificate for Working in the field of Dev. and Quality in Math Dep. "Semester 1, 20/4/1439H, academic year 1438-1439 H.", Faculty of Science and Arts, Najran University, KSA.**
- 49. Training program on" International Publication of Scientific Research ", Deanship of Development and Quality, Najran University, KSA, 12 Feb. 2018.**
- 50. Training program on" Designing Personal Websites for Faculty members on the University Website ", Deanship of Development and Quality, Najran University, KSA, 28 Feb. 2018.**

51. Training Workshop on "Program Specification and Course Syllabus of the program", Dep. of Math., Faculty of Science and Arts, Najran University, KSA, 28/8-2/9/1439H.
52. Training Workshop on "The mechanism for formulating the Learning Outcomes of teaching courses and preparation of course files", Dep. of Math., Faculty of Science and Arts, Najran University, KSA, 5-7/9/1439H.
53. Training Workshop on "Preparing the Reports of the Teaching Courses and the Plans for Improving the Teaching Performance", Dep. of Math., Faculty of Science and Arts, Najran University, KSA, 12-14/9/1439H.
54. Training program on "The system of preparing study plans in Najran University", Deanship of Development and Quality, Najran University, KSA, 14 Jan. 2019.
55. Acknowledgment Certificate for working in "Academic year 1439-1440 H.", Faculty of Science and Arts, Students Activities Unit, Najran University, KSA.
56. Acknowledgment Certificate for working in "Quality", Faculty of Science and Arts, Najran University, KSA, 30/7/1440H.
57. Training Workshop on "Quality assurance and accreditation standards for the postgraduate programs and the requirements for their achievement", Deanship of Development and Quality, Najran University, KSA, 4-5 Feb., 2019.
58. Training Workshop on "Course and Program Reports According to the famous errors", Deanship of Development and Quality, Najran University, KSA, 6-7 Feb., 2019.
59. Training Workshop on "Research skills in the digital environment - the Saudi Digital Library as a model", Deanship of Library Affairs, NU, KSA, 3/3/2021.
60. Training Workshop on "Information awareness is a platform for developing self-education and continuing education", Deanship of Library Affairs, NU, KSA, 10/3/2021.
61. Training Workshop on "Hope to work", Deanship of Library Affairs, NU, KSA, 15/3/2021.
62. Training Workshop on "Academic scientific research in the Arab world: problems and solutions", Deanship of Library Affairs, NU, KSA, 17/3/2021.
63. Training Workshop on "Employing cultural heritage to serve tourism in Arab countries", Deanship of Library Affairs, NU, KSA, 24/3/2021.

Papers, Articles and Abstracts in International Conferences:

1. Al-shameri, W. F. H. (2004). Fractals from root finding iterative method. Paper presented at the Conference "6TH PAN-AFRICAN CONGRESS OF MATHEMATICIANS". Sep. 1-6. 7 November University, Tunis.
2. Al-shameri, W. F. H. (2004). Julia sets generated by numerical iterative methods. Paper presented and published by proceeding of "THE SCIENCE CONFERENCE 2004, Y. S. R. F." Annual Conference Proceedings. Oct. 11-13. Sheraton Hotel, Sana'a, Yemen.
3. Al-shameri, W. F. H. (2005). Nonlinear Generalization of Fractal Interpolation Functions. Paper presented at the "SECOND INTERNATIONAL CONFERENCE ON NONLINEAR PHENOMENA: MODELLING AND ANALYSIS-CIPLN'2005". April 25-26-27. Faculty of Science and Techniques, Moulay Ismail University, Errachidia, Morocco.

