

Research outcomes: College of Engineering and Architecture

Academic Year 2019 – 2020

| College/University Units | | College of Engineering | | | | |
|--------------------------------------|---------------|------------------------|-------|-------|------|-----------|
| Department/School | | DCEE | DCE | DECE | AID | CEA Total |
| Journal papers Published | | 13 | 15 | 4 | 2 | 34 |
| No. of faculty | | 8 | 7 | 6 | 8 | 29 |
| J. paper/faculty | | 1.625 | 2.142 | 0.666 | 0.25 | 1.172 |
| Journal papers Accepted | | 1 | 1 | 2 | | 4 |
| Books/Book Chapters | | | 1 | | | 1 |
| Conference Papers | International | 3 | | 1 | 5 | 9 |
| | National | 2 | 4 | 2 | 20 | 28 |
| Conference Attendance | International | 3 | 2 | 1 | 8 | 14 |
| | National | 9 | 10 | 9 | 9 | 37 |
| Seminars (organized) | | 1 | 4 | 1 | 5 | 11 |
| Workshop (organized) | | 3 | 4 | 4 | 2 | 13 |
| Bachelor Graduation Projects | | 6 | 9 | 3 | 18 | 36 |
| Awards | | 2 | 1 | | | 3 |
| International Research Collaboration | | -- | | - | - | - |
| Approved URG (FURAP) | | - | - | - | - | - |
| Approved ORG (TRC project) | | 2 | 1 | - | - | 3 |

List of Journal Papers Academic Year 2019 – 2020

| College of Engineering and Architecture | | | | | |
|---|---|--|-----------------------------------|--|-------------------------------------|
| # | Article Details | Journal Details | Journal Quality | Affiliation | Department |
| 1 | Development of a highway driving events identification and classification using smartphone Munaf Salim Najim Al-Din , and Atef Saleh Al-Mashakbeh | International Journal of Nanoparticles Volume 12, Issue 1-2, Pages 152-173 Inderscience Publishers | Scopus Q4 SJR 0.14 | University of Nizwa and Tafila Technical University | Electrical and Computer Engineering |
| 2 | Asset Management In Power Network Towards Optimization Performance Using Integrated, Intelligent And Automated (IIA) Scheme Mohamed Yousuf and Ramzi Ahmed | International journal of scientific & technology research /volume 8, issue 11, november 2019/ issn 2277-8616 | Scopus Journal Q4 SJR:0.4 | University of Nizwa | Electrical and Computer Engineering |
| 3 | Implementation of Smart Energy Meter Using Arduino – GSM Technology Mohamed Yousuf | Journal of Information and Computational Science/Volume 9 Issue 11 - 2019/ ISSN: 1548-7741 | - | University of Nizwa | Electrical and Computer Engineering |
| 4. | A New Method to Enhance LRU Page Replacement Algorithm Performance Ali A. Titinchi and Nasser Halasa | International journal of scientific & technology research volume 9, issue 02, february 2020/ issn 2277-8616 | Scopus Journal Q4 SJR: 0.4 | University of Nizwa And Philadelphia University/Jordan | Electrical and Computer Engineering |

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| 5 | A hybrid membrane-absorption process for Carbon Dioxide Capture: Effect of Different Alkanolamine on Energy Consumption, Qazi Nasir | Iranian Journal of Chemistry and Chemical Engineering, 2019, Article in press | SJR = 0.19, H-Index = 19, Scopus Indexed | University of Nizwa | Chemical and Petrochemical Engineering |
| 6 | Effect of reaction conditions on the activity of novel carbon nanofibers based Cu/zro ₂ catalysts for CO ₂ hydrogenation to methanol, Israf Ud Din, Maizatul S. Shaharun, A. Naeem, Mshari A. Alotaibi, Abdulrahman I. Alharthi and Qazi Nasir | Comptes rendus chimie Vol 23, Issue 1, P: 57-61, 2020 | SJR = 0.56, Q2, Scopus Indexed Elsevier Masson | University of Nizwa | Chemical and Petrochemical Engineering |
| 7 | A review on the role and impact of various additives as promoters/ inhibitors for gas hydrate formation, Qazi Nasir , Humbul Suleman, Yasir A. Elsheikh | Journal of Natural Gas Science and Engineering Volume 76, 2020, 103211 | H-Index=43SJR = 1.36, Q1, IF:3.859, Scopus Indexed ELSEVIER | University of Nizwa | Chemical and Petrochemical Engineering |
| 8 | Carbon nanofibers as potential materials for catalysts support, a mini-review on recent advances and future perspective, Israf Ud Din, Maizatul S. Shaharun, A. Naeem, Mshari A. Alotaibi, Abdulrahman I. Alharthi, M. Afroz Bakht, Qazi Nasir , | Ceramics International Vol 46, Issue 11, P 18446-18452, 2020 | H-Index = 89, SJR = 0.89, Q1, IF:3.45, Scopus Indexed ELSEVIER | University of Nizwa | Chemical and Petrochemical Engineering |

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| 9 | Effect of pyrazolium ionic liquid halide content on in-situ transesterification, Elsheikh Yasir ; Fawzi Elfagih, Qazi Nasir | Journal of Process Safety and Environmental Protection, Vol 140, P 273-282, 2020 | IF = 4.384, Scopus Indexed, Q1 Elsevier | University of Nizwa | Chemical and Petrochemical Engineering |
| 10 | Additives Aid Switch to Protect the Photodegradation of Plastics in Outdoor Construction Salam A. Mohammed , Rahimi M. Yusop, Mohammed Abdulsattar, Rasheed Abed, Dina S. Ahmed, Ahmed Abdulrazaq Ahmed, Ahmed Abdulelah Ahmed | Al-Nahrain Journal for Engineering Sciences, Vol:22, Iss:4, pp:277-282, 2019-11-17 | 2.114 | University of Nizwa, Al Nahrain University | Chemical and Petrochemical Engineering |
| 11 | Green synthesis of silver nanoparticles by plants extract Dina S. Ahmed, Teeba Hashim Mohammed, Mohsen Hashim Risan, Liqaa H. Najim, Salam A. Mohammed , Rahimi M. Yusop, Emad Yousif | International journal of chemical and process engineering research | IF=0.89 CAS | University of Nizwa, Al Nahrain University | Chemical and Petrochemical Engineering |
| 12 | Inhibition of Corrosion: Mechanisms and Classifications an Overview Ahmed A. Ahmed, Mohammed H. Al-mashhadani, Zainab Hussain, Salam A. Mohammed , Rahimi M. Yusop, Emad Yousif | Al-Qadisiyah Journal Of Pure Science (QJPS) Vol:25, Iss:2, pp:1-9, 2020-04-05 | NA | University of Nizwa, Al Nahrain University | Chemical and Petrochemical Engineering |
| 13 | Assessment of Nanocalcite Synthesis Routs on Green Biodiesel | Bioiterface Research in Applied Chemistry | IF=0.89 Scopus | University of Nizwa | Chemical and Petrochemical Engineering |

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|----|---|--|---|---|---|
| | <p>Production: Comparative Study</p> <p>Salam A. Mohammed, Hazim F Abbas, Hajer Alshihi, Fazal Mabood, Emad Yousif, Ali Abd Ali, Zainab Hussain, Khamis Al Riami</p> | <p>Vol:10, Iss:5, pp:6139-6147, 2020-05-01</p> | | | |
| 14 | <p>A Review on COVID-19: Origin, Spread, Symptoms, Treatment, and Prevention</p> <p>Angham G. Hadi, Mohammed Kadhom, Nany Hairunisa, Emad Yousif, Salam A. Mohammed</p> | <p>Biointerface Research in Applied Chemistry</p> <p>Vol:10, Iss:6, pp:7234-7242, 2020-06-09</p> | <p>IF=0.89 Scopus</p> | <p>University of Nizwa, Al Nahrain University</p> | <p>Chemical and Petrochemical Engineering</p> |
| 15 | <p>Cost-effective treatment of sludge conditioning using supernatant fluid polyelectrolyt</p> <p>Salam Al-Dawery, Anwar Ahmed, Sajjala S. Reddy, Omaira Al-Hadhrani, Kareema Al-Lamki,</p> | <p>Environ Sci Pollut Res 27, 10790–10801</p> | <p>Scopus, IF:2.914, H-Index:82 Q1 Springer</p> | <p>University of Nizwa</p> | <p>Chemical and Petrochemical Engineering</p> |
| 16 | <p>Methane decomposition with a minimal catalyst: An optimization study with response surface Methodology over ni/sio2 nanocatalyst</p> <p>U.p.m. ashik , hazzim f. Abbas , faisal abnisa , shinji kudoa, Jun-ichiro hayashi , w.m.a. wan daud</p> | <p>International journal of hydrogen energy, 45, 143 83-14395 (2 0 2 0)</p> | <p>Scopus, IF = 4.1 Q1 Elsevier</p> | <p>University of Nizwa</p> | <p>Chemical and Petrochemical Engineering</p> |

