



Saudi Arabia
Ministry of higher education
Najran University
Faculty of science and arts , sharurah

Staff Member Information Form

General Information:

Name	Faisal Abdurabu Mubarak Binjadhnan	Department	Mathematics
Staff position	Assistant Professor	Nationality	Yemeni
Specialization	Mathematics	Area of Specialization	Applied Mathematics
Email	fabinjadhnan@nu.edu.sa		

Qualifications:

Degree	Date	Country	University	way of Study
PhD	2012	Malaysia	Universiti Teknologi Malaysia	Research
M.SC.	2008	Malaysia	Universiti Teknologi Malaysia	Taught Course and Research
B.SC.	2001	Yemen	Hadhramout University	Semester System

Academic Titles:

Title	Date	Country	University	way of achievement
Tutor	2002	Yemen	Hadhramout University	Bachelor certificate
Lecturer(Teacher)	2008	Yemen	Hadhramout University	Master certificate
Assistant Professor	2012	Yemen	Hadhramout University	PhD certificate

Courses taught

Course Name	Teaching Year	Note
Calculus I	2012-2013	Hadhramout University
Calculus II	2012-2013	
Linear Algebra I	2012-2018	
Linear Algebra II	2012-2018	
Real Analysis I	2012-2018	
Real Analysis II	2012-2018	
Discrete Mathematics	2015-2016	
Functional Analysis	2018-2021	Najran University
Seminar	2018-2021	
Foundations of Mathematics	2018-2019	
Principles of Logic and Modern Algebra	2018-2019	
Solid Analytic Geometry	2018-2020	
Integral Calculus	2019-2020	
Numerical Analysis-1	2019-2021	
Euclidean & Non- Euclidean Geometry	2019-2021	

Publication while in Najran University :

- Binjadhnan, F.A.M, The academic failure and its causes among students of the Faculty of Arts and Sciences in Sharurah, the third academic forum, University of Najran. 2020.

Publication outside the University

- Binjadhnan, F.A.M. and Ahmad, T. (2010). Semigroup of EEG Signals during Epileptic Seizure. *Journal of Applied Sciences*. 10(14): 1466-1470.
- Binjadhnan, F.A.M. and Ahmad, T. (2010). EEG Signals during Epileptic Seizure as a Semigroup of Upper Triangular Matrices. *American Journal of Applied Sciences*. 7(4): 540-544.
- A.O. Barja, T. Ahmad and F.A.M. Binjadhnan. (2014). Regular Element for a Semigroup of Electroencephalography Signals during Epileptic Seizure. *Journal of Applied Sciences*, 14: 1781-1785.
- A.O. Barja, T. Ahmad and F.A.M. Binjadhnan. (2015). Group Complexity for Semigroup of Electroencephalography Signals during Epileptic Seizure. Has been accepted to publish in Research Journal of Applied Sciences, Engineering and Technology.
- Ahmad, T., Bakar, S. A., Baharun, S., & Binjadhnan, F. A. M. (2016). Coordinated transformation for fuzzy autocatalytic set of fuzzy graph type-

Participation in conferences:

- Faisal Abdurabu Mubarak Binjadhnan and Tahir Ahmad. Category of Fuzzy Topographic Topological Mapping. National Seminar on Fuzzy Theory and Applications, Universiti Teknologi Mara Malaysia: December 16, 2008.
- Faisal Abdurabu Mubarak Binjadhnan and Tahir Ahmad. (2009). Magnetic Contour Plane as a Monoid of Square Matrices under Matrix Multiplication. Presented at Simposium Kebangsaan Sains Dan Matematik ke-17. Hotel Mahkota, Melaka. 15-17 December 2009.
- Attending the faculty of science postgraduate conference (FSPGC 2010). Ibnu Sina institute, UTM, Johor Bahru. 5-7 October 2010.
- Attending the 3rd scientific conference of Hadhramout University. Mukalla, Hadhramout. 6-8 April 2014.
- Ameen Omar Ali Barja, Tahir Ahmad and Faisal Abdurabu Mubarak Binjadhnan. Some Fundamental Properties for Regular Element of Electroencephalography Signals Semigroup during Epileptic Seizure. Regional Annual Fundamental Science Symposium 2014 (RAFSS 2014), from 8th to 12th September 2014 at Persada Johor International Convention Centre.