4. Al-shameri, W. F. H. (2006). Eigenvalues of Symmetric Tridiagonal Matrix by the QR-Method with Acceleration Shift. Paper presented at the "International Conference on Algebra, Number Theory and their Applications". May 11–14. Department of Mathematics and Information, Faculty of Science, Mohammed I University, Oujda, Morocco.
5. Al-shameri, W. F. H. (2007). The Mathematics and Science Teacher Education Reform in Yemen Paper presented at the conference "LEARNING TECHNOLOGIES AND MATHEMATICS MIDDLE EAST CONFERENCE". 31st of March to 2nd of April. Sultan Qaboos University, Muscat, Sultanate of Oman.
6. Al-shameri, W. F. H. (2008). The Fixed Point of Graph-Directed Iterated Function System. Paper presented at "THE THIRD INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES - ICM'2008". March 3-6. United Arab Emirates University, Al-Ain, United Arab Emirates.

Published Papers in Refereed Journals:

1. Al-shameri, W. F. H., "A Revised Algorithm That Generates Julia Sets Using Newton's Method ", SUJST No.1 (2004): A (55 - 63).
2. Al-shameri, W. F. H., "Nonlinear Generalization of Fractal Interpolation Functions ", Assiut Univ. J. of Mathematics and Computer Science 35(2), P-P. 19-35, Dec. (2006).
3. Al-shameri, W. F. H., "EIGENVALUES OF SYMMETRIC TRIDIAGONAL MATRIX BY THE QR – METHOD WITH ACCELERATION SHIFT", the Scientific Journal of the Faculty of Education - Tamar University, PP. 1-31, Vol. (1), No. (2), Jan. 2007.
4. Al-shameri, W. F. H., "Determination of the Covers for the Attractors of Iterated Function Systems ", Sana'a University Journal for Science and Technology SUJST No.4 (2007).
5. Al-shameri, W. F. H., "Sophisticated Procedure For Approximating The Fractal Pattern Box-Counting Dimension", IJAM, Volume 24 No. 5 2011, 685-708.
6. Al-shameri, W. F. H. "CORRELATION DIMENSION OF AN ATTRACTOR GENERATED BY AN ORBIT OF GENERAL TWO-DIMENSIONAL ITERATED QUADRATIC MAP", Int. J. Contemp. Math. Sciences, Vol. 7, 2012, no. 9, 413 - 424.
7. Al-shameri, W. F. H. and Mohammed, A. J., "APPROXIMATING THE CORRELATION DIMENSION OF THE FRACTAL ATTRACTOR OF ITERATED FUNCTION SYSTEM", AL-Mustansiriya J. Sci. Vol. 23, 2012, no. 2.
8. Al-shameri, W. F. H. "Dynamical Properties of the Hénon Mapping ", Int. Journal of Math. Analysis, Vol. 6, 2012, no. 49, 2419 – 2430
9. Al-shameri, W. F. H. and Mahiub, M. A. " Some Dynamical Properties of the Family of Tent Maps", Int. Journal of Math. Analysis, Vol. 7, 2013, no. 29, 1433 - 1449.
10. Mahiub, M. A. and Al-shameri, W. F. H. " Numerical Solution of Hyper Singular Integral Equations by using Differential Transform Method", European Journal of Scientific Research ISSN 1450-216X / 1450-202X Vol. 132 No 1, May, 2015, pp.83-89.

11. Al-shameri, W. F. H. " Deterministic Algorithm for Constructing Fractal Attractors of Iterated Function Systems ", European Journal of Scientific Research, ISSN 1450-216X/ 1450-202X, Vol. 134 No 1, August, 2015, pp.121-131.
12. Al-shameri, W. F. H. "Existence of the attractor of recurrent iterated function system ", Journal of Engineering and Applied Science 14(1): 182-187, 2019.
13. Al-shameri, W. F. H. "Approximating Lyapunov Exponents of a Discrete Dynamical Systems", Nanoscience and Nanotechnology Letters, Vol. 11, 1612-1615, 2019.
14. Al-shameri, W. F. H. "Some Results on Recurrent Fractal Interpolation Function", Nanoscience and Nanotechnology Letters, Vol. 12, 1038–1043, 2020.
15. Al-shameri, W.F.H.; El Sayed, M. "Fractals Generated via Numerical Iteration Method", Fractal and Fract., MDPI, 2022, 6, 196, <https://doi.org/10.3390/fractalfract6040196>.
16. El Sayed M, Al-shameri W. F. H. and El Safty M. A. "On Soft Pre-Rough Approximation Space with Applications in Decision Making", Computer Modeling in Engineering & Sciences, Tech Science Press, DOI: [10.32604/cmes.2022.020066](https://doi.org/10.32604/cmes.2022.020066).