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|----|---|---|--|---------------------|--|
| 17 | Probe sonication assisted ionic liquid treatment for rapid dissolution of lignocellulosic biomass. Asyraf Hanim Ab Rahim, Zakaria Man, Normawati Mohamad, Yasir A. Elsheikh. | Cellulose Volume 27, pages 2135–2148 (2019) | H-Index = 98, SJR = 0.92, Q1, IF= 3.917, Scopus Springer | University of Nizwa | Chemical and Petrochemical Engineering |
| 18 | Treatment of garage wastewater using activated carbon made from khat (catha edulis) and neem (azadirachta indica) leaves Suneeta kumari & sri hari kumar annamareddy, | Environment, development and sustainability, vol 22, pp 2967–2978 (2020) | Scopus Springer | University of Nizwa | Chemical and Petrochemical Engineering |
| 19 | Application of flying jet plasma torch for synthesis of iron based nano structures Wameath S. Abdul-Majeed, Mohammed A. Al Saadi, Muna M. Alsubhi, Aida K. Alabri, Khamis O. Al-Riyami, Sausan Al Yaqoobi. | Letters in Applied nanobioscience, 2020, 9 (3), 1188-1198. | Scilit AMG Transcend Association - Romania | University of Nizwa | Chemical and Petrochemical Engineering |
| 20 | Decolorization of sudan IV dye Solution by solar photo Fenton and TiO ₂ mediated solar photo Fenton Processes: a comparative study” V.Sairam and Sreedhar reddy Sajjala | International Journal of Advanced Research in Engineering and Technology (IJARET) Volume 11, Issue 7, July 2020, pp. 149-160. | Scopus | University of Nizwa | Civil and Environmental Engineering |
| 21 | Significance of Attitudes, Passion, and Cultural Factors in Driver’s Speeding behavior in Oman: Application of Theory of Planned Behavior. Javid, M.A., and Al-Hashimi, A.R | International Journal of Injury Control and Safety Promotion, 27 (2):172-180. (2020) | IF: 0.875 | University of Nizwa | Civil and Environmental Engineering |

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|----|---|--|---|---------------------|-------------------------------------|
| 22 | Public Perceptions on Prospects of Qingqi Paratransit Public Transport Service in Lahore. Javid, M.A. , Hussain, S. and Anwar, M.F. | Iranian Journal of Science and Technology: Transactions of Civil Engineering, 44(1):185-195. (2020) | IF = 0.8 | University of Nizwa | Civil and Environmental Engineering |
| 23 | Identification of Delay Factor in Oman Construction Industry. Qadir Bux alias Imran Latif , Aysha Mehfoodh Dhiyab Al Saadi, Ismail Abdul Rahman | International journal of sustainable construction engineering and technology (ijscet) vol. 10 no. 1 (2019) 34-45 | SCOPUS ISI | University of Nizwa | Civil and Environmental Engineering |
| 24 | Oman Construction Industry Prospective on Cause of Construction Material Waste Qadir Bux Alias Imran Latif , Thuraya Bal Arab Al Batashi, Kamran Latif Qureshi | International journal of integrated engineering (ijie) vol. 12 no. 1 (2020) 243-252 | SCOPUS ISI Thomson Reuters (Clarivate Analytic) | University of Nizwa | Civil and Environmental Engineering |
| 25 | The Effectiveness of Thermal Insulated Concrete Blocks in Oman Almaawali S. and Ahmad A | Current Trends in Civil & Structural Engineering ISSN: 2643-6876 DOI: 10.33552/CTCSE.2020.04.000600 | | University of Nizwa | Civil and Environmental Engineering |
| 26 | Numerical simulation study on load deflection and strain curve of uhpfr beams under static load Qadir Bux alias Imran Latif , Anas Ammar Al-Kabasi, Ali Saif Al-Ward, Nasrellah Hassan Ahmed | International Journal of Advance Science and Technology Vol. 29 No. 10S, (2020), pp. 1360 - 1371 | SCOPUS | University of Nizwa | Civil and Environmental Engineering |

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|----|---|--|---|---------------------|-------------------------------------|
| 27 | Disinfection of total coliform bacteria in Falaj water by solar water disinfection (SODIS) Sreedhar R. Sajjala, Salam K.Al Dawery, Anwar Ahmed, Munira Ali Nasser Al Jabri1 | Caspian journal of environmental Sciences, Topic:Engineering and Technology, Vol:17, Iss:4, pp:285-293, 2019-12-01 | Scopus | University of Nizwa | Civil and Environmental Engineering |
| 28 | Anaerobic degradation of palm oil mill effluent with aluminum bauxite residue for methane production Anwar Ahmed, Salam Kadhim, Sajjala Sreedhar Reddy | Energy and Environment, Topic: Natural sciences, Vol:-, Iss:-, pp:1-16, 2020-05-07, SAGE, UK | Scopus, Impact Factor:1.09 2, H-Index:- | University of Nizwa | Civil and Environmental Engineering |
| 29 | Study on Grey water treatment using cement kiln dust and chemical coagulants. Anwar Ahmad, Sultan Ghadeer, Talal A-Hosini, | Journal of Applied Water Engineering and Research. DOI 10.1080/23249676.2020.1761900 | ISI) I. Factor-0.98 H-Index Taylors Francis | University of Nizwa | Civil and Environmental Engineering |
| 30 | Bioavailability of zinc oxide nano particle with fly ash soil for the remediation of metals by <i>Parthenium hysterophorus</i> . J. Anwar Ahmad, R. Ghufraan, Talal A-Hosini,. | Environmental Health Science and Engineering. DOI: 10.1007/s40201-019-00434-2. | (ISI) I. Factor-3.69 Springer | University of Nizwa | Civil and Environmental Engineering |
| 31 | Process evaluation of petroleum wastewater treatment with zinc oxide nano particle for the production of methane gas. Anwar Ahmad | Applied Biochemistry and Biotechnology. Springer DOI: 10.1007/s12010-019-03137-4 | (ISI) I. Factor-3.99. H-Index | University of Nizwa | Civil and Environmental Engineering |

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|----|---|---|--|---------------------|-------------------------------------|
| 32 | Effect of cement and lime on the index properties of Nizwa clayey soil Subhi Aziz Ali | International Journal of Innovations in Engineering and Technology, Vol:14, Iss:3, pp:8, 2019-10-31, SN PUBLISHERS, India | I.F = 0.672 H-Index= 15 | University of Nizwa | Civil and Environmental Engineering |
| 33 | Optimization of the shading efficiency in the urban spaces in hot arid climate regions Khudhayer, W. A., Shaaban, A. K. and Abdul Sukor, N. S. | International Journal of Architectural Research, 13(2), pp. 444–458. doi: 10.1108/ARCH-12-2018-0038. 2019 | ISI, SCOPUS | University of Nizwa | Architecture and Interior Design |
| 34 | Effects of horizontal dilation of urban space on shading efficiency in the Muscat region, Proceedings of the Institution of Civil Engineers Khudhayer, W. A., Shaaban, A. K. and Abdul Sukor, N. S. | Urban Design and Planning, 172(3), pp. 90–101. doi: 10.1680/jurdp.18.00041. Urban Design and Planning (2019) | SCOPUS | University of Nizwa | Architecture and Interior Design |
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List of Accepted Journal Papers Academic Year 2019 – 2020

