



# **ACK Research Report**

## **Academic Year 2016/2017**

## Publications (Journals, Conferences, and Books)

The ACK faculty members published a total of 109 research work (68 journal papers, 2 book chapters, and 39 conference papers) in 2016/2017 academic year (Figure 1). Many peer-reviewed papers were published in Q journals (ranking based on Scopus) as depicted in Figure 2. According to Scopus, Twenty eight publications in Q1 Journals (research paper published in top 25% of the international journals), nine publications in Q2 journals (research paper published in the middle-high position – between top 50% and top 25%), seven publications in Q3 journals (middle-low position), and two publications in Q4 journals (bottom 25% of the Impact Factor).

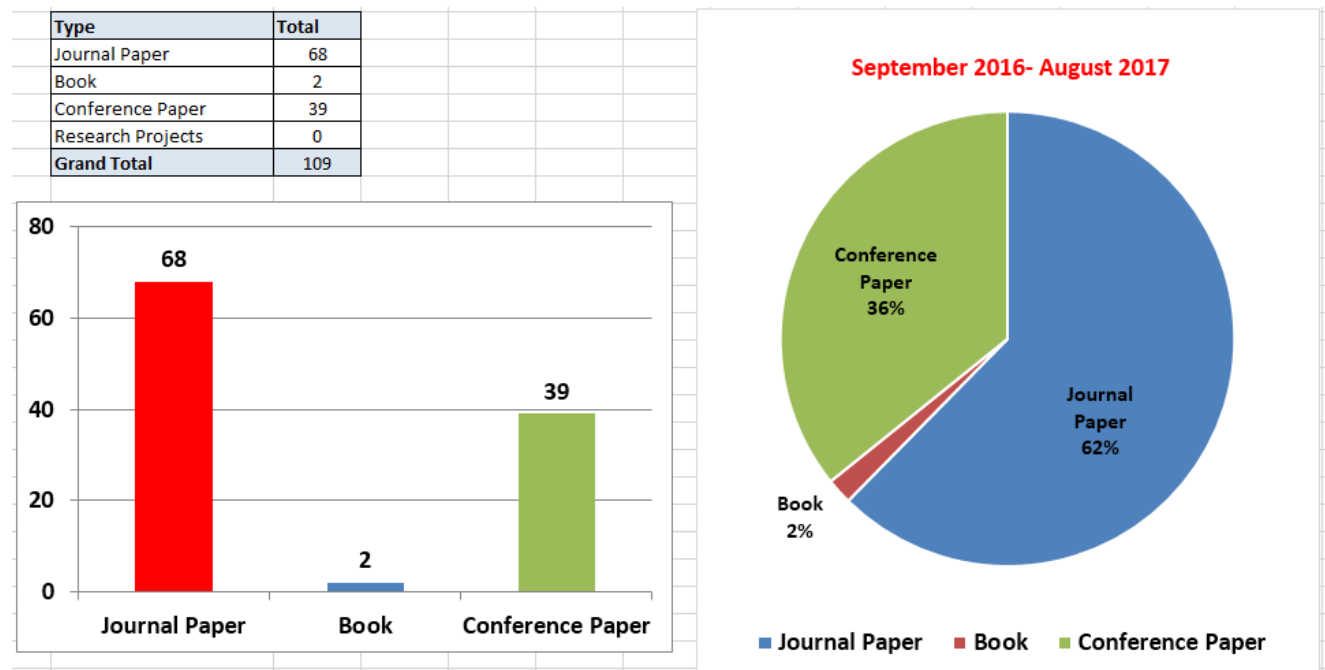


Figure 1. ACK Research Faculty Output 2016/2017

| Quartile (From Scopus) | Number of Published Journal Paper |
|------------------------|-----------------------------------|
| Q1                     | 28                                |
| Q2                     | 9                                 |
| Q3                     | 7                                 |
| Q4                     | 2                                 |
| No Impact Factor (NIF) | 21                                |
| <b>Grand Total</b>     | <b>67</b>                         |

