



Eng. Doaa Ali Al Yafeai

Lab Specialist – Academic Support

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Education

Master of Science in Mechanical Engineering, 2020

Bachelor of Science in Mechanical Engineering, 2015,

Short Bio

Eng. Doaa Al Yafeai joined Abu Dhabi Polytechnic in May 2021 as a Lab Specialist in the Academic Support Department. She was awarded her master's degree in the Mechanical Engineering with thesis-based from United Arab Emirates University (UAEU) with a GPA of 3.88/4.00 in May 2020. Eng. Doaa's thesis was focused on the Energy Harvesting from Car Suspension Systems, which is a cutting-edge research topic. She was able to publish different international journals and conference papers.

Publications

[1] T. Darabseh, D. Al-Yafeai, and A.-H. Mourad, "Energy harvesting from car suspension system: Mathematical approach for half car model", *Journal of Mechanical Engineering and Sciences (JMES)*, 2021, 15(1), pp. 7695 – 7714, doi: <https://doi.org/10.15282/jmes.15.1.2021.07.0607>

[2] T. Darabseh, D. Al-Yafeai, A.-H. Mourad, and F. Almaskari, "Piezoelectric Method-Based Harvested Energy Evaluation from Car Suspension System: Simulation and Experimental Study," *Energy Science & Engineering*, 2020, 9(3), pp. 417– 433, doi: <http://dx.doi.org/10.1002/ese3.829>

[3] D. Al-Yafeai, T. Darabseh, and A.-H. Mourad, "A State-of-the-Art Review of Car Suspension Based Piezoelectric Energy Harvesting Systems," *Energies* 2020, 13(9), 2336, doi: <https://doi.org/10.3390/en13092336>