Maen S. Sari

Here is a Summary that shows my teaching, research, and administrative roles.

Teaching

In my perspective, the essential objective of teaching is to motivate the students to learn. This goal can be achieved by being fully prepared and knowledgeable about the subject being taught, and by creating a comfortable atmosphere in the classroom. Besides, it is very important to establish a good rapport between the instructor and the students and between the students themselves by implementing pair works, cooperative and collaborative learning. These ways of learning also increase the students' interactions and participation level. During my academic career, I have taught several courses, such as Mechanics of materials, Dynamics, Vibrations, Engineering Analysis, Machine Design, Modern Control Theory, Theory of Machines, Aerospace Structures, Fluid Mechanics, Heat Transfer, and other courses and labs.

Research

Although the job title for the faculty members at the German Jordanian University (GJU) is "Teaching Staff", one of the main duties of the instructors is to conduct research to remain updated about the new and important topics in various academic disciplines. Furthermore, as a Ph.D. holder and researcher, there are several objectives for conducting research, such as enhancing the professional development and achieving career aspiration, in addition to raising the university ranking and academic reputation. Despite having a heavy teaching load (as on average, I teach seven courses every academic year), and the fact that there is no graduate program at the Mechanical & Maintenance Engineering Department at GJU, in addition to the limited resources, I have managed to carry out some research depending on self-efforts. My research interests include Linear/Nonlinear Structural Mechanics and Dynamics at the macro and micro/nano scales, Stability analysis, and Heat Transfer. I have more than 40 articles published in peer-reviewed journals and conferences. Additionally, I am a reviewer for few international journals, such as Journal of Vibration and Control, Mechanics Based Design of Structures and Machines, Journal of Low Frequency Noise, Vibration & Active Control, International Journal of Mechanical Sciences, Journal of Mechanical Engineering Science, Journal of Sound and Vibration, Nonlinear Dynamics, and Arabian Journal for Science and Engineering.

Administrative Work

Regarding my administrative work, I have assisted the Department of Mechanical & Maintenance Engineering at GJU in achieving several administrative tasks, such as working as Head of the Department, serving as a Member of the School of Applied Technical Sciences (SATS) Council, representing the School of Applied and Technical Sciences at GJU Open House to provide information about SATS programs for newly enrolled students. In addition, I have served as a member and key contributor of different Dept. and school committees, such as the Study Plan, Teaching Assistant Recruitment, Labs Development and Maintenance, Safety, Open Day, Student Misconduct, Newsletter, Scientific Research, upgraded Vibration Lab Specifications, and Head/member of Vibration Lab Tender Committee. Furthermore, I served as a member of various councils at GJU, such as the University Council, the University Research Council, as well as the University Disciplinary Council.

CURRICULUM VITAE

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I. Area of Specialization

General Specialization: Mechanical Engineering
Research Fields: Mechanical Vibration, Linear/Nonlinear Structural Mechanics at the macro and micro/nano scales, Linear/Nonlinear Dynamics, Stability analysis, Nonlinear dynamics, Heat Transfer.

II. Education

- Ph.D. in Mechanical Engineering, New Mexico State University, New Mexico, USA, 2011.
- M.Sc. in Mechanical Engineering, Jordan University of Science and Technology, Jordan, 2005.
- B.Sc. in Mechanical Engineering, Jordan University of Science and Technology, Jordan, 2002.

III. Professional Experience

- Associate Professor, German Jordanian University, Amman, Jordan, March 2017-Present.
- Assistant Professor, German Jordanian University, Amman, Jordan, September 2014- March 2017.
- Assistant Professor, King Faisal University, Al-Ahsa, Saudi Arabia, September 2012-September 2014.
- Assistant College Professor, New Mexico State University, Las Cruces, NM, USA, August 2011-May 2012.
- Research Assistant, New Mexico State University, Las Cruces, NM, USA, January 2008-May 2011.
- Teaching Assistant, New Mexico State University, Las Cruces, NM, USA, February 2007-January 2008.
- Teaching Assistant, Jordan University of Science and Technology, Irbid, Jordan, February 2003-May 2005.
- Teaching Assistant, Jordan University of Science and Technology, Irbid, Jordan, 09/2005-05/2006.