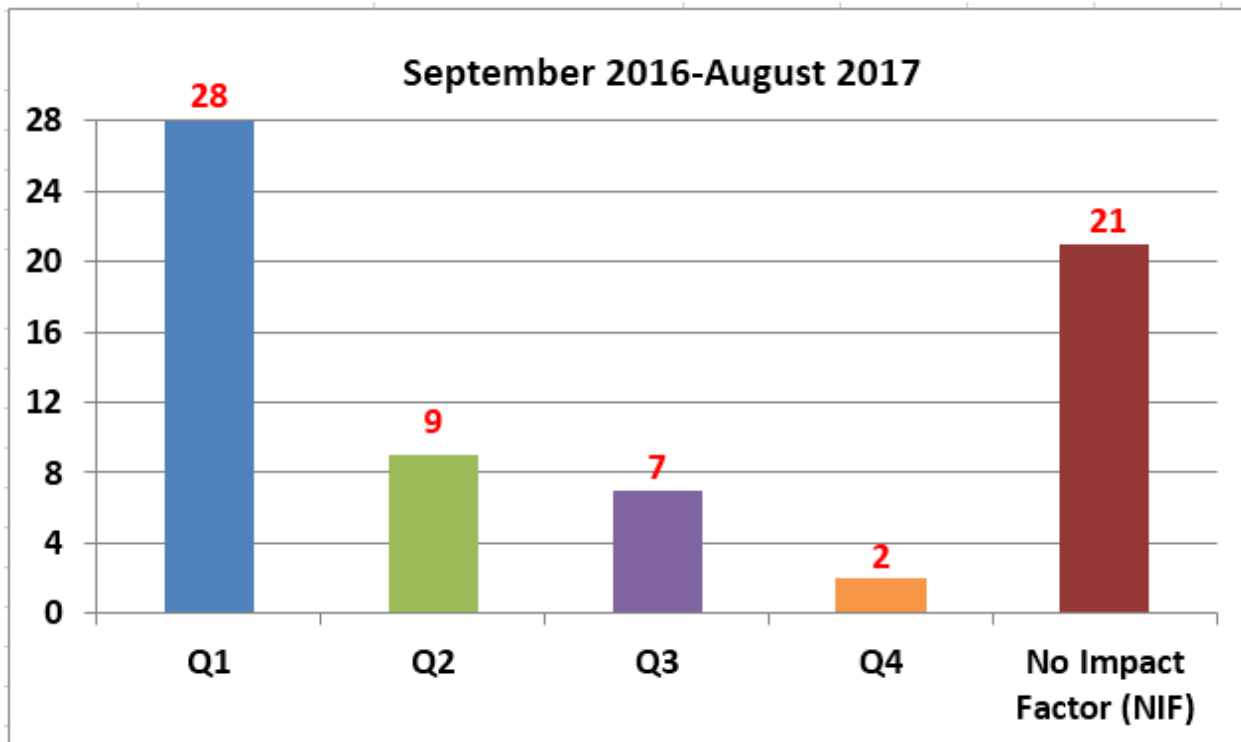


Figure 2. ACK Research Faculty Output in Q-Journals for 2017/2018

## Full details on the publications of the ACK Faculty Members for the academic year 2016/2017

| Australian College of Kuwait 2016-2017 Academic Research |   |     |         |  |                  |  |      |           |          |
|--|---|-----|---------|--|------------------|--|------|-----------|----------|
|  | Authors                                     | Dep | School  | Title  | Category         | Name of Journal/ Conference  | Date | SCOPUS IF | Quartile |
| <b>English Language Department</b>                       |   |     |         |  |                  |  |      |           |          |
| 1  | Dr. Abdessattar Mahfoudhi                   | ELD | English | Co-edited Language development and impairment in Arabic speaking children                                | Book Chapter     | The special issue Arab Journal of Applied linguistics  | 2017 | N/A       | N/A      |
| 2  | Fajer Al-Rashid                             | ELD | English | Appropriation and Textual Reconstruction: Erasure Reconsidered   | Conference Paper | Kuwait University's Cultural Day   | 2017 | N/A       | N/A      |
| 3  | Fajer Al-Rashid                             | ELD | English | The Structure and Tenets of English Language Teaching in Kuwait  | Conference Paper | 3rd International Colloquium on Languages, Cultures, Identity in Schools and Society- Spain      | 2017 | N/A       | N/A      |
| 4  | Dr. Abdessattar Mahfoudhi                   | ELD | English | Learning and teaching English in the Arab context: challenges and practical classroom applications       | Conference Paper | English Language Program 1st and 2nd Annual Conference   | 2017 | N/A       | N/A      |
| 5  | Dr. Abdessattar Mahfoudhi                   | ELD | English | Teaching and Learning English as a Second Language and Literacy"   | Conference Paper | English Language Program 3rd Annual Conference   | 2017 | N/A       | N/A      |
| 6  | Al-Sharhan, A., Mahfoudhi, A. & Everatt, J. | ELD | English | Phonological processing and the acquisition of reading in Arabic-speaking children across grades 2 to 9. | Conference Paper | The Twenty-fourth Annual Meeting of the Society for the Scientific Study of Reading. Halifax, NS | 2017 | N/A       | N/A      |
| 7  | Sara Al Shihab                              | ELD | English | Helping Students Develop Communicative Efficiency in Speaking  | Conference Paper | ACK Conference   | 2017 | N/A       | N/A      |

## School of Engineering

|  | Authors   | Dep | School      | Title   | Category         | Name of Journal/ Conference  | Date | SCOPUS IF | Quartile |
|--|---|-----|-------------|---|------------------|--|------|-----------|----------|
| <b>Department of Civil Engineering</b> |   |     |             |   |                  |  |      |           |          |
| 8                                      | Zhunussova, M., Jaeger, M. & Adair, D.  | CIV | Engineering | Application of CFD modelling to air quality in Kuwait City  | Article          | Environmental Fluid Mechanics 17(2), pp. 395-413 DOI 10.1007/s10652-016-9497-5   | 2017 | 1.72      | Q2       |
| 9                                      | Jaeger M., Adair D., Al-Mughrabi A., Reda M.                                  | CIV | Engineering | Impact of sequencing hands-on and theory in a concrete structures design course   | Article          | International Journal of Engineering Education   | 2017 | 0.96      | Q2       |
| 10                                     | Gerges M., Austin S., Mayouf M., Ahiakwo O., Jaeger M., Saad A., Gohary T.-E. | CIV | Engineering | An investigation into the implementation of building information modeling in the middle east  | Article          | Journal of Information Technology in Construction  | 2017 | 1.46      | Q2       |
| 11                                     | Taha Ahmed, Hosin Lee, and R. Christopher Williams                            | CIV | Engineering | Using a Modified Asphalt Bond Strength Test to Investigate the Properties of Asphalt Binders with Poly Ethylene Wax-based Warm Mix Asphalt Additive | Article          | International Journal of Pavement Research and Technology. Vol. No., pp. ISSN: 1996-6814   | 2017 | 0.48      | Q2       |
| 12                                     | Soleimani S.M., Boyd A.J., Komar A.J.K.                                       | CIV | Engineering | Pressure-tension test for assessing fatigue in concrete   | Conference Paper | Proceedings of SPIE - The International Society for Optical Engineering  | 2017 | 0.48      | N/A      |
| 13                                     | Ghodoosi, F., Bagchi, A., and Zayed, T.                                       | CIV | Engineering | Calibration of Bridge Deck Deterioration Model using Non-Destructive Evaluation   | Conference Paper | Proceedings of the 41st IASTEM International Conference,, 06-07 December 2016, Melbourne, Australia                              | 2016 | N/A       | N/A      |
| 14                                     | Elhamrawy, S. and Waly, M.  | CIV | Engineering | Concrete Pavement Reduce Energy Consumption   | Conference Paper | The first International Conference On New Trends For Sustainable Energy – ICNTSE 2016 – held at Pharos university in Alexandria. | 2016 | N/A       | N/A      |
| 15                                     | Khazaeli, S., Manolache, L, and S.M. Soleimani, S.M.                          | CIV | Engineering | Bond Graph based Bayesian Network (BGBN) for Damage Diagnosis in Structural Health Monitoring   | Conference Paper | Proceedings of the 11th International Workshop on Structural Health Monitoring, Stanford University, California, U.S.A.          | 2017 | N/A       | N/A      |
| 16                                     | Mughrabi, A., Jaeger, M., and Soleimani, S.M.                                 | CIV | Engineering | Using Fuzzy Analytic Hierarchy Process to Assign Weights to Project Based Learning Outcomes   | Conference Paper | Proceedings of the 6th International Research Symposium on PBL (IRSPBL), Bogotá, Colombia  | 2017 | N/A       | N/A      |