Supervision on M. Sc. and Ph.D. Thesis (Dissertation):

1. Co-supervisor of Ph.D. Thesis entitled: On the Linear Group PSL (10, q) Over a Finite Field GF (q), where $q=2^n$, Faculty of Science, Sana'a University, Yemen (Awarded in July. 1, 2008).
2. Supervisor of M. Sc. Thesis entitled" The Capacity Dimension of the Fractal Attractor of Iterated Function System" Faculty of Science and Arts, Najran University, KSA, 2016 .
3. Supervisor of M. Sc. Thesis entitled" Fractals Initiated from Numerical Iterative Methods in the Complex Plane " Faculty of Science and Arts, Najran University, KSA, 14 March, 2019.
4. Supervisor of M. Sc. Thesis entitled" INVESTIGATING THE DYNAMICAL PROPERTIES OF THE ITERATIVE DISCRETE-TIME DYNAMICAL SYSTEM " Faculty of Science and Arts, Najran University, KSA (Continue to date).

Examination Committee(s) of Thesis(Dissertation) and Other Academic Committee(s):

1. Member of the examination committee (External Examiner) of M.Sc. Thesis entitled: On the Fundamental Properties of Stirling Numbers. Dec. 25, 2006. Faculty of Science, Sana'a University, Yemen.
2. Member and co-supervisor of the examination committee of Ph. D. Thesis entitled: On the Linear Group PSL (10, q) Over a Finite Field GF (q), where $q=2^n$. July. 1, 2008. Faculty of Science, Sana'a University, Yemen.
3. Reporter and Supervisor of the examination committee of M. Sc. Thesis entitled" The Capacity Dimension of the Fractal Attractor of Iterated Function System", Oct. 18, 2016, Faculty of Science and Arts, Najran University, KSA.
4. Internal Member of the examination committee of M. Sc. Thesis entitled" Some Results on Fractal Interpolation", Oct. 19, 2016, Faculty of Science and Arts, Najran University, KSA.

5. Internal Member of the examination committee of M. Sc. Thesis entitled” On Two-Dimensional Sampling Series”, Jan. 19, 2016, Faculty of Science and Arts, Najran University, KSA.
5. Reporter and Supervisor of the examination committee of M. Sc. Thesis entitled” Fractals Initiated from Numerical Iterative Methods in the Complex Plane ” Faculty of Science and Arts, Najran University, KSA, 14 March, 2019.
6. Member of different academic committees such as Univ. Committees, Dep. Committees and Thesis Committees.

Referee-Reviewer of Publications in Scientific Refereed Journals:

1. Reviewer of scientific paper entitled: "Coronavirus decision-making based on a locally Simply* alpha generalized closed set", Intelligent Automation & Soft Computing, 871 Coronado Center Drive, Suite 200, Henderson, Nevada, 89052, USA.
2. Reviewer of scientific paper entitled: "Decision Making on Fuzzy Soft Simply* Continuous of Fuzzy Soft Multi-Function", Computer Systems Science and Engineering, 871 Coronado Center Drive, Suite 200, Henderson, Nevada, 89052, USA.
3. Reviewer of scientific paper entitled: "Decision Making on Fuzzy Soft Upper and Fuzzy Soft Lower Simply* Continuous of Fuzzy Soft Multi-Function", Computers, Materials & Continua, 871 Coronado Center Drive, Suite 200, Henderson, Nevada, 89052, USA.
4. Reviewer of scientific paper entitled: "Medical Application on Fuzzy Soft Upper and Fuzzy Soft Lower Simply* Continuous of Fuzzy Soft Multi-Function", Computers, Materials & Continua, 871 Coronado Center Drive, Suite 200, Henderson, Nevada, 89052, USA.
5. Reviewer of scientific paper entitled: "Soft Exai -Rough Set and Its Applications in Decision Making of Coronavirus", Computers, Materials & Continua, 871 Coronado Center Drive, Suite 200, Henderson, Nevada, 89052, USA.
6. Reviewer of scientific paper entitled: A two-point boundary value problem for an abstract operator equation: Representation, existence and uniqueness, Sana'a University Journal for Science and Technology (SUJST), Sana'a University, Yemen.
7. Reviewer of scientific paper entitled: Some characterizations of strongly π regular rings; The Scientific Journal of the Faculty of Education, Faculty of Education, Thamar University, Yemen.
8. Reviewer of scientific paper entitled: Analytic solutions for Ekman Layer on a Porous plate; The Scientific Journal of the Faculty of Education, Faculty of Education, Thamar University, Yemen.
9. Reviewer of scientific paper entitled: Spherical Solitons in a Warm ion-beam multi-component Plasma, Sana'a University Journal for Science and Technology (SUJST), Sana'a University, Yemen.
10. Reviewer of scientific paper entitled: the solution of nonlinear equation of one variable, Sana'a University Journal for Science and Technology (SUJST), Sana'a University, Yemen.
11. Reviewer of scientific paper entitled: Fuzzy Star Refinement of Open Covering and Dimensions of Fuzzy Topological Spaces. The Scientific Journal of the Faculty of Education, Faculty of Education, Thamar University, Yemen.
12. Reviewer of scientific paper entitled: New B-spline Technique for Solving Fractional Integral

Equations. Thamar University Journal for Studies and Researches, Thamar University, Yemen.

13. Reviewer of scientific paper entitled: Bayesian Smoothing of Dynamic linear model – Step model. Thamar University Journal for natural and applied sciences, Thamar University, Yemen.
14. Reviewer of scientific paper entitled: Zeta function for commuting matrix subshift. Thamar University Journal of Natural & Applied Sciences, Thamar University, Yemen.

Seminars Attended

1. Seminar on "The plan of Math. Department, and Course Contents", Faculty of Applied Science, Taiz University, Yemen (2019).
2. Seminar on "The plan of Math. Department, and Course Contents", Faculty of Science and Arts, Najran University, Yemen (2018).
3. Seminar on "The plan of Math. Department, and Course Contents", Faculty of Applied Science, Thamar University, Yemen (2003).
4. Seminar on "The plan of Computer Science Department, and Course Contents ", Thamar University Institute for Continuous Education (past known as: Continuous Education Center), Yemen (2004).
5. Seminars during "6TH PAN-AFRICAN CONGRESS OF MATHEMATICIANS". Sep. 1-6 (2004). 7 November University, Tunis.
6. Seminars during the training on "THE SCIENCE CONFERENCE 2004", 11-13 Oct. (2004). Y. S. R. F., Yemen.
7. Seminar during "Innovative Methods for Teaching Science at the University Level", YNCECS, Faculty of Science (Sana'a University), ISESCO, and UNESCO (CAIRO OFFICE), Faculty of Science, Sana'a University, Yemen, January 15-17(2005).
8. Seminar on "Discussions of Guide and development Curriculum of Sana'a University", organized by Sana'a University, Yemen, Feb. 22-24, 2005.
9. Seminar on. Curriculum, at Math. Dep. Faculty of Science organized by IBB University, Yemen, April 13-14, 2005.
10. Seminars during "SECOND INTERNATIONAL CONFERENCE ON NONLINEAR PHENOMENA: MODELLING AND ANALYSIS–CIPLN'2005". April 25–26–27(2005). Faculty of Science and Techniques, Moulay Ismail University, Errachidia, Morocco.
11. Seminars during "International Conference on Algebra, Number Theory and their Applications". May 11-14(2006). Department of Mathematics and Information, Faculty of Science, Mohammed I University, Oujda, Morocco.
12. Seminars during "LEARNING TECHNOLOGIES AND MATHEMATICS MIDDLE EAST CONFERENCE". 31st of March to 2nd of April (2007). Sultan Qaboos University, Muscat, Sultanate of Oman.