| College of Engineering and Architecture | | | | | |
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| # | Article Details | Journal Details | Journal Quality | Affiliation | Department |
| 1 | Bimetallic Mo–Fe Co-Catalyst-Based Nano-Carbon Impregnated on PAC for Optimum Super-Hydrophobicity Bashir O Betar , Mohammed A Alsaadi , Zaira Z. Chowdhury , Mohamed K Aroua, Farouq S. Mjall, Kaharudin Dimyati, MHD N Hindia, Fawzi M. Alfghi, Yehya M. Ahmed and Hazim F Abbas | Symmetry | SCOPUS, IF 2.1 Q2 | University of Nizwa | Chemical and Petrochemical Engineering |
| 2 | Real-Time Detection and Evaluation of Driving Events using Smartphone Munaf Salim Najim Al-Din | Advances in Science, Technology and Engineering Systems Journal | SCOPUS Q3 SJR 0.12 | University of Nizwa | Electrical and Computer Engineering |
| 3 | Index Modulation Based Decision Gathering Schemes for Wireless Sensor Networks Abdullah Alhasanat | Transactions on Emerging Telecommunications Technologies | SCOPUS Q2 | University of Nizwa, Nizwa,. | Electrical and Computer Engineering |
| 4 | Performance of Self Compacting Concrete Replaced with Saturated Recycled Aggregate Vivek K. Viswanath, Vilas Sankar K. P. , Abhilasha P. S., M.Alost | International Journal of Engineering and Advanced Technology | SCOPUS Q4 | University of Nizwa, Nizwa,. | Civil and Environmental Engineering |

Published Books and Book Chapter in Year: 2019 – 2020

College of Engineering and Architecture

| # | Book/Chapter Title | Faculty Name | Book/Chapter Details | Affiliation | Department |
|---|--|-------------------|---|--------------------------------|--|
| 1 | Current advances in materials applications | Salam A. Mohammed | Removal of Organic Contaminants from Textile Wastewater by Adsorption on Natural Biosorbent | UoN and Alnahrai n Universit y | Chemical and Petrochemical Engineering |

International Conference Papers in Year: 2019 – 2020

| College of Engineering and Architecture | | | |
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| # | Article Details | Department | Conference Details |
| 1 | <p>Evaluation of thermal insulated concrete blocks in Oman.</p> <p>Almaawali S, Alsaaedi D., Alqarni, M., Aljahwari M., Alrawahi A</p> | Civil and Environmental Engineering | <p>International Conference on Civil and Architectural Engineering (ICCAE)</p> <p>Jeju Island, South Korea</p> <p>19th - 20th April, 2020</p> |
| 2 | <p>An Integrated RSS Approach for an Improved Location Estimation in Wireless Sensor Networks</p> <p>Abdullah Alhasanat</p> | Electrical and Computer Engineering | <p>International Conference on Engineering and Technology, Manchester, UK, November, 2019, pp 49-54.</p> |
| 3 | <p>Towards Muscat Governorate Development: A Prospective Urban Approach to Re-Design Old Al-Seeb Area</p> <p>Al-Kazee, Mohamed Faisal¹; Al-Sobhi, Roba²; Al-Maamari, Saja³; Al-Nairi, Siham⁴</p> | Architecture and Interior Design | <p>ARUP 2019, Architecture & Urbanism... A Smart Outlook</p> <p>Faculty of Engineering, Ain Shams University, 14-16 October 2019, Cairo, Egypt</p> |
| 4 | <p>Religiosity versus Secularism in Hagia Sophia</p> <p>Mrs. Sofia, Mr.Ravie</p> | Architecture and Interior Design | <p>International Conference on Civil, Architectural and Environmental Sciences - (ICAES-20) by Institute for Scientific Engineering and Research (ISER)</p> <p>2nd August 2020, Mumbai, India</p> |
| 5 | <p>Post-pandemic Architecture and Urbanism</p> <p>Mrs. Sofia, Mr.Ravie</p> | Architecture and Interior Design | <p>International Conference on Engineering & Technology-(ICET-20) by Society for Education (SFE)</p> <p>9th August 2020, Chennai, India</p> |
| 6 | <p>Sustainable Urban design strategies towards sustainable urban future“A case of growing multiple city centers from a single traditional</p> | Architecture and Interior Design | <p>2nd International conference on Future smart cities (FSC) organized by Xiamen University, Malaysia, 5th to 7th November 2019,</p> |

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| | center within mud fort of ancient Bangalore” Mrs. Nasreen Dumi | | |
| 7 | Soil-structure interaction analysis of multi-story building Aeid. A. Abdulrazeg1, Nasrellah H. A. , Mohamed Mohamed, Fatma Al Farsi | Civil and Environmental Engineering | 2nd Conference for Engineering Sciences and Technology - CEST2 29-31 October 2019 - Sabratha –Libya |
| 8 | Numerical Study of Reinforced Concrete Beam Using Abaqus Software. Shama Al Hasani, Nasrellah H A , Aeid A. Abdulraeg, Q. B. A. Imran Latif | Civil and Environmental Engineering | 27th World Conference on Applied Science, Engineering and Technology (27th WCASET)” 18th -19th March 2020, Dubai , UAE |
| 9 | Treatment of Falaj water using sand filter integrated with Phyto disinfectant” Ibtisam Sulaiman Al Busaidi, Bashair Nasser Said Al Badri, Sreedhar Reddy and Rama Mohan Rao | Civil and Environmental Engineering | Virtual International Conference on Natural disasters and their Early Warning Systems (NEWS) 2020 8 - 9 July, 2020 VIT University, India |

National Conference Papers in Year: 2019 – 2020

| College of Engineering and Architecture | | | | |
|---|--|--|---|------|
| # | Article Details | Department | Conference Details | Fund |
| 1. | Soil-structure interaction analysis of multi-story building Aeid. A. Abdulrazeg1, Nasrellah H. A. , Mohamed Mohamed, Fatma Al Farsi | Civil and Environmental Engineering | 2nd Conference for Engineering Sciences and Technology - CEST2 29-31 October 2019 - Sabratha –Libya | UoN |
| 1 | An Omani environment with three dimensional colors, Dr. Luai | Architecture and Interior Design | February 12, 2019, IDF FORUM 2019, organized by: Scientific College of Design ,Muscat ,Oman | UoN |
| 2. | Omani Hara, The Legacy of Ancestors, A proposed methodology to merge the archaeological buildings in the tourism system in Sultanate of Oman. Dr Mamdouh I. Zaky | Architecture and Interior Design | Design Muscat 2019 organized by: Scientific College of Design ,Muscat ,Oman | UoN |
| 3 | Widad Al Rawahi and Anwar Ahmed TREATMENT OF PETROCHEMICAL WASTEWATER USING CONSTRUCTED WETLANDS | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Department of Civil & Environmental Engineering | UoN |
| 4 | Subhi Ali and Alhusain Al Hoqani Improvement of strength and compaction characteristics of Nizwa cohesive soil using date seeds | 10th National Symposium on Engineering Final year Project, College of Engineering, University | Department of Civil & Environmental Engineering | UoN |

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| | | of Nizwa, 15 December, 2020, Nizwa, Oman | | |
| 5 | Salam Al-Dawery , Muna Al Sabari and Safa Al Fazari PREPERATION OF SLUDGE BASED ACTIVATED CARBON AS METALS ADSORBENT | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Chemical and Petrochemical Engineering | UoN |
| 6 | Salam Al-Dawery , Atheer Al-Rashdi. and Iman Al-Nabhani Effect of types of electrodes on electricity generation from Microbial Fuel Cell (MFC) | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Chemical and Petrochemical Engineering | UoN |
| 7 | Hazim Abbas , Fatma Al-Farisi, Safa Al-Yahyaey, Salam M.Abdulkadim and Wafa Said PYROLYSIS OF THE PLASTIC BY USING TGA | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Chemical and Petrochemical Engineering | UoN |
| 8 | Sri Hari Kumar Annamareddy DESALINATION USING SOLAR POND INTEGRATED SOLAR STILL | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Chemical and Petrochemical Engineering | UoN |
| 9 | Ruqiya Alhiji and Mohamed Yousuf Application of Arduino & GSM Technology in Smart Energy Meter | 10th National Symposium on Engineering Final year Project, College of Engineering, University | Electrical and Computer Engineering | UoN |