## Department of Electrical Engineering

|    |  |      |             |   |                  |   |      |                                       |     |
|----|--|------|-------------|---|------------------|---|------|---------------------------------------|-----|
| 17 | <b>Mehdzadeh A.</b> , Gardiner B.S., Lavagnino M., Smith D.W.                                      | ELEC | Engineering | Predicting tenocyte expression profiles and average molecular concentrations in Achilles tendon ECM from tissue strain and fiber damage | Article          | Biomechanics and Modeling in Mechanobiology                             | 2017 | 2.93                                  | Q1  |
| 18 | Widyan M.S., <b>Alomari M.M.</b> , Hanitsch R.E.   | ELEC | Engineering | Loss of excitation of SMIB power system equipped with high photovoltaic penetration with constant injected voltage                      | Article          | Electrical Engineering  | 2017 | 0.72                                  | Q3  |
| 19 | Mirsepahi A., <b>Mehdzadeh A.</b> , Chen L., O'Neill B., Mohammadzaheri M.                         | ELEC | Engineering | Comparison of inverse modelling and optimization-based methods in the heat flux estimation problem of an irradiative dryer/furnace      | Article          | Journal of Computational Science  | 2017 | 2.49                                  | Q1  |
| 20 | <b>AL-Tae A.R.</b> , Dolan M., Yuan F.   | ELEC | Engineering | An edge-based dual adaptive decision feedback equalizer for Gbps serial links   | Article          | Analog Integrated Circuits and Signal Processing                        | 2017 | 0.78                                  | Q3  |
| 21 | <b>Al-Ka'bi A.</b>   | ELEC | Engineering | Computation of extended Suzuki mobile fading channel (Type I) parameters  | Article          | Transactions on Electrical Engineering, Electronics, and Communications | 2017 | 0.69                                  | Q3  |
| 22 | <b>Alomari M.M.</b> , Sabati M., Widyan M.S., Alshdaifat N.I.                                      | ELEC | Engineering | Modeling and simulation for Bifurcations of SSR in large wind farms   | Article          | International Journal of Renewable Energy Research                      | 2017 | 0.83                                  | Q3  |
| 23 | <b>M Abdul-Niby</b> , M Alameen, H Baitie  | ELEC | Engineering | A Simple Phase Shifting Technique for an Injection Locked Oscillator  | Article          | Engineering, Technology & Applied Science Research                      | 2016 | 1.44<br>(generalimpac<br>tfactor.com) | N/A |
| 24 | <b>Mohammed Farhat</b> , <b>Mohammed Abdul-Niby</b> , Mohammed Abdullah, Abdelbaset Nazzal         | ELEC | Engineering | Automated Weather Station for Real Time & Local Measurements  | Article          | Engineering, Technology & Applied Science Research ( ETASR)             | 2017 | 1.44<br>(generalimpac<br>tfactor.com) | N/A |
| 25 | <b>Majdi M. Alomari</b> , Mohammad S. Widyan, <b>Mohammed Abdul-Niby</b> , <b>Alireza Ghehtasi</b> | ELEC | Engineering | Hopf Bifurcation Control of Subsynchronous Resonance Utilizing UPFC   | Article          | Engineering, Technology & Applied Science Research ( ETASR)             | 2017 | 1.44<br>(generalimpac<br>tfactor.com) | N/A |
| 26 | SR Young, B Gardiner, <b>A Mehdzadeh</b> , J Rubenson, B Umberger, DW Smith                        | ELEC | Engineering | Adaptive remodeling of achilles tendon: A Multi-scale computational model   | Article          | PLOS Computational Biology  | 2017 | 4.36                                  | Q1  |
| 27 | A Eilaghi, DA McLean, <b>M Sabati</b>  | ELEC | Engineering | Quantitative Susceptibility Mapping Provides an Imaging Based Biomarker for Early Detection of Cognitive Impairment.                    | Conference Paper | 3rd Kuwait North American Neurology Conference                          | 2016 | N/A                                   | N/A |
| 28 | <b>Hassan Salti</b> , Raphael Gillard  | ELEC | Engineering | A Single Layer Stub-Patch Phoenix Cell for Large Band Reflectarrays   | Conference Paper | European Conference of Antennas and propagation 2017                    | 2017 | N/A                                   | N/A |
| 29 | <b>Mohamad Farhat</b> , Bal Virdee, Muhammad Riaz  | ELEC | Engineering | Compact Quad-Band Bandpass Filter Based on Stub-Loaded Resonators   | Conference Paper | International microwave symposium                                       | 2017 | N/A                                   | N/A |