13. Seminars during "THE THIRD INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES - ICM'2008". March 3-6. United Arab Emirates University, Al-Ain, United Arab Emirates.
14. Many seminars through the period Jan. 2005 – May. 2009 (at least 3 per year) organized by Mastery project.
15. Four Seminars organized by Math. Departmental council, academic years 2006/2007 - 2007/2008 Faculty of Applied Science, Thamar University, Yemen.
16. Attended two seminars as Co-supervisor of Ph. D. Thesis entitled: On the Linear Group $PSL(10, q)$ Over a Finite Field $GF(q)$, where $q=2^n$, Faculty of Science, Sana'a University, Yemen.
17. Many seminars on: Mathematics, Computer Software, and Mathematics Curriculum, organized by MASTERY project and Thamar University, Yemen.
18. Many seminars on: Mathematics, Computer Software, and Mathematics Curriculum, organized by Department of Mathematics, Najran University, KSA.

Research Projects in Progress

1. MASTERY (Mathematics and Science Teacher Education Reform in Yemen) Project in Thamar, Sana'a, Al-Hodeidah universities, Yemen and founded by Nuficc (The Netherlands Organization for International Cooperation in Higher Education), Netherlands and supervised by the Centre for International Cooperation, Vrije Universiteit Amsterdam (CIS-VUA).
2. Coordinator of the project "Adoption of international academic reference standards- Project code 1/2", Faculty of Science and Arts, Najran University, KSA, 11 months, academic year 1433-1434A. H.
3. Coordinator of the project: Continuous Development for the requirement of the Programs...etc, Project code: 2/7, 1438-1439 H., Faculty of Science and Arts, Najran University, KAS.
4. Member of the project: Evaluation of Project code: 2/7, 1433-1434 H., Faculty of Science and Arts, Najran University, KAS.
5. Coordinator of the project: International Standards for Academic Programs, Project code: 1/2, 1433-1434 H., Faculty of Science and Arts, Najran University, KAS.

Books in Progress

Currently books in progress are on:

1. Fractal Geometry
2. Numerical Analysis

Participation in Univ. / Dept. / Thesis Committees

i. Univ. Committees:

1. Faculty Committee for establishing the Dep. of Mathematics course undergraduate programs (majors: Mathematics & Computing Mathematics), Faculty of Applied Science, Thamar University, Yemen (2003) (Past).