Administrative Positions

- January 2013 – April 2017: Head of Mathematics Department, Faculty of Science, Hadhramout University
- Member of the guild committee of the teaching staff of faculty of science, Hadhramout University (January 2013-April 2015)
- Coordinator of community service committee, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1439/1440).
- Member of the educational committee, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1439/1440).
- Member of the academic advising committee, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1439/1440).
- Member of the committee of schedules and examinations, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1439/1440).
- Member of the examination paper evaluation committee, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1439/1440).
- Member of the examination committee for system and follow-up, Faculty of Science and Arts, Najran university, (7\1440 - 8/1440).
- Coordinator of curriculum development and equivalence committee, Department of Mathematics, Faculty of Science and Arts, Sharurah for the

academic year (1440/1441).

- Member of the academic advising committee, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1440/1441).
- Member of the examination paper evaluation committee, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1440/1441).
- Member of the Committee for Scientific Research and Scientific seminars, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1440/1441).
- Assistant of the supervisor of academic advising unit, Faculty of Science and Arts, Sharurah for the academic year (1440/1441).
- Member of the examination committee for system and follow-up, Faculty of Science and Arts, Najran University, (4/1441 - 5/1441).
- Member of the committee to review the final results in the Department of Mathematics, Faculty of Science and Arts in Sharurah - Najran University, (8/1441 to 9/1441).
- Coordinator of curriculum development and equivalence committee, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1442/1443).
- Member of the academic advising committee, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1442/1443).
- Member of the examination paper evaluation committee, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1442/1443).
- Member of the Committee for Scientific Research and Scientific seminars, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1442/1443).
- Assistant of the supervisor of academic advising unit, Faculty of Science and Arts, Sharurah for the academic year (1442/1443).

Activities related to the quality of higher education

- Member of the quality committee of the faculty of science, Hadhramout University (2013-2017)
- Chairman of the Committee to prepare a unified mathematics program between faculties of education at the University of Hadhramout (2014-2015)
- Prepared with Prof. Dr. Ali Omar Alattass "The first league evaluation report of bachelor of science program (Mathematics)" (April 2015)
- Coordinator of the fifth standard committee (Administration of student affairs and support services)
- Coordinator of the eleventh standard committee (Relationships with the community)
- Member of the fourth standard committee (Learning and education)
- Evaluation of an article for publication in hadhramout university journal of natural and applied science
- Supervisor of graduation projects (seminar course), Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1439/1440).

- Coordinator of the students criteria committee, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1440/1441).
- Member of the skills development committee, development and quality unit, Faculty of Science and Arts, Sharurah for the academic year (1440/1441).
- Member of the internal audit committee, development and quality unit, Faculty of Science and Arts, Sharurah for the academic year (1440/1441).
- Committee rapporteur to study the students' excuses, Faculty of Science and Arts, Sharurah for the academic year (1440/1441).
- Supervisor of graduation projects (seminar course), Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1442/1443).
- Coordinator of the students criteria committee, Department of Mathematics, Faculty of Science and Arts, Sharurah for the academic year (1442/1443).
- Committee member to study the students' excuses, Faculty of Science and Arts, Sharurah for the academic year (1442/1443).
- Member of the Planning and Follow-up Committee, Faculty of Science and Arts, Sharurah for the academic year (1442/1443).

Participation in workshops (trainer/ trainee)

- Participating in the thesis and journal writing workshop. Lecture theater 1, Ibnu Sina Institute, UTM, Johor, Malaysia. 12-13 April 2011.
- Participating in the second quality week activities. Council of Academic Accreditation and Quality Assurance in Higher Education and Academic Development & Quality Assurance Center, Hadhramout University. 15-19 March 2014.
- Attending a workshop on how to construct symmetrical programs. Academic Development & Quality Assurance Center, Hadhramout University. 21-22 February 2015.
- Attending a workshop of derivation of sub-learning outcomes for math program. Faculty of science, Hadhramout University. 29-30 January 2017.
- Attending a workshop of courses description. Faculty of science, Hadhramout University. 18 February 2017.
- Attending a workshop on faculty vision, mission, goals, SWOT analysis, strength elements and benefit from them, faculty initiatives, and their relationship to goals, Faculty of Science and Arts, Sharurah, 19 December 2018.
- Attending a workshop on methods of collecting information and statistical data in academic advising, Faculty of Science and Arts, Sharurah, 1st October 2019.
- Attending a workshop on the mechanism to review courses files, development and quality unit, Faculty of Science and Arts, Sharurah, 2nd October 2019.
- Attending a workshop on courses description according to the developed models for the National Center (NCAA), development and quality unit, Faculty of Science and Arts, Sharurah, 22 October 2019.
- Attending a workshop on performance indicators and closing the quality