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| | | of Nizwa, 15 December, 2020, Nizwa, Oman | | |
| 10 | Ali Titinchi, Huda Al Busaidi, Huria Al Sulaimani and Jawaher Al SiyabiMulti-Sensor Fire Detection with GSM Alarm System | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Electrical and Computer Engineering | UoN |
| 11 | Kauthar Mohammed Al-Shukairi and Mohamed Faisal Al Kazee | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 12 | Ruqia Al-Azri and Mohamed Faisal Al Kazee | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 13 | Maryam Satii Mustafa Al Shareedah and Mohamed Faisal Al Kazee | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 14 | Zakiya Salim Al-Riyami and Mohamed Faisal Al Kazee | 10th National Symposium on Engineering Final year Project, College of Engineering, University | Architecture & Interior Design | UoN |

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| | | of Nizwa, 15 December, 2020, Nizwa, Oman | | |
| 15 | Omyma Khamis Al-Sulimi and Mohamed Faisal Al Kazee | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 16 | Roba Nasser Al-Sobhi and Samir Al Qeisi | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 17 | Noof Khamis Al-Naabi and Samir Al Qeisi | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 18 | Sofia Sebastian and Afrah Mohammed Al Rudaini | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 19 | Hudayfa Ali Luai Ali Al Jubori, Ravishankar Kr and Dr. Luai Ali Al Jubori | 10th National Symposium on Engineering Final year Project, College of Engineering, University | Architecture & Interior Design | UoN |

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| | | of Nizwa, 15 December, 2020, Nizwa, Oman | | |
| 20 | Salma Suliman Al-Hamali and Dr.Luai Ali Al Jubori | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 21 | Balqees Mohammed Al-Darmake and Dr.Luai Ali Al Jubori | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 22 | Jinan Mohammed Al-Rawahi. and Dr.Luai Ali Al Jubori | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 23 | Abdulla Bassam Al Fakeeh and Wael Awa'ad Khudhayer | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 24 | Walaah Said Alhoqani and Wael Awa'ad Khudhayer | 10th National Symposium on Engineering Final year Project, College of Engineering, University | Architecture & Interior Design | UoN |

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| | | of Nizwa, 15 December, 2020, Nizwa, Oman | | |
| 25 | Hajer Nasser Al Salmi and Mr. Samir Al Qeisi | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 26 | Yaseen Mohammed Habash Al Azzawi and Dr.Luai Ali Al Jubori | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 27 | Abdulrahman Samir Alqeisi and Dr.Luai Ali Al Jubori | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
| 28 | Kauthar Mohammed Al-Shukairi and Mohamed Faisal Al Kazee | 10th National Symposium on Engineering Final year Project, College of Engineering, University of Nizwa, 15 December, 2020, Nizwa, Oman | Architecture & Interior Design | UoN |
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Conference Attendance

International Conferences in Year: 2019 – 2020

| College of Engineering and Architecture | | | | |
|---|--------------------------------|--|---|------------------------------|
| # | Faculty Name | Depart. | Conference Details | Fund |
| 1 | Salam A. Mohammed | Chemical and Petrochemical Engineering | Practical Education and Internalization in Higher Education: Sharing perspective and Experiences 6-7 Oct 2019 Muscat | |
| 2 | Salam A. Mohammed | Chemical and Petrochemical Engineering | 4th Industrial Revolution Towards Sustainable and Resilient Cities Through AI and IOT 18 June 2020 Dubai | |
| 3 | Dr Qadir Bux alias Imran Latif | Civil and Environmental Engineering | 4th ASIA International Multidisciplinary Conference 2020,(4th AIMC 2020), UTM, Malaysia, 18th and 19th April 2020. (Online) | Self |
| 4 | Dr. Nasrellah Hassan Ahmed | Civil and Environmental Engineering | Concrete Institute Conference, Dubai World Trade Centre, Big5 , Dubai, 25-28.11.2019. | UoN |
| 5 | Dr.Sreedhar Reddy Sajjala | Civil and Environmental Engineering | 6th Science and Technology Exchange Program", 2019-11-09 to 2019-11-12, Mustafa Science and Technology Foundation, Tehran, Iran, https://step.mstfdn.org/ , Sponsor: Mustafa Science and Technology Foundation | Mustafa Foundation Tehran |

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| 6 | Dr. Abdullah Alhasanat | Electrical and Computer Engineering | International Conference on Engineering and Technology, Manchester, UK, November, 2019 | 400 OMR (Nizwa University) |
| 7 | Dr. Luai | Architecture and Interior Design | IDF FORUM 2019, organized by: Scientific College of Design, Muscat ,Oman 9 November 2019 | Nil |
| 8 | Ms. Nasreen Kauser | Architecture and Interior Design | 2 nd International conference on Future smart cities (FSC) organized by Xiamen University, Malaysia, 5 th to 7 th November 2019, <u>Presented paper Titled</u> Sustainable Urban design strategies towards sustainable urban future “A case of growing multiple city centers from a single traditional center within mud fort of ancient Bangalore” | Air tickets to & fro by UoN |
| 9 | Ms. Nasreen Kauser | Architecture and Interior Design | 2 nd International conference SURF-2020 The carbon neutral conference from August 6 to 8 th 2020 and Knowledge sessions from Aug 10 th to 12 th 2020. Presented a Poster titled: The 3 C's Climate-Context-Culture.. Transition of Oasis settlements of Oman from traditional to contemporary era. | Nil |
| 10 | Mrs.Sofia | Architecture and Interior Design | International Conference on Civil, Architectural and Environmental Sciences - (ICAES-20) by Institute for Scientific Engineering and Research (ISER) 2 nd August 2020, Mumbai, India | Nil |
| 11 | Mrs.Sofia | Architecture and Interior Design | International Conference on Engineering & Technology-(ICET-20) by Society for Education (SFE) 9 th August 2020, Chennai, India | Nil |

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| 12 | Mr.Ravie | Architecture and Interior Design | International Conference on Civil, Architectural and Environmental Sciences - (ICAES-20) by Institute for Scientific Engineering and Research (ISER) 2 nd August 2020, Mumbai, India | Nil |
| 13 | Mr.Ravie | Architecture and Interior Design | International Conference on Engineering & Technology-(ICET-20) by Society for Education (SFE) 9 th August 2020, Chennai, India | Nil |
| 14 | Wael A. Khudhayer | Architecture and Interior Design | The Green Workplace Summit, 11 December 2019, at the Crowne Plaza Hotel, Muscat | Nil |

Conference Attendance
National Conferences in Year: 2019 – 2020

| College of Engineering and Architecture | | | | |
|---|-----------------|--|---|-------------------------|
| # | Faculty Name | Depart | Conference Details | Fund |
| 1 | Salam Al-Dawery | Chemical and Petrochemical Engineering | "Oman energy transition: Turning climate change challenges into opportunities 2019-11-25 to 2019-11-25, Gulf-intelligence, Muscat, Oman, http://www.thegulfintelligence.com/en/gallery/the-gulf-intelligence-oman-energy-forum-25112019 , Sponsor: | Ministry of Oil and gas |
| 2 | Mamdouh I. Zaky | Architecture and Interior Design | Design Muscat 2019 18 April 2019 organized by: Scientific College of Design, Muscat , Oman | Nil |

