

Dr. Mona AbouEleaz



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PROFESSIONAL EXPERIENCE

- ❖ Visiting lecturer, School of Engineering, University of Central Lancashire, United Kingdom. 1st - 18th of Aug. 2019
- ❖ Post doctorate researcher, Schulich School of Engineering, Mechanical and Manufacturing Engineering Dept, University of Calgary, Canada. Jun. – Dec. 2018
- ❖ Lecturer, Prod. Eng. & Mechanical Design Department, Faculty of Engineering, Mansoura University, Egypt Dec. 2015 - present
- ❖ Lecturer Assistant, Prod. Eng. & Mechanical Design Department, Faculty of Engineering, Mansoura University, Egypt May 2009 - Dec. 2015
- ❖ Demonstrator, Prod. Eng. & Mechanical Design Department, Faculty of Engineering, Mansoura University, Egypt Mar. 2003 - May 2009

MANAGERIAL AND EXTRA CURRICULAR EXPERIENCE

- ❖ Head of institutional accreditation committee for Students Affair Sector of Mansoura University, 2020 until now.
- ❖ Deputy manager of Mansoura university center for career development, Mansoura University, Feb 2022 until 2023.
- ❖ Coordinator of the Advisory Committee of the Mechanical Engineering , Engineering syndicate , Cairo , June 2022 until now.
- ❖ Member of the Advisory Committee of the Mechanical Engineering , Engineering syndicate , Cairo , Feb 2021 until now.
- ❖ Consultant Engineering the field of Planning/Industrial Engineering specialty quality system management planning, Engineering syndicate , Cairo , Nov.2021 until now.
- ❖ Coordinator of the committee for updating the strategic plan of the faculty of Engineering, 2021.
- ❖ Member of Executive board of faculty's Quality assurance Unit, 2020 until 2022.
- ❖ Coordinator of International Relation office of Mansoura University,2020 until now.
- ❖ Established ERASMUS PhD joint program agreement between Mansoura University and UCLAN, UK , 2020.
- ❖ ERASMUS Coordinator of Erasmus PhD joint program agreement between Mansoura University, Egypt and UCLAN, UK , 2020.
- ❖ Established ERASMUS student mobility agreement between Mansoura University and UCLAN, UK, 2019.

- ❖ ERASMUS Coordinator of Erasmus Student Mobility agreement between Mansoura University, Egypt and UCLAN, UK, 2019.
- ❖ Member of institutional accreditation committee for Students Affair Sector of Mansoura University, 2019.
- ❖ Participate as a supervisor of graduation projects in “The 6th Cairo International Innovation Exhibition” under supervision and financial support of Technology innovation commercialization office (TICO), MU, Egypt .
- ❖ Member of the strategic plan committee for Community & Environmental Sector of Mansoura University, 2019.
- ❖ Member of local accreditation team of Biomedical Engineering Program, Mansoura University, 2019.
- ❖ Quality Assurance Coordinator of the Production Eng. Department since Feb 2018 till present.
- ❖ Quality Assurance Manager, Nile Higher Institute of Technology and Engineering, Jan 2016- April 2018.
- ❖ Prepared and Executed a workshop for strategic planning in higher educational organizations, Mansoura university, 2016.
- ❖ Expert Committee Member responsible for the evaluation of the strategic plans of all Faculties in Mansoura University since Jan 2016.
- ❖ Participated in establishing the strategy plan for Mansoura University, 2015-2017.
- ❖ Official Faculty of Engineering Coordinator during the external auditing of accreditation, 2015.
- ❖ Team Leader of the local academic accreditation project developing the strategic plan of Mansoura University, 2013 – 2016.
- ❖ Organized the first industrial conference at Mansoura University, March 2015.
- ❖ Worked as internal auditor for the Faculty of Engineering preparing for the local academic accreditation since 2015.
- ❖ Participated in modification, execution, and evaluation of the strategic plan of Faculty of Engineering, 2012.

EDUCATION

- ❖ **PhD in Production Engineering** 2010-2015
Thesis entitled: “*Lean Six Sigma Practices into an organizational Quality Management System*”. Faculty of Engineering, Mansoura University, Egypt
- ❖ **MSc in Industrial Engineering** 2005-2008
Thesis entitled: “*Hierarchic Framework for Quality Improvement approaches*”.
Faculty of Engineering, Alexandria University, Egypt
- ❖ **BSc in Production Engineering & Mechanical Design** 1997-2002
(*Very Good with Honor*), *Ranked First*. Faculty of Engineering, University of Mansoura, Egypt