IV. Teaching

1. Courses Taught

a) Undergraduate Courses

Course Title	Course Number	University
Dynamics	TME214	GJU
Statics and Dynamics	ME211	GJU

Mechanics of Materials	TME213	GJU
Theory of Machines	TME331	GJU
Machine Design	TME332	GJU
Mechanical Vibrations	TME515	GJU
Control Systems	2201-441	KFU
Mechanical Vibrations	2201-312	KFU
Heat Transfer	2201-325	KFU
Fluid Mechanics	2200-309	KFU
Design of Machine Elements	2201-332	KFU
Engineering Mechanics I	ENGR 233	NMSU
Heat Transfer	ME 341	NMSU
Aerospace Structures	AE 363	NMSU

b) <u>Graduate Courses: Unfortunately, there are no graduate programs in the Mechanical Engineering Departments at GJU and KFU.</u>

2. Course Coordination

I coordinated the following courses

- At GJU: TME214, TME213, TME331, TME332, and TME515.
- At KFU: 2201-441, 2201-312, 2201-325, 2200-309, and 2201-332.
- At NMSU: ENGR 233 and AE 363.

3. Evaluation of Courses Taught in the Last Two Years

Course No.	Course Title	Year	Semester	No. of Students	Evaluation score
1	Theory of Machines	2020	Fall	28	85.54%
2	Machine Design	2020	Fall	27	81.64%
3	Machine Design Lab	2020	Fall	20	87.37%
4	Machine Design	2021	Spring	25	64.44%
5	Machine Design Lab	2021	Spring	14	89.60%
6	Theory of Machines	2021	Spring	20	91.08%
7	Machine Design	2021	Summer	23	86.31%
8	Theory of Machines	2021	Fall	28	91%
9	Machine Design	2021	Fall	13	80%
10	Theory of Machines	2022	Spring	27	89.83%
11	Mechanical Vibrations	2022	Spring	17	90%
12	Machine Design	2022	Summer	30	88.59%
13	Theory of Machines	2022	Fall	51	86.66%
14	Mechanical Vibrations	2022	Fall	35	91.33%

4. Samples of Supervised/Co-Supervised Graduation Projects At GJU

- Effect of welding speed and plate thickness on the welding process during GTAW of St37 steel (supervisor), 1 student, Spring 2020.
- Energy Harvesting from Mechanical Vibrations of Structures, 3 students, (supervisor), spring 2019.
- Machines Maintenance System Enhancement to Ensure On-Time Service & Eliminate Downtime, 3 students, (supervisor), Fall 2021. This work was conducted at Mas Kreeda (Al Safi –Sahab) factory, Jordan.
- Analysis of a Rotor Centrifugal Crusher, 1 student, (supervisor), Spring 2020.
- Vibration Behavior of an Axially Functionally Graded Beam Subjected to a Moving Load, 1 student, (supervisor), Fall 2021.
- Mechanical Footstep Power Generator, 2 students, (supervisor), Summer 2021.
- The conception, design, and process evaluation of a printing head for the parallel dispensing of high viscosity metal paste for the metallization of solar cells, 1 student (co-supervisor), Spring 2021. This work was conducted at Highline Technology GmbH, Germany.
- The Design and Experimentation of Non-Contact solder Paste dispensing Systems for the optimization of Semiconductor Development, 1 student, (co-supervisor), Spring 2022. This work was conducted at Highline Technology GmbH, Germany.
- Simulation Workflow for Solar Tracking Systems with FEM, 1 student, (co-supervisor), Fall 2021. This work was conducted at IDEEMATEC GmbH, Germany.
- Development of Universal Brackets for Driving and Working lights (co-supervisor), 1 student, Fall 2020. This work was conducted at OSRAM GmbH, Germany.

5. External Examiner Committee Member for Engineering M.Sc. Thesis

- Production of Aluminum alloyed bulk Nanostructure by Using Accumulative Roll Bonding (SPD) for high strength application. Student Name: Yazan Maitah, Advisor Name: Prof. Mohammad Hamdan. University of Jordan, Fall 2020.
- Modelling and Control of Pneumatic Artificial Muscles Hysteresis Behavior Using an Adaptive-Network-Based Fuzzy Inference System. Student Name: Saad Abu Mohareb, Advisor Name: Dr. Moudar Zgoul. University of Jordan, Spring 2021.
- Impact of COVID-19 on the Performance of Maintenance Teams in Kuwait. Student Name: Abdalaziz Al-Mutairi, Advisor Name: Dr. Atef Al-Khazale. Hashemite University, Summer 2022.
- Assessment of Jordanian Fire Department Response Times: Case Study Amman Firefighting Department. Student Name: Omar Al-Refai, Advisor Name: Dr. Atef Al-Khazale. Hashemite University, Fall 2022.