Seminars delivered in Year: 2019 – 2020

College of Engineering and Architecture

| # | Title of the seminar | Presenter | Dept./section | Date |
|---|--|------------------------------------|--|---------------------------|
| 1 | CFD: A platform for mimicking engineering challenges | Wameath Abdul-Majeed | Chemical and Petrochemical Engineering | 3 rd Oct. 2019 |
| 2 | Green ILs, the new prospects for the future | Yasir Elsheikh | Chemical and Petrochemical Engineering | 20th Feb. 2020 |
| 3 | Basic guidelines of scientific research and publishing | Salam Al-Dawery | Chemical and Petrochemical Engineering | 5th Dec 2019 |
| 4 | Numerical simulation study on uhpfr under static load | Qadir Bux alias Imran Latif | Civil and Environmental Engineering | 12th March 2020 |
| 5 | Intelligent and Autonomous Cars | Dr. Munaf Salim | Electrical and Computer Engineering | 19/12/2019 |
| 6 | Generative Urban Design (seminar delivered at the university of Baghdad) | Samir Al Qeisi | Architecture and Interior Design | 18/02/2020 |
| 7 | Architecture is Mirror of Art | Dr.Luai | Architecture and Interior Design | 11/11/2019 |
| 8 | The use of Building Information Modeling (BIM) software in construction: Navisworks | Mr. Moad Mohammed Abdalsalam Alost | Civil and Environmental Engineering | 13-02-2020 |
| 9 | Solar Water Heating Systems - An approach to reduce the Electricity consumption in tourism projects. scientific collage of design | Dr. Mamdouh I. Zaky | Architecture and Interior Design | 18-4-2019 |

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| 10 | <p>Sustainable Urban design strategies towards sustainable urban future</p> <p>“A case of growing multiple city centers from a single traditional center within mud fort of ancient Bangalore”</p> | Ms. Nasreen Kauser | Architecture and Interior Design | 06/02/2020 |
| 11 | Traditional settlements at birkat-al-mouz oman - Heritage study and documentation | Mr. Ravishankar | Architecture and Interior Design | 30 Jan 2020 |

Workshops delivered in Year: 2019 – 2020

College of Engineering and Architecture

| # | Workshop Title | Speaker/Faculty Name | Organized by | Date From-To | Participations | Location |
|---|---|--------------------------------|-------------------------|-----------------------------|---|-----------------------|
| 1 | CFD club first cycle workshop | Dr Wameath AbdulMajeed | College of Engineering | 30 Oct. 2019 - 26 Dec. 2019 | Students and alumni - Chemical engineering | Computer Lab 5c-3 |
| 2 | College ADRI Report Writing Workshop 3rd Workshop-Eng | Dr Hussein Al Abdulqader | College of Engineering | 14-11-2019 | Faculties and Staff | UoN Campus |
| 3 | Research Operational Plan and Publications 3 rd Workshop-Eng | Dr Salam Al-Dawery | College of Engineering | 31-10-2019 | Faculties of College of Engineering and Architecture | Al Mashariq Hall |
| 4 | Research Ethics and Publications 3 rd Workshop-Eng | Dr. Sri Hari Kumar Annamareddy | College of Engineering | 05/11/2019 | Faculties of College of Engineering and Architecture | 15G |
| 5 | Advising Police 3 rd Workshop-Eng | Dr. Hazim Fadhil Abbas | College of Engineering | 05/11/2019 | Faculties of College of Engineering and Architecture | 15G |
| 6 | Internship guidelines Graduation Project and Architecture 3 rd Workshop-Eng | Dr. Nasrellah Hassan Ahmed | College of Engineering | 07.11.2019 | Faculties of College of Engineering and Architecture | UoN, Al Mashariq Hall |
| 7 | Moodle | Mr. Atef | Electrical and Computer | 14/4/2020 | ALL Electrical and Computer Engineering faculties and Lab instructors | Google meeting |

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|----|--|--------------------------|-------------------------|---------------|--|------------|
| | | | Engineering (online) | | | |
| 8 | Introduction of New Academic and Administration staff 3rd Annual college workshop | Dr Hussein Al Abdulqader | College of Engineering | 31-10-2019 | Faculties and Staff | UoN campus |
| 9 | Conflict of Interest 3rd Annual college workshop | Mohamed yousuf.S | College of Engineering | 5.11.19 | Faculties and Staff | UoN campus |
| 10 | College website and faculty webpage | Samir Al Qeisi | College of Engineering | 5-11-2019 | Faculties and Staff | UoN Campus |
| 11 | Academic Ethics and Academic Misconduct 3rd Workshop-Eng | Dr. Moh. Faisal | College of Engineering | 7-11-2019 | Faculties and Staff | UoN Campus |
| 12 | College ADRI Report Writing Workshop 3rd Workshop-Eng | Dr Anwar Ahmed | College of Engineering | 14—15-11-2019 | Faculties and Staff | UoN Campus |
| 13 | Quality control-ABET 3 rd Workshop-Eng | Dr. Anwar Ahmed | College of Engineering | 05/11/2019 | Faculties of College of Engineering and Architecture | 15G |

Seminars Attended in Year: 2019 – 2020

| # | Faculty Name (Presenter) | Title | Date | Dept. | Attendance Faculty name |
|---|-----------------------------|--|---------------|--|---|
| 1 | Dr Mamdouh I. Zaky | A proposed methodology to merge the archaeological buildings in the tourism system in Sultanate of Oman | 26-9- 2019 | Architecture and Interior Design | Dr.Hussein Ali Ahmed Al Abdulqader Dr.Mohammed Faisal Al- Kazee Dr.Luai Ali AL-Jubori Dr.Said AL Maawali Dr.MUHAMMAD ASHRAF JAVID Dr.Qazi Nasir S.S Reddy Dr. Sri Hari Kumar Annamareddy Eng.Moad Alsta Dr.Abdullah AL Hasanat Dr. Nasrellah Hassan Dr.Salam KhadhimHasan Dr.Subhi Azeez Ali AL Ibrahim Mr.Samir AL Qeisi Mr.Ravishankar K.R Mrs.Nasreen Eng.Anju Parameswaran Eng.Aysha Haroon |

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|---|------------------------------------|--|---------------|--|---|
| | | | | | Mrs.Sofia Sebastian Dr. Hazim Fadhil Dr.Salam A.Mohammed Mr.Wael A .Khudhayer Dr. Imran Lateef Qureshi Dr.Anwar Ahmed |
| 2 | Dr. Wameath S. Abdul- Majeed | CFD: A platform for mimicking engineering challenges | 3-10- 2019 | Chemical and Petrochemical Engineering | Dr.Abdullah AL Hasanat Dr.Mohammed Faisal Al- Kazee Mr.Atef A.Abusalim Dr.Said AL Maawali Dr.MUHAMMAD ASHRAF JAVID Dr.Qazi Nasir S.S Reddy Dr. Sri Hari Kumar Annamareddy Dr.Yasir Dr. Nasrellah Hassan Dr.Salam KhadhimHasan Mr.vilas sankar Mr.Samir AL Qeisi Mr.Ravishankar K.R Dr.Munaf Salim Eng.Anju Parameswaran Eng.Aysha Haroon |

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|---|-----------------|------------------------------|------------|--|--|
| | | | | | Dr.Mamdouh Ibrahim Zaky Dr. Hazim Fadhil Mr.Khalid AL Hosni Dr. Imran Lateef Qureshi Dr.Anwar Ahmed Dr.Ali Abdulhafidh Ali |
| 3 | Mr. Omar Khaled | workshop delivered by COMSOL | 09/10/2019 | COMSOL Marketing Specialist Elnady Engineering & Agencies COMSOL Agent in Arab Countries, 2 Elgabal Elakhdar Buildings, Nasr City, 11471 Cairo, Egypt. | Dr.Hussein Ali Ahmed Al Abdulqader Mohammed Ashfaq Shaikh Dr. Wameath Abdul Majeed Eng.Moad Alsta S.S Reddy Dr.Subhi Azeez Ali AL Ibrahim Marlyn Bojamgin Dr.Mohammed Faisal Al-Kazee Mr.Wael A .Khudhayer Dr. Hazim Fadhil Dr.Salam A.Mohammed Dr. Nasrellah Hassan Dr.Said AL Maawali Dr.Salam KhadhimHasan |

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|---|----------------|---------------------------------|------------|-------------------------------------|---|
| | | | | | Dr.Mamdouh Ibrahim Zaky |
| 4 | Dr Munaf Salim | Intelligent and Autonomous Cars | 19-12-2019 | Electrical and Computer Engineering | Dr.Mohammed Faisal Al-Kazee Dr.Abdullah AL Hasanat Dr. Nasrellah Hassan Dr. Hazim Fadhil Dr. Wameath Abdul Majeed Dr.Qazi Nasir Eng.Aysha Haroon Eng.Anju Parameswaran S.S Reddy Dr.Ali Abdulhafidh Ali Mr.Samir AL Qeisi Mr.Atef A.Abusalim Mohammed A. AlSaadi Eng.Moad Alsta Dr.Mamdouh Ibrahim Zaky Dr.Yasir Dr.Subhi Azeez Ali AL Ibrahim Dr.Said AL Maawali Dr.Salam KhadhimHasan |