PUBLICATIONS

- ❖ Abou-Eliaz, M., Soltan, H.A. and Eldardiery, M., A., (2010). "Hierarchic Framework for selection Quality Improvement approaches". 7th International Engineering conference of Mansoura-Sharm El-shikh, March-2010.
- ❖ Abou-Eliaz, M., El-Baz, M., A., El-Midany, T., T., (2015). "A critical review of supply chain performance evaluation". International Journal of research and Technology, Volume. 4, Issue. 06, June – 2015.
- ❖ Abou-Eliaz, M., El-Baz, M., A., El-Midany, T., T., (2015). "A framework for Performance Evaluation of Industrial Organization". Mansoura Engineering Journal, Volume. 40, Issue. 03, September – 2015.
- ❖ Abou-Eliaz, M., El-Baz, M., A., El-Midany, T., T., (2016 May). "Implementation Frame Work for Lean Six Sigma Practices into an Organization Management System " 1st international symposium in Industrial systems & Operations Management. Ain Shams University, Cairo, Egypt. 03, May – 2016.
- ❖ Elerian, F. A., Wasim MK Helal, and M. A. AbouEliaz. (2021) "Methods of Roundness Measurement: An Experimental Comparative Study." Journal of Mechanical Engineering Research and Developments ISSN: 1024-1752
- ❖ Naeim, N., AbouEliaz, M. A., & Elkaseer, A. (2023). Experimental Investigation of Surface Roughness and Material Removal Rate in Wire EDM of Stainless Steel 304. Materials, 16(3), 1022.

TEACHING EXPERIENCE

- ❖ I have experience teaching over 40 different undergraduate and postgrade engineering courses since 2003.

TRAINING & SEMINARS

- ❖ Executive Training programme on Good Governance and Digitalization, Hertie School and the national Institute for governance and sustainable development, Berlin, Germany Jan.2023
- ❖ Educational programs and courses specifications in light of the competency approach to the engineering sector , NAQAAE, Egypt Jan, 2022
- ❖ Training of Trainer's (TOT), NAQAAE, Egypt Nov.2021
- ❖ Exams and Students' Assessment Systems: Faculties and Institutes of Higher Education, NAQAAE, Egypt Oct. 2021
- ❖ Teaching Strategies and Effective Learning: Faculties and Institutes of Higher Education, NAQAAE, Egypt Sep. 2021
- ❖ Self-Evaluation for higher educational Program, NAQAAE, Egypt Feb 2021
- ❖ 2020 Teaching Excellence in Engineering Education, ASEE Dec 2020
- ❖ "How to Qualify for ABET Accreditation" A workshop Organized by Association of Arab Universities (AarU), Amman, Jordan. Nov. 2019
- ❖ Academic program accreditation workshop, Faculty of Engineering, Mansoura University, Mansoura, Egypt Oct.2019

- ❖ Introduction to Elsevier Engineering Solutions - Faculty of Engineering, Mansoura University, Mansoura, Egypt Sept. 2019
- ❖ Promoting your research capabilities: The modern knowledge Cycle, Mansoura University, Mansoura, Egypt Jul. 2019
- ❖ Alliance Pipeline Seminar: Supply Chain 3.0 and the Search for Performance, Canadian center for advanced supply chain management and logistics (CASL), Haskayne School of Business, University of Calgary, Canada. Nov. 2018
- ❖ Alliance Pipeline Seminar: Using a multiple newsvendor modeling framework to compare surgeons' risk attitudes in an English hospital, Canadian center for Advanced supply chain management and logistics (CASL), Haskayne School of Business, University of Calgary, Canada Nov. 2018
- ❖ Operations Management and Its Development Diploma, Alison, Egypt Oct. 2017
- ❖ Strategic planning for higher educational Institutes, NAQAAE, Egypt Feb. 2016
- ❖ External Review for higher educational Institutes, NAQAAE, Egypt Mar. 2015
- ❖ Self-Evaluation for higher educational Institutes, NAQAAE, Egypt Feb. 2015
- ❖ Educational programs and courses specifications and Evaluation of learning outcomes, NAQAAE, Egypt. Feb 2015
- ❖ attended 20 faculty members development programs at Mansoura university development center . 2009 - 2020

RESEARCH INTERESTS

Smart Manufacturing, Industry 4.0, Performance Enhancement of Production and Service Systems through various Quality Improvement approaches, Lean Six Sigma approach, optimization methods, Response Surface Methodology, Uncertainty Analysis, MCDM, Decision Making Under Uncertainty, Measurement Uncertainty, Mechanical Testing, Minitab Statistical Software, ANSYS, Machining.

LANGUAGE SKILLS:

- ❖ English: Fluent written and spoken

GRADUATION PROJECTS

- ❖ Supervised over 30 different graduation projects.

INTERESTS

- ❖ Reading, Drawing, Sport. Traveling, listening to Music.

REFERENCES

References available upon request.