### Department of Mathematics

|    |  |      |             |  |         |                                  |      |      |    |
|----|--|------|-------------|--|---------|----------------------------------|------|------|----|
| 30 | Esen O., <b>Gümrall H.</b>                                   | MATH | Engineering | Tulczyjew's triplet for lie groups II: dynamics  | Article | Journal of Lie Theory            | 2017 | 0.52 | Q2 |
| 31 | <b>M. Nazari</b> , et. al                                    | MATH | Engineering | Framework - mediated Synthesis of Highly Microporous Onion-Like Carbon: Energy Enhancement in Supercapacitors without Compromising Power | Article | Journal of Materials Chemistry A | 2017 | 8.54 | Q1 |
| 32 | O. Esen, A Ghose Choudhury, Partha Guha, <b>H. Gümrall</b> , | MATH | Engineering | Superintegrable Cases of Four Dimensional Dynamical Systems  | Article | Regular and Chaotic Dynamics     | 2016 | 2.08 | Q1 |
| 33 | <b>H. Gümrall</b>  | MATH | Engineering | Lagrangian Description, Symplectisation and Eulerian Dynamics of Incompressible Fluids   | Article | Turkish Journal of Mathematics   | 2016 | 0.35 | Q3 |
| 34 | F. Çağatay-Uçgun, O. Esen, <b>H. Gümrall</b>                 | MATH | Engineering | Reductions of Topologically Massive Gravity I: Analysis of Second Order and Degenerate Lagrangians,                                      | Article | Journal of Mathematical Physics  | 2017 | 0.85 | Q2 |

### Department of Mechanical Engineering

|    |  |      |             |  |         |  |      |      |     |
|----|--|------|-------------|--|---------|--|------|------|-----|
| 35 | <b>Khanafer K.</b> , Aithal S.M.   | MECH | Engineering | Mixed convection heat transfer in a lid-driven cavity with a rotating circular cylinder                                | Article | International Communications in Heat and Mass Transfer               | 2017 | 3.8  | Q1  |
| 36 | Sapardi A.M., <b>Hussam W.K.</b> , Pothérat A., Sheard G.J.  | MECH | Engineering | Linear stability of confined flow around a 180-degree sharp bend   | Article | Journal of Fluid Mechanics   | 2017 | 2.64 | Q1  |
| 37 | <b>Sedaghat A.</b>   | MECH | Engineering | A novel and robust model for determining rheological properties of Newtonian and non-Newtonian fluids in a             | Article | Journal of Petroleum Science and Engineering                         | 2017 | 2.31 | Q1  |
| 38 | Ouda O.K.M., Raza S.A., <b>Al-Waked R.</b> , Al-Asad J.F., Nizami A.-S.  | MECH | Engineering | Waste-to-energy potential in the Western Province of Saudi Arabia  | Article | Journal of King Saud University - Engineering Sciences               | 2017 | N/A  | N/A |
| 39 | <b>Eilaghi A.</b> , Baig S., Zhang Y., Zhang J., Karanicolas P., Gallinger S., Khalvati F., Haider M.A.                    | MECH | Engineering | CT texture features are associated with overall survival in pancreatic ductal adenocarcinoma - a quantitative analysis | Article | BMC Medical Imaging  | 2017 | 1.22 | Q2  |
| 40 | <b>Bani-Hani E.</b> , Qassem H., Kandari M.A., Azmi S.A., Khalid M., Bu-Mijdad H., <b>Khanafer K.</b> , <b>Sedaghat A.</b> | MECH | Engineering | Experimental Analysis of an Improved Solar Still System with Cooling Fan and Preheating Oil                            | Article | Energy Engineering: Journal of the Association of Energy Engineering | 2017 | 0.14 | Q3  |
| 41 | Sadri K., <b>Amini A.</b> , Cheng C.   | MECH | Engineering | A new numerical method for delay and advanced integro-differential equations   | Article | Numerical Algorithms   | 2017 | 1.11 | Q1  |
| 42 | Marouane H., Shirazi-Adl A., <b>Adouni M.</b>  | MECH | Engineering | 3D active-passive response of human knee joint in gait is markedly altered when simulated as a planar 2D joint         | Article | Biomechanics and Modeling in Mechanobiology                          | 2017 | 2.93 | Q1  |