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|---|---------------------------------------|---|---------------|--|--|
| | | | | | Dr. Sri Hari Kumar Annamareddy Dr.Munaf Salim |
| 5 | Mr. KR and Mrs. Sofia Sebastian | TRADITIONAL SETTLEMENTS AT BIRKAT-AL-MOUZ OMAN – Heritage Study and Documentation | 30-1- 2020 | Architecture and Interior Design | Dr.Hussein Ali Ahmed Al Abdulqader Mr.Atef A.Abusalim Dr.Anwar Ahmed Dr.Mohammed Faisal Al- Kazee Dr.Qazi Nasir Dr.Ali Abdulhafidh Ali S.S Reddy Eng.Aysha Haroon Mohammed Yousuf. S Safa Nasser Ali Haseena Saleh Al- Shammakhi Akhlas Khalifa Al-Mayahi Mrs.Nasreen Dr.Munaf Salim Dr.Luai Ali AL-Jubori Dr.Abdullah AL Hasanat Dr.Subhi Azeez Ali AL Ibrahim Mr.Samir AL Qeisi Dr.Mamdouh Ibrahim Zaky |

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|---|-----------------------------------|--|------------|----------------------------------|---|
| | | | | | Dr. Sri Hari Kumar Annamareddy Dr.Salam KhadhimHasan |
| 6 | Mrs. Nasreen Kauser Dummi Shabbir | Sustainable urban design strategies towards sustainable urban future | 06-02-2020 | Architecture and Interior Design | Wafaa Awadh Ruqaya Almaawali Dr.Subhi Azeez Ali AL Ibrahim Mr.Samir AL Qeisi Dr. Wameath Abdul Majeed Mohammed Ashfaq Dr. Qadir S.S Reddy Mohammed Yousuf. S Mr.vilas sankar Dr.Abdullah AL Hasanat Mr.Atef A.Abusalim Dr.Yasir Ali Mr.Ravishankar K.R Mr.Wael A .Khudhayer Dr.Mohammed Faisal Al-Kazee Dr.Anwar Ahmed Dr.Qazi Nasir Dr.Munaf Salim |

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|---|------------------------------------|---|------------|-------------------------------------|---|
| | | | | | <p>Dr.Mamdouh Ibrahim Zaky</p> <p>Dr.Hussein Ali Ahmed Al Abdulqader</p> <p>Eng.Anju Parameswaran</p> <p>Dr.Ali Abdulhafidh Ali</p> <p>Dr.Salam KhadhimHasan</p> <p>Eng.Aysha Haroon (Excused)</p> |
| 7 | Mr. Moad Mohammed Abdalsalam Alost | The use of Building Information Modeling (BIM) software in construction: Navisworks | 13-02-2020 | Civil and Environmental Engineering | <p>Dr.Hussein Ali Ahmed Al Abdulqader</p> <p>Dr.Mohammed Faisal Al-Kazee</p> <p>Mr.Ravishankar K.R</p> <p>Dr.Munaf Salim</p> <p>Mr.Samir AL Qeisi</p> <p>Dr.Anwar Ahmed</p> <p>Dr.Qazi Nasir</p> <p>Dr. Sri Hari Kumar Annamareddy</p> <p>Mohammed Ashfaq</p> <p>Mohammed Yousuf. S</p> <p>Eng.Anju Parameswaran</p> <p>Eng.Aysha Haroon</p> <p>Mr.vilas sankar</p> <p>Dr.Ali Abdulhafidh Ali</p> |

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|---|-------------------------------------|--|----------------|--|---|
| | | | | | Dr.Yasir Ali Dr.Abdullah AL Hasanat Dr.Salam KhadhimHasan Eng.Moad Alsta Mr.Atef A.Abusalim |
| 8 | Dr Yasir Ali Elsheikh Elfadol | Green Ionic Liquids, New aspects for the future | 20/02/20 20 | Chemical and Petrochemical Engineering | Dr.Mohammed Faisal Al- Kazee Dr.Anwar Ahmed Dr.Qazi Nasir S.S Reddy Mohammed Yousuf. S Dr.Salam A.Mohammed Dr. Sri Hari Kumar Annamareddy Mr.Ravishankar K.R Dr. Wameath Abdul Majeed Mohammed Ashfaq Dr.Mamdouh Ibrahim Zaky Eng.Aysha Haroon Eng.Anju Parameswaran Dr.Luai Ali AL-Jubori Dr.Salam KhadhimHasan Dr.Hussein Ali Ahmed Al Abdulqader |

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|---|--------------------------|--|-----------|-------------------------------------|---|
| | | | | | Dr.Abdullah AL Hasanat Dr.Munaf Salim Dr. Qadir Dr.Ali Abdulhafidh Ali Mrs.Nasreen Dr.Subhi Azeez Ali AL Ibrahim (Excused) |
| 9 | Dr. Qadir Buxalias Imran | NUMERICAL SIMULATION STUDY ON UHPFRC UNDER STATIC LOAD | 12-3-2020 | Civil and Environmental Engineering | Dr.Mohammed Faisal Al-Kazee Dr.Anwar Ahmed Dr.Qazi Nasir S.S Reddy Mohammed Yousuf. S Dr.Salam A.Mohammed Dr. Sri Hari Kumar Annamareddy Mr.Ravishankar K.R Dr. Wameath Abdul Majeed Mohammed Ashfaq Dr.Mamdouh Ibrahim Zaky Eng.Aysha Haroon Eng.Anju Parameswaran Dr.Luai Ali AL-Jubori Dr.Salam KhadhimHasan |

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| | | | | | Dr.Hussein Ali Ahmed Al Abdulqader Dr.Abdullah AL Hasanat Dr.Munaf Salim Dr. Qadir Dr.Ali Abdulhafidh Ali Mrs.Nasreen Dr.Subhi Azeez Ali AL Ibrahim |
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Workshop Attended in Year: 2019 – 2020

| # | Title of the workshop | Workshop details Presenter, date, place, internal, external | Faculty name | Dept./section |
|---|--|---|--|-------------------------------------|
| 1 | Third Annual College of Engineering and Architecture Workshop | The workshop targets several vital activities such as teaching training and new faculty induction program that will increase the general awareness of concerned staff | Dr. Nasrellah Hassan Ahmed Prof.Subhi Dr.Reddy Dr.Ashraf Dr.Imran Dr.Said | Civil and Environmental Engineering |

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| | | members in the University. October- November 2019 | Dr.Anwar Mr.Vilas Ms.Aysha Haroon Mr.Moad | |
| | | | DR Hazim Dr Salam K Dr Salam M Dr Wameath Dr Sri Dr Yasir Dr Qazi Mr Mohammed Mrs Hanan | Chemical and Petrochemical Engineering |
| | | | Dr Hussein Dr Abdullah Dr Ramzi Dr Ali Dr Munaf Mr Mohammed Mr Atef | Electrical and Computer Engineering |
| | | | Dr Luai Dr Mamdouh Dr Mohammed Mr Ravi Mrs Sofia | Architecture and Interior Design |

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| | | | Mr Wail Mr Samir | |
| 2 | | | | |
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***Note:** Please add rows as needed.