circle, development and quality unit, Faculty of Science and Arts, Sharurah, 23 October 2019.

- Attending a workshop on the developed criteria of quality and program accreditation and requirements, skills development unit, Faculty of Science and Arts, Sharurah, 29 October 2019.
- Present a workshop entitled "Lines and planes in Space", at Prince Mishaal Secondary School, as part of the activities of the community service unit, Faculty of Science and Arts, Sharurah, in corporation with the administration of education in Sharurah Governorate, 6 November 2019.
- Attending a workshop entitled "Scientific Research Strategy at Najran University", Faculty of Science and Arts, Sharurah, (via live show with Najran University), 25 November 2019.
- Attending a workshop entitled "Learning Motivation and its Impact on Academic Achievement", at the Academic Advising Unit, in cooperation with the Mathematics Department, Faculty of Science and Arts, (Online), on October 5, 2020.
- Attending a workshop entitled "Learning Motivation and its Impact on Academic Achievement", at the Academic Advising Unit, in cooperation with the Departments, Faculty of Science and Arts, (Online), on October 12, 2020.
- Attending a training workshop entitled "Making Hope Program" at the Central Unit for Academic Advising at Najran University, (Online), on November 8, 2020.
- Participating in presenting a virtual training workshop entitled "Making Hope for Stumbling Students" at the Academic Advising Unit, Faculty of Science and Arts, Sharurah, on November 16, 2020 AD.

Courses (trainer/ trainee)

- Attending a training course in language skills for teaching staff. Academic Development & Quality Assurance Center, Hadhramout University. 20 -21 February 2013.
- Attending a training course in design of undergraduate programs and courses. Academic Development & Quality Assurance Center, Hadhramout University. 5 -6 March 2013.
- Attending a training course in Measurement and Evaluation. Academic Development & Quality Assurance Center, Hadhramout University. 26-27 March 2013.
- Attending a training course in the periodic assessment of academic programs. Academic Development & Quality Assurance Center, Hadhramout University. 30 March -1 April 2013.
- Attending a training course in the effective teaching. Academic Development & Quality Assurance Center, Hadhramout University. 9 -10 April 2013.
- Attending a training course entitled "Homes of Expertise in Saudi universities" in the Community Service Theater of the Faculty of Science and Arts, Sharurah, 13 November 2018.
- Attending a community training course entitled "The Importance of Mathematics in Our Life" at Imam Al-Dhahabi Secondary School, Sharurah, 14 November 2018.