6. Academic Advising (GJU)

- Academic year 2021-2022: 5 students
- Academic year 2020-2021: 15 students
- Academic year 2019-2020: 30 students
- Academic year 2018-2019: 10 students
- Academic year 2017-2018: 10 students
- Academic year 2016-2017: 30 students

V. Awards and Recognition

- 2011 Honors Graduate Certificate from New Mexico State University Graduate School in recognition of outstanding academic success and maintaining the highest graduate grade point of 4.0.
- 2007-2009 Teaching Assistantship from the Mechanical and Aerospace Engineering Department, New Mexico State University, NM, USA.
- 2008-2011 Internship and Research Assistantship on a PhD Project Funded from NASA.

VI. Scientific Publications

a) Refereed Journal Papers (peer-reviewed and indexed in Web of Science and SCImago Journal Rank)

1. Haddad, O. M., Al-Nimr, M. A. and Sari M. S.: Forced Convection Gaseous Slip Flow in Circular Micro-Channels, *Transport in Porous Media* 70 (2) (2007) 167-179.
2. Butcher, E. A., Sari, M., Bueler, E., Carlson, T.: Magnus' Expansion for time periodic systems: Parameter-dependent approximations, *Communi Nonlinear Sci Simulat* 14 (2009) 4226-4245**.**
3. Sari, M. and Butcher, E.A.: Natural Frequencies and Critical Loads of Beams and Columns with Damaged Boundaries using Chebyshev Polynomials, *International Journal of Engineering Science* 48, 862-873 (2010).
4. Sari, M., Nazari, M., and Butcher E.A.: Effects of Damaged Boundaries on the Free Vibration of Kirchfoff Plates: Comparison of Perturbation and Spectral Collocation Solutions**,** *Journal of Computational and Nonlinear Dynamics* 7 (2012) 011011-1-11.
5. Sari, M. and Butcher E.A.: Free Vibration Analysis of Non-Rotating and Rotating Timoshenko Beams with Damaged Boundaries Using the Chebyshev Collocation Method, *International Journal of Mechanical Sciences* 60 (1) (2012) 1-11.
6. Sari, M.S. and Butcher, E.A.: Free Vibration Analysis of Rectangular and Annular Mindlin Plates with Undamaged and Damaged Boundaries by the Spectral Collocation Method, *Journal of Vibration and Control* 18 (11) (2012) 1722-1736.
7. Sari, M.S. and Butcher, E.A.: Three-Dimensional Vibration Analysis of Rectangular Plates with Undamaged and Damaged Boundaries by the Spectral Collocation Method, *International Journal of Acoustics and Vibration* 19(1) (2014) 1-8.
8. Sari, M.S: Axisymmetric Free Vibration Analysis of Annular and Circular Mindlin Plates Using the Nonlocal Continuum Theory, Research Journal of Applied Sciences, Engineering and Technology, 9 (8) (2015) 561-571.
9. Sari, M.S.: Free Vibration Analysis of Annular Sector Mindlin Plates Using the Nonlocal Continuum Theory, *International Journal of Mechanical Sciences* 96-97 (2015) 25-35.
10. Sari, M.S. and Al-Qaisia, A.: Nonlinear Natural Frequencies and Primary Resonance of Euler-Bernoulli Beam with Initial Deflection using Non-Local Elasticity Theory, *Jordan Journal of Mechanical and Industrial Engineering* 10 (3) (2016) 161-169.
11. Al-Kouz, W., Sari, M., Kiwan, S, AlKhaldi: A Rarefied Flow and Heat Transfer Charasteristics Over a Vertical Stretched Surface, *Advances in Mechanical Engineering*, 8 (8) (2016) 1-13.
12. Sari, M. S. and Al-Kouz, W.: Vibration Analysis of Non-Uniform Orthotropic Kirchhoff Plates Resting on Elastic Foundation Based on Nonlocal Elasticity Theory, *International Journal of Mechanical Sciences* 114 (2016) 1-11.
13. Sari, M.S.: Superharmonic resonance analysis of nonlocal nano beam subjected to axial thermal and magnetic forces and resting on a nonlinear elastic foundation, *Microsystem Technologies*, 23 (8) (2017) 3319-3330.
14. Sari, M.S., Shaat, M., Abdelkefi A.: Frequency and mode veering phenomena of axially functionally graded non-uniform beams with nonlocal residuals, *Composite Structures* 163 (1) (2017) 280–292.