Awards in Year: 2019 – 2020

| # | Award title/detail | Awarded by | Faculty involvement | Students Involvement |
|---|---|--|----------------------|----------------------|
| 1 | Certificate of Appreciation and Thanks “Chairman of College Academic Committee 10 years.” | University of Sana’a- Yemen | Prof. Subhi Aziz Ali | |
| 2 | Certificate of Appreciation and Thanks “Head of department of postgraduate studies for many years”. | University of Sana’a- Yemen | Prof. Subhi Aziz Ali | |
| 3 | Certificate of Appreciation and Thanks “editorial board of Iraqi journal of chemical and oil engineering .” | University of Baghdad College of engineering | Dr Salam Al-Dawery | |

Collaboration in Year: 2019 – 2020

| # | collaboration with | country | focal Faculty | Dept/unit |
|---|-------------------------|---------|---------------|-----------|
| 1 | | | | |
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UoN International Research Collaboration

| No. | Research Chair/Center | No. of International Collaborators | No. of International HEIs of affiliation | Sample of Research Areas being Investigated |
|-----|-----------------------|------------------------------------|--|---|
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UoN Co-supervisors of International PhD Students

| Supervisor Name | No of Students | Country | Area of the Study |
|-----------------|----------------|---------|-------------------|
| | | | |
| Total | | | |

URG (FURAP) approved and submitted in Year: 2019 – 2020

| # | Title | Students Names | Faculty Mentor | Grant Amount (OMR) | Submitted/ Approved |
|---|--|-------------------|----------------|--------------------|---------------------|
| 1 | The Intelligent Survival System | Ahoud, Shamsa | Dr. Abdullah | 1900 OMR | Submitted |
| 2 | Simulation study on UHPFRC | Haitham al-Ghafri | Dr Qadir | 1500 | Submitted |
| 3 | Performance enhancement of solar still | Amjad Al-Zakwani | Dr Sri | 1500 | Submitted |

Open Research Grant approved and submitted in Year: 2019 – 2020

| # | Title | PI | Team members | Grant Amount (OMR) | Submitted/ approved |
|---|--|--------------------------------|---|--------------------|---------------------|
| 1 | Propane oxidative dehydrogenation using catalytic membrane reactor | Dr. Sri Hari Kumar Annamareddy | Dr Qazi Nasir Dr Salam aldawery | 5000 | Approved |
| 2 | Development of a continuous flow solar disinfection system for treated wastewater | Dr.Reddy | Dr.Salam Kadhim Dr.Anwar | 4000 | Approved |
| 3 | Kinetics and mechanism of CO2 fixation | Anwar Ahmed | Dr Reddy | 4000 | approved |
| | Catalytic conversion of carbon dioxide to methanol | Sri Hari Kumar Annamareddy | Salam K Al-Dawery | 18000 | submitted |
| | Advanced ultrasonic system for synthesis of Nanostructure Active Pharmaceutical Ingredient for Hydrochlorothiazide | Salam Mohammed | Dr Hazim, Dr Anil Philip | 12400 | submitted |
| | Implementation of BIM Technology in Engineering Education | Dr. Mohammed Faisal | Dr. Naserllah Ahmed Mr. Wael Khudhayer | 10000 | submitted |

Approved Bachelor Graduation Projects in Year: 2019 – 2020

Completed Graduation Projects (Presentations completed)

| # | Name of supervisor | Title of project | Name of student | Month/Year of presentation | Section/ Department |
|---|--|---|--|----------------------------|--|
| 1 | Dr Wameath AbdulMajeed | Catalysis of Liquid Medium Reactions Through Non-thermal Plasma: Unique Approach for Production of Iron Dendritic Nanoparticles | Muna Musabah Alsubhi & Aida Khalfan Alabri | January 2020 | Chemical and Petrochemical Engineering |
| 2 | Supervisor: Dr Wameath AbdulMajeed Co-advisors: Dr Hazim F. Abbas Dr Ali A. Titinchi | INTEGRATION OF ARDUINO MICRO PROCESSOR FOR CONTROLLING PROCESS pH OPERATING CONDITIONS | Rakan Raed Al-Najjar and Abdullah Mohammed Al-Musalami | Feb. 2020 | Chemical and Petrochemical Engineering |
| 3 | Dr.Yasir Elsheikh | Study of different feedstocks for biodiesel production | Marwa Khalifa Alhajri, Salma Hamed Alhidaifi | Jan.2020 | Chemical and Petrochemical Engineering |
| 4 | Dr.Yasir Elsheikh | New novel techniques for extraction of natural products | Khlood Algami, Rabaa AlHattali | Jan.2020 | Chemical and Petrochemical Engineering |
| 5 | Dr Salam Al-Dawery | Parameters Affecting Sediment Microbial Fuel Cell (SMFC) | Basma Sultan Mohammed al-Maawali Anwar Saed Suliman Almahrooqi | Feb 202 | Chemical and Petrochemical Engineering |
| 6 | Dr Salam Al-Dawery | Preparation of Activated Carbon from Sewage Sludge | Muna said al-sabari Safa ali al fazari | Feb 2020 | Chemical and Petrochemical Engineering |

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|----|--|---|--|-----------|--|
| 7 | Dr. Hazim Fadhil Abbas Dr. Salam Mohammed | Pyrolysis of Used Polyethylene Using Nano Catalyst | Shadha Abdullh Al Nadabi Amima Mhamood Al Kharusi | Jan 2020 | Chemical and Petrochemical Engineering |
| 8 | Dr. Hazim Fadhil Abbas Dr. Salam Mohammed | Synthesis of doped nano-catalyst for plastic degradation | Ahmed Rashid Al-Naabi. Salim Ali Al-Yahyaee. Abdullah Saleh Al-Kharousi. | Sep 2019 | Chemical and Petrochemical Engineering |
| 9 | Dr. Sri Hari Kumar Annamareddy | Treatment of garage wastewater using chitosan and activated carbon | Hawriya Saud AL-Ghatrifi Zainab Mohammed AL-zuhabi | Aug, 2019 | Chemical and Petrochemical Engineering |
| 10 | Dr. Muhammad Ashraf Javid | Mode Choice Characteristics of University Students: A Case of University of Nizwa | Ghadeer Hameed | Jan 2020 | Civil and Environmental Engineering |
| 11 | Dr Qadir Bux alias Imran Latif | NUMERICAL SIMULATION STUDY ON THE RESPONSE OF UHPFRC AND NC BEAMS WITH DIFFERENT STEEL BAR CONFIGURATIONS | ANAS AMMAR (65167903) ALI SAIF (18986712) | Jan 2020 | Civil and Environmental Engineering |

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|----|-----------------------------------|--|--|-----------------|---|
| 12 | Dr Qadir Bux alias Imran Latif | CONCEPTS, MOTIVATOR AND BARRIER FACTORS OF SUSTAINABILITY AND GREEN BUILDING IN OMAN CONSTRUCTION INDUSTRY | MAISA ISMAIL (09447022) IQBAL MAQBOOL AL- RAWAHI | Jan 2020 | Civil and Environmental Engineering |
| 13 | Prof.Subhi Aziz Ali | Study of reusing vegetable plastic bags as reinforcement for soil improvement | Imran Ayub Khokar Khali Al Saidi | October 2019 | Civil and Environmental Engineering |
| 14 | Prof.Subhi Aziz Ali | Study of improving the strength and compaction characteristics of nizwa soil using date seeds | Al-Hussaien Al Hokani | January 2020 | Civil and Environmental Engineering |
| 15 | Dr. Abdullah Alhasanat | Dangerous Animal Detection in Rural Area | Fayzah, Afrah | June, 2020 | Electrical and Computer Engineering |
| 16 | Mohamed Yousf.S | IMPLEMENTA TION OF SMART ENERGY METER USING ARDUINO – GSM TECHNOLOGY | Ruqiya Al- Hiji, Naila Al-Harrasi, Zahra Al- Mufargi | Sep 2019 | Electrical and Computer Engineering |