- Attending a training course in the report and description of the course, Faculty of Science and Arts, Sharurah, 27 November 2018.
- Attending a training course entitled "Rubrics" at the Community Service Theater, Faculty of Science and Arts, Sharurah, 4 December 2018.
- Attending a training course entitled "Measuring learning outcomes of the course", Computer Lab, Faculty of Science and Arts, Sharurah, 12 December 2018.
- Attending a training course entitled "Developing students' learning skills", Faculty of Science and Arts, Sharurah, 30 January 2019.
- Attending a training course entitled "Basics of e-learning system", Computer Lab, Faculty of Science and Arts, Sharurah, 5 February 2019.
- Presentation of a seminar entitled "Krohn-Rhodes decomposition for EEG signals during epileptic seizure", Faculty of Science and Arts, Sharurah, 12 February 2019.
- Attending a training course entitled "Professional teaching competencies", Faculty of Science and Arts, Sharurah, 26 February 2019.
- Attending a training course entitled "Developed Academic Criteria", Faculty of Science and Arts, Sharurah, 11 March 2019.
- Attending a training course entitled "Network Learning Skills", Faculty of Science and Arts, Sharurah, 19 March 2019.
- Attending a seminar entitled "Numerical Simulation of Flood Waves at the Collapse of a Two Dimensional Dam", Faculty of Science and Arts, Sharurah, 19 March 2019.
- Attending a community training course entitled "The role of the family and the teacher in learning and teaching mathematics", at the Educational Training Center, Sharurah, 25 March 2019.
- Attending a training course entitled "Exam Paper Specifications", Faculty of Science and Arts, Sharurah, 2nd April 2019.
- Attending a training course entitled "Effective Leadership and preparing of action plans", Skills Development Unit, Faculty of Science and Arts, Sharurah, 2nd and 3rd October 2019.
- Present a training course entitled "Promote yourself in Fundamentals of Mathematics", Faculty of Science and Arts, Sharurah, 9 October 2019.
- Attending a training course entitled "Academic promotion: requirements and discussions", Skills Development Unit, Faculty of Science and Arts, Sharurah, 15 October 2019.
- Attending a training course entitled " The preparation of voluntary leaders", development and quality unit, Faculty of Science and Arts, Sharurah, 12 November 2019.
- Present a seminar entitled "Category of Fuzzy Topographic Topological Mapping", Department of Mathematics, Faculty of Science and Arts, Sharurah, 25 November 2019.
- Attending the first academic leaders forum at the University of Najran, Faculty of Science and Arts, Sharurah (Live Broadcast), 25 February 2020.
- Attending a lecture entitled " Standards for the International Classification of Universities and Requirements for Upgrading the University of Najran", Faculty of Science and Arts, Sharurah (Live Broadcast), 3 March 2020.
- Attending a training course entitled " Publication of Research in

International Journals", Skills Development Unit, Faculty of Science and Arts, Sharurah, 4 March 2020.

- Attending a training course entitled "Creating the Electronic Classrooms", Electronic Learning Unit, Faculty of Science and Arts, Sharurah, 10 March 2020.
- Attending a training course entitled " Common Mistakes in preparing programs and courses reports", Skills Development Unit, Deanship of Development and Quality, Najran University (Online), 29 April, 2020.
- Attending a training course entitled "The Scientific Poster", Skills Development Unit, Faculty of Science and Arts, Sharurah, (Online), on September 22, 2020.
- Attending a training course entitled " Designing Electronic Questionnaires", Skills Development Unit, Faculty of Science and Arts, Sharurah, (Online), on September 30, 2020.
- Attending a training course entitled "Cyber Security", Skills Development Unit, Faculty of Science and Arts, Sharurah, (Online), on October 14, 2020.
- Attending a training course entitled "Creative Leadership", Skills Development Unit, Faculty of Science and Arts, Sharurah, (Online), on October 28, 2020.
- Attending a training course entitled " Innovative motivational methods in university education ", Skills Development Unit, Faculty of Science and Arts, Sharurah, (Online), on November 11, 2020.
- Attending a training course entitled " The role of leaders of scientific departments in achieving programmatic accreditation ", Skills Development Unit, Faculty of Science and Arts, Sharurah, (Online), on November 18, 2020.
- Attending a virtual scientific session entitled " Supported Research Programs at Najran University", Deanship of Scientific Research, Najran University, on November 23, 2020.
- Attending a virtual seminar entitled "Some results of Malcov- Numan rings", Department of Mathematics, Faculty of Science and Arts, Sharurah, 24 November 2020.
- Attending a virtual training course entitled "Differentiated Instruction: Dealing with Students According to Personality Styles and Multiple Intelligences", Skills Development Unit, Deanship of Development and Quality, Najran University, on November 25, 2020.

Supervision over extra-curricular activities

Supervising and participating (sometimes) in scientific students visits outside the campus.

Educational Tasks

- February – May 2012: Visiting Lecturer, Universiti Teknologi Malaysia, Johor Bahru, Johor
- Co- supervisor of a PhD-student Ameen Omar Barja (2012-2016)

Languages

- Arabic
- English

Books

- Chapter 4: Category of Fuzzy Topographic Topological Mapping
Title of Book: Fuzzy from Theory to Application
ISBN NO: 978-967-305-490-9
Publisher: University Publication Centre (UPENA), UiTM 2010.