|    |   |      |             |   |         |  |      |                              |     |
|----|---|------|-------------|---|---------|--|------|------------------------------|-----|
| 43 | Kadhim S.K., Nasif M.S., Al-Kayiem H.H., Nagarajan T., Al Waked R.                                      | MECH | Engineering | Numerical investigation on the effect of blood flow induced vibration on bileflet artificial heart valve by using fluid structure interaction technique | Article | ARPN Journal of Engineering and Applied Sciences                 | 2017 | 0.36                         | Q3  |
| 44 | Zargartalebi H., Ghalambaz M., Khanafer K., Pop I.  | MECH | Engineering | Unsteady conjugate natural convection in a porous cavity boarded by two vertical finite thickness walls   | Article | International Communications in Heat and Mass Transfer           | 2017 | 3.8                          | Q1  |
| 45 | Khanafer K., Aithal S.M., Assad M.E., Pop I.  | MECH | Engineering | Flow and heat transfer in a driven cavity with two cylinders  | Article | Journal of Thermophysics and Heat Transfer                       | 2017 | 1.43                         | Q2  |
| 46 | Moghadasi M., Ilghari D., Sirati-Sabet M., Amini A., Asghari H., Gheibi N.                              | MECH | Engineering | Structural characterization of recombinant human fibroblast growth factor receptor 2b kinase domain upon interaction with omega fatty acids             | Article | Chemistry and Physics of Lipids                                  | 2017 | 3.22                         | Q1  |
| 47 | Alshuraiaan B., Khanafer K.   | MECH | Engineering | The effect of the position of the heated thin porous fin on the laminar natural convection heat transfer in a differentially heated cavity              | Article | International Communications in Heat and Mass Transfer           | 2016 | 3.8                          | Q1  |
| 48 | Hamid A.H.A., Hussam W.K., Sheard G.J.  | MECH | Engineering | Heat transfer augmentation of a quasi-two-dimensional MHD duct flow via electrically driven vortices  | Article | Numerical Heat Transfer; Part A: Applications                    | 2016 | 2.20                         | Q1  |
| 49 | Mamdouh El Haj Assad, Ehab Bani-Hani, Ahmad Sedaghat, Ali Al-Muhaiteeb, Khalil Khanafer, Malathe Khalil | MECH | Engineering | New Pneumatic System for Tidal Energy Conversion  | Article | Journal of Power and Energy Engineering                          | 2016 | 0.87 (From Journal Website)  | N/A |
| 50 | Khalil Khanafer and Kambiz Vafai  | MECH | Engineering | Analysis of the anomalies in graphene thermal properties  | Article | International Journal of Heat and Mass Transfer                  | 2017 | 3.63                         | Q1  |
| 51 | Fadi Alkhatib, Anoop K. Dhingra   | MECH | Engineering | Vibration Analysis, Shape and design of Motorcycle Mounting System Subjected to Shaking Forces  | Article | International Journal of Engineering Sciences and Technology     | 2016 | 4.116 (From Journal Website) | N/A |
| 52 | Fadi Alkhatib, Anoop K. Dhingra   | MECH | Engineering | Dynamic Analysis and Design of Motorcycle Mounting System Subjected to Road Loads   | Article | International Journal of Mechanical Engineering and Applications | 2016 | N/A                          | N/A |
| 53 | S. Sadri, A. Amini, C. Cheng,   | MECH | Engineering | A New Operational Method to Solve Abel's and Generalized Abel's Integral Equations  | Article | Applied Mathematics and Computation                              | 2017 | 1.86                         | Q1  |
| 54 | L. Zhang, Y. Zhang, R. Shi, S. Bao, J. Wang, A. Amini, B. N. Chandrashekar, C. Cheng                    | MECH | Engineering | Phosphorous doped graphitic C 3 N 4 hierarchical architecture for hydrogen production from water under visible light                                    | Article | Materials Today Energy   | 2017 | N/A                          | N/A |
| 55 | S. Akbarnezhad, A. Amini, A. S. Goharrizi, T. Rainey, L. Morawska                                       | MECH | Engineering | Capacity of quartz fibers with high filtration efficiency for capturing soot aerosol particles  | Article | International Journal of Environmental Science and Technology    | 2017 | 2.04                         | Q2  |
| 56 | M. Khatami, S. M. Mortazavi, Z. K. Farahani, A. Amini, E. Amini, H. Heli                                | MECH | Engineering | Biosynthesis of silver nanoparticles using pine pollen and evaluation of the antifungal efficiency  | Article | Iranian Journal of Biotechnology                                 | 2017 | 0.4                          | Q4  |
| 57 | L. Haghshenas, A. Amini, A. B. Bhatti, G. Rahimi  | MECH | Engineering | In vitro Antibacterial Biofilm effect of Magnesium Oxide Nanoparticles on Streptococcus mutans  | Article | Journal of Micro & Nano Biomedicine                              | 2017 | N/A                          | N/A |
| 58 | M. Soltani Nejad, G.H. Shahidi Bonjar, M. Khatami, A. Amini, S. Aghighi                                 | MECH | Engineering | In vitro and in vivo antifungal properties of silver nanoparticles against Rhizoctonia solani, a common agent of rice sheath blight                     | Article | Journal of IET Nanobiotechnology                                 | 2017 | 1.463 (From journal website) | N/A |
| 59 | F. Nematniko, K. G. Chegini, H. Asghari, A. Amini, N. Gheibi  | MECH | Engineering | Modifying effects of carboxyl group on the interaction of recombinant S100A8/A9 complex with tyrosinase   | Article | Biochimica et Biophysica Acta - Proteins and Proteomics          | 2016 | 2.72                         | Q1  |
| 60 | G. Zhang, J. Wang, Z. Wu, R. Shi, W. Ouyang, A. Amini, B. N. Chandrashekar, N. Wang, C. Chen            | MECH | Engineering | Shape-Dependent Defect Structures of Monolayer MoS2 Crystals Grown by Chemical Vapor Deposition   | Article | ACS Applied Materials & Interfaces                               | 2016 | 7.36                         | Q1  |