15. Sari, M.S., S. Ceballes, Abdelkefi A.: Nonlocal buckling analysis of functionally graded nano-plates subjected to biaxial linearly varying forces, *Microsystem Technologies* 24 (4) (2017) 1935-1948.
16. Al-Kouz, W., Kiwan, S., Alkhalidi, A., Sari, M., Alshare, A.: Numerical study of heat transfer enhancement for low-pressure flows in a square cavity with two fins attached to the hot wall using Al2O3-air nanofluid, *Journal of Mechanical Engineering* 64 (2017) 26-36. **(This journal is indexed in Web of Science and SCImago Journal Rank)**.
17. A. Alkhalidi, A., Kiwan, S., Al-Kouz, W., Alshare, A., Sari, M.: Rarefaction and scale effects on heat transfer characteristics for enclosed rectangular cavities heated from below, Thermal Sciences DOI: 10.2298/TSCI170621234A.
18. Alrbai, M., Qawasmeh, B. R., Al-Hamamre, Z., Sari, MS, Taamneh, Y: Impact of Exhaust Gas Recirculation on Performance and Emissions of Free-Piston Electrical Generator Fueled by DME, *Journal of Energy Engineering* 144 (3) (2018).
19. Al-Kouz, W., Al-Waked, R., Sari, M., Owhaib, W., Atieh, A.: Numerical study of heat transfer enhancement in the entrance region for low-pressure gaseous laminar pipe flows using Al_2O_3 – air nanofluid, *Advances in Mechanical Engineering* 10 (7) (2018) 1-11.
20. Sari, M.S., Al-Kouz, W., Atieh, A.: Buckling Analysis of Axially Functionally Graded Tapered Nano-Beams Resting on Elastic Foundation Based on Nonlocal Elasticity Theory, *Journal of Mechanical Engineering* 64 (2018) 1-11. **(This journal is indexed in Web of Science and SCImago Journal Rank)**.
21. Sari, M.S., Alrbai, M., Qawasmeh, B. R.: Free Vibration Characteristics of Functionally Graded Mindlin Nano-Plates Resting on Variable Elastic Foundations Using the Nonlocal Elasticity Theory, *Advances in Mechanical Engineering* 10 (12) (2018) 1-17.
22. Sari, M., Al-Kouz, W., Al-Waked, R.: Bending–Torsional Coupled Vibrations and Buckling Characteristics of Single and Double Composite Timoshenko Beams, *Advances in Mechanical Engineering* 11 (3) (2019) 1-16.
23. Atieh, A., Abdelaziz, T., Alhazaa, A., Weser, M., Al-Kouz, W., Sari, M., Alhoweml, I.: Soldering of Passive Components Using Sn Nanoparticle Reinforced Solder Paste: Influence on Microstructure and Joint Strength, *Nanomaterials* (2019) 9 (10):1-13.DOI: 10.3390/nano9101478.
24. Sari, M.S., Al-Kouz, W., Atieh, A.: Transverse Vibration of Functionally Graded Tapered Double Nanobeams Resting on Elastic Foundation, *Applied Sciences* 2020, *10* (2), 493. DOI: 10.3390/app10020493.
25. Sari, M.S., Ghaffari, S., S. Ceballes, Abdelkefi: A Buckling analysis of rectangular functionally graded nanoplates under combined thermal and mechanical loadings, *Journal of Nanoparticle Research* 22: 92 (2020) 1-21. DOI: 10.1007/s11051-020-04815-9.
26. Faroughi, S., Sari, M.S., Abdelkefi, A. : Nonlocal Timoshenko representation and analysis of multi-layered functionally graded nanobeams, *Microsystem Technologies* (2020) 1-19. DOI: 10.1007/s00542-020-04970-y.
27. Sari, M.S., Al-Dahidi, S.: Vibration characteristics of multiple functionally graded nonuniform beams, *Journal of Vibration and Control* (2020) 0 (0), 1-14. DOI: 10.1177/1077546320956768.
28. A. Rahmani, S. Faroughi, M. Sari, and A. Abdelkefi: Selection of size dependency theory effects on the wave's dispersions of magneto-electro-thermo-elastic nanobeam resting on viscoelastic foundation, *European Journal of Mechanics - A/Solids* 95 (2022), 104620.
29. Sari, M.S., Al-Dahidi, S., Hammad, B.: Free and Forced Nonlinear Vibrations of Bi-Directional Functionally Graded Euler–Bernoulli Porous Beams, *Journal of Vibration and Control* 0 (0) (2022), DOI:10.1177/10775463221084399.