2. Committee for writing the Guide (Arabic and English versions) of the Faculty of Applied Science, Thamar University, Yemen (2003) (Past).
3. Member of the Committee for developing University regulation for students' affairs, Thamar University, Yemen (Past).
4. Member of the Committee for establishing Thamar University Institute for Continuous Education (Past).
5. Member of the Committee of Mastery project (CRL of the Faculty of Applied Science, Thamar University, Yemen) from June of 2005 and continue to date.
6. Member of Mastery project Committees for course development, writing standards, mapping standards to courses and Math. Plan, Course Descriptions (Specifications), and ICT for Math. Program (Math. Teacher) in Faculty of Education (in Thamar, Sana'a and Al-Hodeidah Universities).
7. Member of the Faculty of Applied Science (Thamar Univ.) Council from academic year 2003/2004 till now.
8. Member of the main Control Committee of the Faculty of Applied Science, Thamar Univ. (Past).
9. Member of the management Council of Thamar Univ. Institute for Continuous Education, from academic year 2003/2004 till March, 1st, 2008 (Past).
10. Head of the Control Committee of the Faculty of Applied Science, Thamar Univ. (Past).
11. Member of the Higher Examinations Committee of the Faculty of Applied Science, Thamar Univ. 2004 till now.
12. Member of the students' affairs council for Thamar Univ. from academic year 2003/2004 till now.
13. Member of the Faculty of Applied Science (Thamar Univ.) Council as Vice-Dean for students' affairs', Nov. 3, 2004 and continue to date.
14. Member of the Council of Scientific and Engineering Research Center in Najran University, Saudi Arabia, 3\11\1434 H. – 1437 H.
15. Coordinator of the Development and quality unit, Department of Mathematics, Faculty of Science and Arts, Najran University, KAS., 5\11\1434 H. – Continue to date.
16. Member of Scientific Council in Najran University, Saudi Arabia (19/2/1430–29/12/1432 H.).
17. Chairman of the programs and course specifications committee in the development and quality Assurance unit, faculty of Science and Arts, Najran University, KSA, 2011 – Continue to date.
18. Coordinator of the development and quality assurance unit, Faculty of Science and Arts, Najran University, KSA, 2010-2011.
19. Chairman of the Academic Accreditation Committee, faculty of Science and Arts, Najran University, KSA, 1438-1439 – Continue to date.

ii. Dep. Committees:

1. Member of the Committee for establishing Computer Science Dep. (2 years program), Thamar University Institute for Continuous Education (Academic year 2004/2005) (Past).

2. Member of the Committee for Math. Plan of the Dep. of Mathematics, Faculty of Applied Science, Thamar University (Academic year 2004/2005) (Past).
3. Head and member of the Council of the Dep. Of computer science of Thamar University Institute for Continuous Education from academic year 2003/2004 to March. 2008 (Past).
4. Member of the Council of the Dep. of Computer Science, Thamar University Institute for Continuous Education from academic year 2003/2004 to March. 1, 2008(Past).
5. Head of Departmental committee of the Math. Dep., Faculty of Applied Science, Thamar University, from Dec. 2, 2003 until Jan 31st, 2007(Past).
6. Member of the Council of the Dep. of Math., Faculty of Applied Science, Thamar University from academic year Sep. 15th, 2003 till now.
7. Member of the Council of the Dep. of Math., Faculty of Science and Arts, Najran University from academic year 1430-1440H. till now.
8. Coordinator of the Development and quality unit, Department of Mathematics, Faculty of Science and Arts, Najran University, KAS., 5\11\1434 H. – Continue to date.

ii. **Thesis Committees:**

1. Member of the examination committee (External Examiner) of M.Sc. Thesis entitled: On the Fundamental Properties of Stirling Numbers. Dec. 25, 2006. Faculty of Science, Sana'a University, Yemen.
2. Member and co-supervisor of the examination committee of Ph. D. Thesis entitled: On the Linear Group $PSL(10, q)$ Over a Finite Field $GF(q)$, where $q=2^n$. July. 1, 2008. Faculty of Science, Sana'a University, Yemen.
3. Reporter and Supervisor of the examination committee of M. Sc. Thesis entitled" The Capacity Dimension of the Fractal Attractor of Iterated Function System", Oct. 18, 2016, Faculty of Science and Arts, Najran University, KSA.
4. Internal Member of the examination committee of M. Sc. Thesis entitled" Some Results on Fractal Interpolation", Oct. 19, 2016, Faculty of Science and Arts, Najran University, KSA.
5. Internal Member of the examination committee of M. Sc. Thesis entitled" On Two-Dimensional Sampling Series", Jan. 19, 2016, Faculty of Science and Arts, Najran University, KSA.
- 6.