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|----|--|------|-------------|--|------------------|--|------|------|-----|
| 61 | K. Sadri, <b>A. Amini</b> , C. Cheng   | MECH | Engineering | Low cost numerical solution for three-dimensional linear and nonlinear integral equations via three-dimensional Jacobi polynomials   | Article          | Journal of Computational and Applied Mathematics   | 2016 | 1.48 | Q1  |
| 62 | F. Emadi, <b>A. Amini</b> , A. Gholami, Y. Ghasemi   | MECH | Engineering | Functionalized Graphene Oxide with Chitosan for Protein Nanocarriers to Protect against Enzymatic Cleavage and Retain Collagenase Activity   | Article          | Scientific Reports   | 2017 | 4.31 | Q1  |
| 63 | <b>Ahmad Sedaghat</b> , Arash Hassanzadeh, Jamaloddin Jamali, Ali Mostafaeipour, Wei-Hsin Chen                         | MECH | Engineering | Determination of rated wind speed for maximum annual energy production of variable speed wind turbines   | Article          | Applied Energy   | 2017 | 7.58 | Q1  |
| 64 | Amin Ahmadzadeh, Mohammad Reza Salimpour, <b>Ahmad Sedaghat</b>  | MECH | Engineering | Thermal and exergoeconomic analysis of a novel solar driven combined power and ejector refrigeration (CPER) system   | Article          | International Journal of Refrigeration   | 2017 | 2.95 | Q1  |
| 65 | Masoud Ghasemian, Z Najafian Ashrafi, <b>Ahmad Sedaghat</b>  | MECH | Engineering | A review on computational fluid dynamic simulation techniques for Darrieus vertical axis wind turbines   | Article          | Energy Conversion and Management   | 2017 | 6.06 | Q1  |
| 66 | Ali Minaeian, <b>Ahmad Sedaghat</b> , Ali Mostafaeipour, Ali Akbar Alemrajabi  | MECH | Engineering | Exploring economy of small communities and households by investing on harnessing wind energy in the province   | Article          | Renewable and Sustainable Energy Reviews   | 2017 | 8.78 | Q1  |
| 67 | <b>Ahmad Sedaghat</b> , Rafat Al Waked, M El Haj Assad, Khalil Khanafer, and Muath Bani Salim                          | MECH | Engineering | Analysis of Accelerating Devices for Enclosure Wind Turbines   | Article          | International Journal of Astronautics and Aeronautical Engineering   | 2017 | N/A  | N/A |
| 68 | <b>Ahmad Sedaghat</b> , Mohammad AlJundub, Armin Eilaghi, Ehab Bani-Hani, Farhad Sabri, Raouf Mbarkki, M. El Haj Assad | MECH | Engineering | Application of PBL in the Course Fluid and Electrical Drive Systems, Case Study: Manufacturing an Automated Punch Machine  | Article          | Journal of Problem Based Learning in Higher Education  | 2017 | N/A  | N/A |
| 69 | <b>Ahmad Sedaghat</b> , Ammar Al Shalabi, Armin Eilaghi, M. El Haj Assad   | MECH | Engineering | Laptop Riser, a Useful PBL Project for Diploma Students in Engineering Design  | Article          | Journal of Problem Based Learning in Higher Education  | 2017 | N/A  | N/A |
| 70 | <b>Majed Alsarheed</b> , <b>Ahmad Sedaghat</b>   | MECH | Engineering | Computational Study of Ailerons in Cross Flows, Ground Effects and Biplanes Configurations   | Article          | Journal of Aeronautics & Aerospace Engineering   | 2016 | N/A  | N/A |
| 71 | <b>M. El Haj Assad</b> , M. Alsarheed, A. Sedaghat, K. Khanafer  | MECH | Engineering | PERFORMANCE EVALUATION OF MHD POWER PLANT AT OPTIMAL OPERATING CONDITIONS  | Article          | International Journal of Energy, Environment, and Economics, Volume 23 Issue 2   | 2016 | 0.04 | Q4  |
| 72 | <b>Khalil Khanafer</b> and Kambiz Vafai  | MECH | Engineering | Chapter Two-A Critical Synthesis of Graphene Thermal Properties and Its Applications   | Book Chapter     | Advances in Heat Transfer (Book)   | 2016 | N/A  | N/A |
| 73 | Dhaher Y.Y., Salehghaffari S., <b>Adouni M.</b>  | MECH | Engineering | Biomechanical sensitivity of the knee joint after ACL-reconstruction surgery   | Conference Paper | 2016 8th Cairo International Biomedical Engineering Conference, CIBEC 2016   | 2017 | N/A  | N/A |
| 74 | <b>Ghareeb N., Gaith M., Soleimani S.</b>  | MECH | Engineering | Smart structures: Modeling, analysis, and control with different strategies  | Conference Paper | Proceedings of SPIE - The International Society for Optical Engineering  | 2017 | 0.42 | N/A |
| 75 | <b>Alsarheed M.E.</b>  | MECH | Engineering | Development of an integrated melt modulation system to manipulate cold-runner injection molding processing parameters and their effects on final product physical and optical properties | Conference Paper | ASME 2017 12th International Manufacturing Science and Engineering Conference, MSEC 2017 collocated with the JSME/ASME 2017 6th International Conference on Materials and Processing | 2017 | N/A  | N/A |