30. Sari, M.S.: Natural Vibrations of Double Bi-Directional Functionally Graded Euler–Bernoulli Beams Connected by A Variable Winkler Elastic Layer, *Journal of Low Frequency Noise, Vibration and Active Control* 41(3) (2022): 996-1013, DOI:10.1177/14613484221085887.
31. Al-Dahidi S, Muhsen H, Sari MS, Alrbai M, Louzazni M, Omran N. An adaptive approach-based ensemble for 1 day-ahead production prediction of solar PV systems, *Advances in Mechanical Engineering* 14 (3) (2022). DOI:10.1177/16878132221089436.
32. A. Rahmani, S. Faroughi, M. Sari, On Wave Dispersion of a Visco-Elastic Rotating Nano-Beam based on General Nonlocal Elasticity in Thermal Environment (to be submitted).
33. Sari, M.S.: Vibration Behavior of a Hanging and Standing Functionally Graded Porous Cantilever Beam (to be submitted).

b) Refereed Conference Papers (Published in refereed proceedings)

1. Butcher, E. A., Sari, M., Bueler, E., Carlson, T.: Magnus' Expansion for Time Periodic Systems: The 12th conference on Nonlinear Vibrations, Dynamics, and Multibody Systems, Blacksburg, VA, June 1-5, 2008.
2. Butcher, E.A, Sevostianov,I., Sari, M., Al-Shudeifat, M.: Use of Nonlinear Vibration Frequencies and Electrical Conductivity Measurements in the Separation of Internal and Boundary Damage in Structures, *Proceedings of IMECE2008 ASME International Mechanical Engineering Congress and Exposition*, Boston, MA, Oct. 31-Nov.6, 2008.
3. Sari, M. and Butcher, E.A.: Natural Frequencies and Critical Loads of Beams and Columns with Damaged Boundaries Using Chebyshev Polynomials: 9th Annual Raytheon Company Mechanical, Materials and Structural Technology Network Symposium (MMSTN09) University Session, Tucson, AZ, October 22nd, 2009.
4. Butcher, E.A. and Sari M.: Free Vibration Analysis of Kirchoff Plates with Damaged Boundaries by the Chebyshev Collocation Method, Symposium on Mechanics of Slender Structures (MOSS 2010), Donostia - San Sebastian, Spain, July 21-23, 2010.
5. Sari, M., Nazari, M., and Butcher, E.A., Free Vibration Analysis of Kirchoff Plates with Damaged Boundaries by the Chebyshev Collocation and Perturbation Methods, ASME Conference on Smart Materials, Adaptive Structures, and Intelligent Systems, Philadelphia, PA, Sep. 28- Oct. 1, 2010.
6. Sari, M.S. and Butcher, E.A.: Three-Dimensional Vibration Analysis of Rectangular Plates with Undamaged and Damaged Boundaries by the Spectral Collocation Method, ASME 2011 International Design Engineering Technical Conferences (IDETC) and Computers and Information in Engineering Conference (CIE), Washington, DC, August 28-31, 2011.
7. Sari, M.S. and Qawasmeh, B.: Vibration and Primary Response Analysis of Non-Local Euler-Bernoulli Beam on Nonlinear Foundation Subjected to Thermal and Axial Magnetic Loads Using Eringen's Elasticity Theory, ASME Conference on Smart Materials, Adaptive Structures and Intelligent Systems, Colorado Springs, Colorado, September 21-23, 2015.
8. W Al-Kouz, S Kiwan, M Sari, A Alkhalidi: Similarity solution for rarefied flow over a vertical stretched surface, AIP Conference Proceedings, Rhodes, Greece, September 19–25, 2016.
9. Sari, M.S., Ghaffari, S., S. Ceballes, Abdelkefi: Nonlocal buckling characteristics of functionally graded nano-plates subjected to thermal loads and biaxial linearly varying forces, ASME Conference on Smart Materials, Adaptive Structures and Intelligent Systems, San Antonio, Texas, September 10-12, 2018.