Referee- Evaluator of Researches for promotion from Assistant to Associate Professor:

1. Referee of the Following Researches "for member of academic staff from IBB University, Yemen" for Promotion from Assistant Professor to Associate Professor:

1. "Nonlinear Iterated Function System Coding Using Neural Networks", Neural Network World (NNW), Volume 16 (2006), PP. 349-355.
 2. "Activation Function On Fractal Image Coding With Neural Networks", International Journal of Applied Mathematics (IJAM) ISSN 1311-1728, Volume 21, No. 2 (2008), PP. 227-237.
 3. "Handwriting Arabic Character Recognition Using LeNet Neural Network", accepted for publishing in the International Arab Journal of Information Technology (IAJIT), Volume 6, No.3, Jul. 2009.
- 2. Referee of the Following Researches "for member of academic staff from Al-Hodeidah University, Yemen" for Promotion from Assistant Professor to Associate Professor:**
1. "On Fuzzy Star Refinement of Open Covering and Dimensions of Fuzzy Topological Spaces ", the Scientific Journal of the Faculty of Education - Tamar University, Vol. (1), No. (5), June, 2008 PP. 7-21.
 2. "Some Properties and Zero Dimensionality in Fuzzy Metric Spaces ", International Journal of Applied Mathematics (IJAM) ISSN 1311-1728, 17 (June 2008), PP. 22-32.
 3. "Normality and Paracompactness in Fuzzy Topological Spaces ", accepted for publishing in the Tehama Journal Physical and Applied Science- Al-Hodeidah University, No. (9) PP. 224-257.
- 3. Referee of the Following Researches "for member of academic staff from Sana'a University, Yemen" for Promotion from Assistant Professor to Associate Professor:**
1. "Positive Functionals on Pseudo-Complete Locally Convex *-Algebras", Assiut Univ. J. of Mathematics and Computer Science 40(1), P-P.53-63(2011).
 2. "Some Results on Locally Locally Convex Involution Algebras", Assiut Univ. J. of Mathematics and Computer Science 40(1), P-P.65-72(2011).
 3. "On A Class of Locall Convex Involution Algebras ", Thamar University J. of Natural and Applied Sciences, 2012 A(5) 137-145.
- 4. Referee of the Following Researches "for member of academic staff from Taif University, KSA" for Promotion from Assistant Professor to Associate Professor:**

Title : Modeling Knowledge Reduction
Journal : Jokull Journal
Volume : Vol 64
Year : 2014
Pages : 144–152

Title : Attribute topologies based similarity
Journal: Journal of Cogent mathematics
Volume: 3
Year : 2016
Pages : 1-11

Title : Discovery of Similarity and Dissimilarity
Journal: Journal of Mathematics Research

Volume: 8
Year : 2016
Pages : 105-113

Title : Topological methods for reduction of digital information uncertainty

Journal: Jokull Journal

Volume: 68
Year : 2018
Pages : 2-13

Title : Metaheuristic Algorithms for Verification based on Biometric Features

Journal : International Journal of Applied Engineering Research

Volume : Vol. 13

Year : 2018
Pages : 7564-7569

Title : Attribute priority arrangement of cancellations in the life insurance using rough set

Journal : International Journal of Customer Relationship Marketing and Management (IJCRMM)

Volume : Vol. 9

Year : 2018

Pages : 16-43

Title : A topological method for reduction in digital information uncertainty

Journal : Soft Computing

Volume : Vol. 190

Year : 2019

Pages : 1344 - 1352

Title : New Classes of Soft Open Sets in Soft Generalized Topological Spaces

Journal : The Journal of Fuzzy Mathematics

Volume : Vol. 28

Year : 2020

Pages : 721-732

Title : Topological Method for a Study of Discriminating Three Categories of Banks and its use in Attributes Reduction

Journal : International Journal of Scientific Research in Science, Engineering and Technology

Volume : Vol. 7

Year : 2020

Pages : 221-233

Referee of the Following books:

1. Principles of Real Analysis, by Amin Alsanawy, Dep. of Math., Najran University, KSA, 2-6-1432 A. H.