|    |   |      |             |   |                  |  |      |     |     |
|----|---|------|-------------|---|------------------|--|------|-----|-----|
| 76 | Oliver, GW., Vo, T., Hussam, W.K. & Sheard, G.J.  | MECH | Engineering | Transient analysis of global dominant modes in quasi-static magnetohydrodynamic flows   | Conference Paper | In The 20th Australasian Fluid Mechanics Conference, The University of Western Australia, Perth, WA, Australia                                 | 2016 | N/A | N/A |
| 77 | Hamid, A.H.A, Hussam, W.K. & Sheard, G.J.   | MECH | Engineering | Current injection vortex promoter for heat transfer enhancement in a magnetohydrodynamic duct flow  | Conference Paper | The Fifth International Conference on Advances in Civil, Structural and Mechanical Engineering - ACSM, Bangkok, Thailand, 25-26 September 2016 | 2016 | N/A | N/A |
| 78 | Ng, Zhi Y., Vo, T., Hussam, W.K. & Sheard, G.J.   | MECH | Engineering | Linear instabilities in the wakes of cylinders with triangular cross-sections   | Conference Paper | In The 20th Australasian Fluid Mechanics Conference, The University of Western Australia, Perth, WA, Australia                                 | 2016 | N/A | N/A |
| 79 | Adel Younis, Trevor Williams<br><b>Affiliated with</b> Department of Mechanical Engineering, University of Victoria, Dan Wang, Zuomin Dong, Curran Crawford and Ned Djilali | MECH | Engineering | Optimal Operation of a Self-regulating Smart Distribution System with Wind Energy Integration and Demand Response   | Conference Paper | Energy Solutions to Combat Global Warming, Volume 33 of the series Lecture Notes in Energy pp 707-734  | 2016 | N/A | N/A |
| 80 | Adel Younis and Kerem Karakoc   | MECH | Engineering | Optimum Design Parameters of Magnethorlogical Brake Design  | Conference Paper | ICCAIRO 2017: International Conference on Control, Artificial Intelligence, Robotics and Optimization Prague, Czech Republic                   | 2017 | N/A | N/A |
| 81 | A. Eilaghi, S. Baig, J. Zhang, P. Karanicholas, S. Gallinger, F. Khalvati, M. A. Haider   | MECH | Engineering | Radiomic Features are Associated with Overall Survival in Pancreatic Ductal Adenocarcinoma  | Conference Paper | RSNA 2016, Radiology Society of North America  | 2016 | N/A | N/A |
| 82 | A. Eilaghi, D. A. McLean, M Sabati, C.R. McCreary, D.G. Gobbi, M. Salluzzi, E.E.Smith, R. Frayne,   | MECH | Engineering | Brain Magnetic Susceptibility is Increased with Cognitive Impairment in a Community Population  | Conference Paper | KNANC 2016 Kuwait North America Neurology Conference   | 2016 | N/A | N/A |
| 83 | Armin Eilaghi, Masoom A Haider, Yucheng Zhang, Anastasia Oikonomou, Laura Jimenez-Juan, Farzad Khalvati   | MECH | Engineering | Radiomics Features Provide Reliable Measurements from Manual Contouring of Tumours in Lung Cancer   | Conference Paper | ECR 2017, European Congress on Radiology Vienna, Austria   | 2017 | N/A | N/A |
| 84 | M. Bahri, M. Mirahadi, A. Amini   | MECH | Engineering | Necessaries for Organic Nanostructures  | Conference Paper | EP Press   | 2016 | N/A | N/A |
| 85 | Majed Alsarheed   | MECH | Engineering | Development of An Integrated Melt Modulation System To Manipulate Cold-Runner Injection Molding Processing Parameters And Their Effect On Final Product Physical And Optical Properties | Conference Paper | Proceedings of the 12th Manufacturing Science and Engineering Conference, (MSEC2017), Los Angeles, California, USA,                            | 2017 | N/A | N/A |
| 86 | Majed Alsarheed   | MECH | Engineering | Problem Based Learning (PBL) And Entrepreneurship   | Conference Paper | PBL Symposium Proceedings, Australian College of Kuwait  | 2016 | N/A | N/A |

| Department of Petroleum Engineering |   |      |             |   |                     |   |      |                                    |     |
|-------------------------------------|---|------|-------------|---|---------------------|---|------|------------------------------------|-----|
| 87                                  | Al-Harshesh M.,<br><b>Hussain Y.A.</b> , Al-Zoubi<br>H., Batiha M., Hammouri<br>E.                                      | PETR | Engineering | Hybrid precipitation-<br>nanofiltration treatment of<br>effluent pond water from<br>phosphoric acid industry                    | Article             | Desalination  | 2017 | 5.68                               | Q1  |
| 88                                  | <b>Alsaba M.</b> , Al Dushaishi<br>M.F., Nygaard R., Nes O.-<br>M., Saasen A.   | PETR | Engineering | Updated criterion to select<br>particle size distribution of<br>lost circulation materials for<br>an effective fracture sealing | Article             | Journal of Petroleum Science and<br>Engineering                   | 2017 | 2.31                               | Q1  |
| 89                                  | Rahimi R., <b>Alsaba M.</b> ,<br>Nygaard R.   | PETR | Engineering | Analysis of analytical fracture<br>models for wellbore<br>strengthening applications:<br>An experimental approach               | Article             | Journal of Natural Gas Science and<br>Engineering                 | 2016 | 3.01                               | Q1  |
| 90                                  | Munqith Aldhaheria,<br>Mingzhen Wei, Baojun Bai,<br><b>Mortadha Alsaba</b>  | PETR | Engineering | Development of Machine<br>Learning Methodology for<br>Polymer Gels Screening for<br>Injection Wells                             | Article             | Journal of Petroleum Science and<br>Engineering                   | 2016 | 2.31                               | Q1  |
| 91                                  | <b>Biltayib.M.</b> , <b>Mufazzal. S.</b><br><b>Kabuli</b> , Dania issa, Norah<br>Ayyadand , Daliris Ramires             | PETR | Engineering | Management of Drilling<br>Cuttings in Term of Volume<br>and Economics in Oil Field  | Article             | International Journal of Engineering<br>Research and Applications | 2016 | 5.179 (From<br>Journal<br>Website) | N/A |
| 92                                  | Khulud M. Rahuma.,<br><b>Biltayib Biltayib.</b> , Sharoh<br>Marquez.  | PETR | Engineering | Effect of Petrophysical<br>Parameters on Water<br>Saturation in Carbonate<br>Formation  | Article             | International Journal of Engineering<br>Research and Applications | 2016 | 5.179 (From<br>Journal<br>Website) | N/A |
| 93                                  | Sedaghat, A., <b>Omar, M.A.A.</b> ,<br>Damrah, S. and Gaith, M.,  | PETR | Engineering | Mathematical Modelling of<br>the Flow Rate in a Marsh<br>Funnel   | Article             | Journal of Energy Technology Research                             | 2016 | N/A                                | NIF |
| 94                                  | N. Abu Adel, F. Abdullah, H.<br>AlKanderi, E. Tesiari, <b>S.</b><br><b>Ghafoori</b> , M. A. AlKazimi,<br>W. H. AlBazzaz | PETR | Engineering | Artificial intelligence recovery<br>modeling of <5 API<br>Unconventional Next Generation<br>Heavy Oil using CHNO<br>Technology  | Conference<br>Paper | SPE Heavy Oil conference  | 2016 | N/A                                | N/A |
| 95                                  | <b>H. Passalacqua</b> and K. Strack   | PETR | Engineering | Integrated Geophysical Reservoir<br>Monitoring for Heavy Oil  | Conference<br>Paper | SPE Heavy Oil Conference  | 2016 | N/A                                | N/A |
| 96                                  | <b>M. Alsaba</b> ; M. Aldushaishi,<br>M. Jeennakorn; R. Nygaard;<br>A. Saasen, and O. Nes                               | PETR | Engineering | Sealing Pressure Prediction<br>Model for Lost Circulation<br>Treatments Based on<br>Experimental Investigations                 | Conference<br>Paper | AADE National Technical Conference<br>and Exhibition              | 2017 | N/A                                | N/A |