VII. Grants

- Deanship of Graduate Studies, GJU, Experimental and Computational Investigation of Subsonic and Supersonic Mixture of Gas Flows into Nanochannel at Atmospheric or Sub-atmospheric Pressures, May 2016. Amount: 30K JOD. CO-PI
- Deanship of Graduate Studies, GJU, Interaction of Aerosols and Air using Computational Fluid Dynamics, May 2018. Amount: 49K JOD. CO-PI

VIII. Professional Memberships and Affiliations

- American Society of Mechanical Engineers (ASME).
- Jordanian Engineers Association.

IX. Professional Services and Activities

1. Reviewer of International Journals

- Journal of Vibration and Control.
- Mechanics Based Design of Structures and Machines.
- Journal of Low Frequency Noise, Vibration & Active Control.
- International Journal of Mechanical Sciences.
- Part C: Journal of Mechanical Engineering Science.
- Journal of Sound and Vibration.
- Nonlinear Dynamics.
- Arabian Journal for Science and Engineering.

2. Organizing and Chairing Technical Sessions

- Co-chaired a session about Active Structures at the ASME Conference on Smart Materials, Adaptive Structures and Intelligent Systems, Colorado Springs, Colorado, September 21-23, 2015.

3. Invited Lectures, Seminars and Presentations

- "Applications of Partial Differential Equations in Engineering", invited seminar, The University of Jordan, Department of Mathematics, Amman, Jordan, December 15th, 2022.

X. Professional Development and Workshops

- Attended and participated in several seminars organized by the GJU Deanship of Scientific Research.
- Attended the ABET Fundamentals of Assessment Workshop organized by the quality assurance department at KFU, Dec 2012.
- Attended the German accreditation presentation organized by the international office at GJU, Feb 2020.
- Attended the E-learning and blended learning workshop held at GJU, Feb 2021.
- Attended the IEEE Authorship and Open Access Symposium, Sep 2022.
- Attended the Machinery Vibration Analysis (CAT III) online course in accordance with the Vibration Institute standards, Sep 2022.

XI. University and Departmental Services (Administrative Activities)

- Head of the Mechanical and Maintenance Engineering Department, German Jordanian University, (September 2016- September 2017) and (September 2019- September 2020).
  - Acquired national accreditation with minimal resources.
  - Elevation of the rank of the admission to the department's program accepting only top students in 2016 and 2017.
- Member of the School of Applied Technical Sciences School Council, German Jordanian University, September 2014-September 2015, September 2016-September 2017, and September 2018- September 2022.
- Representative of the School of Applied and Technical Sciences at GJU Open House to provide services related to GJU programs for newly enrolled students, July-August 2022.

- Member and key contributor of the Mechanical and Maintenance Engineering Dept. Study Plan Committee, School of Applied Technical Sciences, German Jordanian University, various periods within the duration Sep 2016-Present.
- Member and key contributor of the Mechanical and Maintenance Engineering Dept. Teaching Assistant Recruitment Committees, School of Applied Technical Sciences, German Jordanian University, various periods within the duration Sep 2016-Present.
- Key Member of the School's Semester Schedule committee, School of Applied Technical Sciences, German Jordanian University, September 2016- September 2017 and September 2019- September 2020.
- Member of the following school-level committees: Labs Development and Maintenance, Safety Committee, Open Day Committee, Student Misconduct Committee, Newsletter Committee, and Scientific Research Committee, School of Applied Technical Sciences, German Jordanian University, various periods within the duration Sep 2016-Present.
- Member of the upgraded Vibration Lab Specifications Committee, German Jordanian University, Sep 2019-Sep 2020.
- Head/member of Vibration Lab Tender Committee, Mechanical and Maintenance Engineering Department, German Jordanian University, 2021.
- Member of the University Council, Sep 2018-Sep 2019.
- Member of the University Research Council, Sep 2019-Sep 2021.
- Member of University Disciplinary Council, Sep 2021-Present.
- Member of the Organizing Committee for the 9th International Jordanian Mechanical Engineering Conference Organized by Jordan Engineers Association, Amman, Jordan, Oct 2016-Sep 2017.
- Member of the Recruitment Committee, Mechanical Engineering Department, King Faisal University, Feb 2013- May 2014.
- Member of the ABET Committee, Mechanical Engineering Department, King Faisal University, Feb 2013- May 2014.