## School of Business

|                                 | Authors  | Dep | School   | Title  | Category         | Name of Journal/ Conference   | Date | SCOPUS IF                      | Quartile |
|---------------------------------|--|-----|----------|--|------------------|---|------|--------------------------------|----------|
| <b>Department of Management</b> |  |     |          |  |                  |   |      |                                |          |
| 97                              | Mohamad Atyeh and Faidon Theofanidis           | MNG | Business | "Exploring the Relationship between Economic Sectors and the Kuwaiti Stock Exchange"   | Article          | International Journal of Commerce and Management Research   | 2017 | 5.22 (from journal's website)  | N/A      |
| 98                              | Yousif El Ghalayini                            | MNG | Business | "Complexity Theory: a New Way to Look at New Public Management"  | Article          | Journal of Network and Complex Systems  | 2017 | 5.54 (from journal's website)  | N/A      |
| 99                              | Yousif El Ghalayini                            | MNG | Business | "An Empirical Study Of Human Resource Management Practices And Organizational Performance In Intergovernmental Organization" | Article          | Journal of Business Studies Quarterly   | 2017 | 1.326 (from journal's website) | N/A      |
| 100                             | Yousif El Ghalayini                            | MNG | Business | "HRM and organizational performance: Evidence from the public service organization".   | Article          | European Journal of Business and Management   | 2016 | 7.17 (from journal's website)  | N/A      |
| 101                             | Yousif El Ghalayini                            | MNG | Business | "New Public Management: An Assessment of Impact and the Influence on Public Administration."                                 | Article          | Journal of Public Policy and Administration Research  | 2016 | 5.54 (from journal's website)  | N/A      |
| 102                             | Mohamad Atyeh, M, Alrashed, and Steven Telford | MNG | Business | "Measuring the Effects of the Privatization of the Kuwait Stock Exchange on its Performance"                                 | Conference Paper | The International Conference on Social Science, Literature, Economics and Education; Canada - Approved to be published in the "Canadian International Journal of Social Science and Education" in June's Issue. Journal ISSN: 2356-847X | 2017 | N/A                            | N/A      |
| 103                             | Richard Rutter                                 | MNG | Business | "Islamic Hotels: This isn't what I Expected"   | Conference Paper | The 12th Global Brand Conference, Sweden  | 2017 | N/A                            | N/A      |
| 104                             | Ahmad Khatib And Steven Telford                | MNG | Business | "A Comparative Analysis of Selected Sectors of the Kuwait Economy"   | Conference Paper | 10th International Conference of Business Management and Legal Studies (ICBMLS); Lisbon, Portugal   | 2017 | N/A                            | N/A      |
| 105                             | Summaya Banna, Andri Ottesen                   | MNG | Business | "Time to Rethink Health Care and ICT Innovations: Case of Kuwait"  | Conference Paper | ICT and Societal Challenges -- LAU, Lebanon   | 2017 | N/A                            | N/A      |

|                                | Authors                    | Dep | School   | Title  | Category         | Name of Journal/ Conference   | Date | SCOPUS IF | Quartile |
|--------------------------------|----------------------------|-----|----------|--|------------------|---|------|-----------|----------|
| <b>Department of Marketing</b> |                            |     |          |  |                  |   |      |           |          |
| 106                            | Ahmad Khaldi               | MRK | Business | "Clearing the Conceptual and Measurement Confusion Between Enduring Product Involvement and Product Importance: A Critical Review and Empirical Evidence." | Conference Paper | Academy for Global Business Advancement 13th Annual World Congress; Indonesia   | 2016 | N/A       | N/A      |
| 107                            | Arthur King and Sam Toglaw | MRK | Business | "Utilising Online Reviews to Understand Customer Needs, Satisfaction and Dissatisfaction in the Hotel Sector in Windhoek, Namibia"                         | Conference Paper | Joint Conference: The AGBA 13th Annual World Congress: Business and Entrepreneurship Development in a Globalized Era & the 1st Sebelas Maret Conference on Entrepreneurship, Innovation and Community Development: Research Innovation and Community Development, Indonesia | 2016 | N/A       | N/A      |
| 108                            | Rola Mourdaa               | MRK | Business | "Multiple Regression Analysis of Diversification Effect on GDP per Capita: The Case of UAE & Saudi Arabia"   | Conference Paper | 11th International Conference on Business Strategy and Social Sciences, Turkey  | 2017 | N/A       | N/A      |
| 109                            | Sam Toglaw                 | MRK | Business | "Social Innovation in the Tourism Industry The case of creating hybrid pocket guides for International Islamic tourist attractions,"                       | Conference Paper | AFU 1st International Business Conference, Dubai, UAE.  | 2017 | N/A       | N/A      |