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| 17 | Dr. Ali A. Titinchi | Multi-Sensor Fire Detection with GSM Alarm System | Huda Said Bati Al Busaidi , Huria Issa Nasser Al Sulaimani, Jawaher Mohammed Nasser Al Siyabi | Jan 2020 | Electrical and Computer Engineering |
| 18 | Dr.Luai | Museum of Fine Arts | SUMAIYA HAMOOD | 2019-2020 | Architecture and Interior Design |
| 19 | Dr.Luai | International Gaming Center | YASEEN MMD ALAZZAWI | 2019-2020 | Architecture and Interior Design |
| 20 | Dr.Luai | Mosul International Airport | ABDUL RAHMAN SAMIR AL QEISI | 2019-2020 | Architecture and Interior Design |
| 21 | Dr.Luai | Mall of Nazwia | IMAN AL AZRI | 2019-2020 | Architecture and Interior Design |
| 22 | Dr.Luai | Coral Muscat Hotel – Interior Spaces | MAATHER AL HABSI | 2019-2020 | Architecture and Interior Design |
| 23 | Dr. Mohamed Faisal | International College of Engineering & Management | KAUTHAR HAMOOD AL SHUKAIRI | 2019-2020 | Architecture and Interior Design |
| 24 | Dr. Mohamed Faisal | Cruise Terminal in Khasab | MARYAM SATII AL SHARIDA | 2019-2020 | Architecture and Interior Design |
| 25 | Dr. Mohamed Faisal | Public Library in Bahla | ZAKIYA SALIM ALRIYAMI | 2019-2020 | Architecture and Interior Design |
| 26 | Dr. Mohamed Faisal Al-Kazee | Office of Wali Izki | OMYMA KHALFAN AL SULAIMI | 2019-2020 | Architecture and Interior Design |
| 27 | Dr. Mamdouh I. Zaky | Olympic Equestrian Center and Museum | SAJA SAID MOHAMMED AL MAAMARI | June 2019 | Architecture and Interior Design |

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| 28 | Samir Al Qeisi | “Bridging The Gap!” A touristic fantasy Hotel above the wadi of Tanouf | NAWF KHAMIS ABDULLA H AL NAABI | June / 2019 | Architecture and Interior Design |
| 29 | Samir Al Qeisi | Dialog of cultures: Omani embassy in Cairo | Roba Al Sobhi | September / 2019 | Architecture and Interior Design |
| 30 | Samir Al Qeisi | Small hands big talents: center for child talents development | Hajer Al Salmi | June-September / 2020 | Architecture and Interior Design |
| 31 | Wael A. Khudhayer | Zara Fashion Center | RUQAIYA ALI MANSOOR AL DARMAKI | Spring 2020 | Architecture and Interior Design |
| 32 | Wael A. Khudhayer | Day Care Center | SANA SAID SULAIMAN AL AWAIMAR Y | Spring 2020 | Architecture and Interior Design |
| 33 | Wael A. Khudhayer | Fashion Showroom | SHIMA MOHAMM ED ISSA AL AZRI | Spring 2020 | Architecture and Interior Design |
| 34 | Mr.Ravie | Mosul National Library | Hudaifah Luai | Spring 2020 | Architecture and Interior Design |
| 35 | Mrs.Sofia | Nizwa Mall | Afrah Al Rudaini | Fall 2020 | Architecture and Interior Design |
| 36 | Anwar Ahmed | Studies of emerging organic contaminants occurrence for water treatment plants tank and supply networks | Salwa Alla | November 2019 | Civil and Environmental Engineering |
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Faculty – Students joint publications in Year: 2019 – 2020

Use data from above tables

| # | Faculty and Students Name | Journal details (Title, volume, issue, page.no, year, publisher, country) | Conference Details (title, date, organizer, city, country) | Department |
|---|--|--|--|--|
| 1 | Salam Al-Dawery, Anwar Ahmed, Sajjala S. Reddy, Omaila Al-Hadhrani, Kareema Al-Lamki, | Cost-effective treatment of sludge conditioning using supernatant fluid polyelectrolyt Environ Sci Pollut Res 27, 10790–10801 | --- | Chemical and Petrochemical Engineering |
| 2 | Wameath S. Abdul-Majeed, Mohammed A. Al Saadi, Muna M. Alsubhi, Aida K. Alabri, Khamis O. Al-Riyami, Sausan Al Yaqoobi. | Application of flying jet plasma torch for synthesis of iron based nano structures Letters in Applied NanoBioScience, 2020, 9 (3), 1188-1198. | - | Chemical and Petrochemical Engineering |
| 3 | Salam A. Mohammed, Hazim F Abbas, Hajer Alshihi, Fazal Mabood, Emad Yousif, Ali Abd Ali, Zainab Hussain, Khamis Al Riami | Assessment of Nanocalcite Synthesis Routs on Green Biodiesel Production: Comparative Study Bioiterface Research in Applied Chemistry Vol:10, Iss:5, pp:6139-6147, 2020-05-01 | --- | Chemical and Petrochemical Engineering |
| 4 | Qadir Bux alias Imran Latif, Aysha Mehfoodh Dhiyab Al Saadi, Ismail Abdul Rahman | Identification of Delay Factor in Oman Construction Industry. International journal of 5sustainable construction engineering and technology (ijscet) | | Civil and Environmental Engineering |

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|---|--|---|--|---|
| | | vol. 10 no. 1 (2019) 34-45 | | |
| 5 | Qadir Bux Alias Imran Latif , Thuraya Bal Arab Al Batashi, Kamran Latif Qureshi | Oman Construction Industry Prospective on Cause of Construction Material Waste International journal of integrated engineering (ijie) vol. 12 no. 1 (2020) 243- 252 | | Civil and Environmental Engineering |
| 6 | Anas Ammar Al-Kabasi ^{a,1} , Ali Saif Al-Wardi ^b , Qadir Bux alias Imran Latif ^{c,2} , Nasrellah Hassan Ahmed ^d | Numerical simulation study on load deflection and strain curve of uhpfrc beams under static load International Journal of Advance Science and Technology Vol. 29 No. 10S, (2020), pp. 1360- 1371 | | Civil and Environmental Engineering Department |
| 7 | Sreedhar Reddy Sajjala Salam Kadhim Al Dawery Anwar Ahmed Munira Ali Nasser Al Jabri ¹ | Disinfection of total coliform bacteria in Falaj water by solar water disinfection (SODIS) Caspian journal of environmental Sciences, Topic:Engineering and Technology, Vol:17, Iss:4, pp:285-293, 2019- | | Civil and Environmental Engineering |

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| | | 12-01, y University of Guilan, I.R. Iran, Iran | | |
| 8 | Mohamed Yousuf.S, Ruqiya Al-Hiji, Naila Al-Harrasi, Zahra Al-Mufargi | IMPLEMENTATION OF SMART ENERGY METER USING ARDUINO – GSM TECHNOLOGY , Journal of Information and Computational Science(JOICS) / ISSN: 1548-7741 / Volume 9 Issue 11 – 2019/ PNO: 127-137 | - | Electrical and Computer Engineering |
| 9 | Ibtisam Sulaiman Al Busaidi , Bashair Nasser Said Al Badri , Sreedhar Reddy, Rama Mohan Rao | | Treatment of Falaj water using sand filter integrated with Phyto disinfectant” Virtual International Conference on Natural disasters and their Early Warning Systems (NEWS) 2020 8-9, July 2020 | Civil and Environmental Engineering |
| 10 | Study on Grey water treatment using cement kiln dust and chemical coagulants. Anwar Ahmad , Sultan Ghadeer, Talal A-Hosini,. | Journal of Applied Water Engineering and Research. DOI 10.1080/23249676.2020.1761900 | ISI) I. Factor-0.98 H-Index Taylors Francis | University of Nizwa |

Reviewing of papers for Journals and Conferences in Year: 2019 – 2020

| College of Engineering and Architecture | | | | | |
|---|-------------------------------|---|-------------|--------------|-------------------------------------|
| # | Faculty Name | Journal / Conference name | Country | Date | Department |
| 1 | Dr. Abdullah Alhasanat | IEEE transaction in Mobile Computing | USA | 2019/2020 | Electrical and Computer Engineering |
| 2 | Dr. Abdullah Alhasanat | IEEE Transaction in Vehicular Technology | USA | 2019/2020 | Electrical and Computer Engineering |
| 3 | Dr. Abdullah Alhasanat | Wireless Network Journal | Netherlands | 2019/2020 | Electrical and Computer Engineering |
| 4 | Prof Dr Hussein Al Abdulqader | 2nd 2019 International Conference on Electronics Representation and Algorithm 2nd ICERA 2019 | Indonesia | 2-12-2019 | Electrical and Computer Engineering |
| 5 | Prof Dr Hussein Al Abdulqader | The 1st International Symposium on Engineering and Technology 2019 ISETech 2019 | Malaysia | October 2019 | Electrical and Computer Engineering |

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|----|-------------------------------|--|-----------|---------------|--|
| 6 | Prof Dr Hussein Al Abdulqader | International Conference on Material Science and Engineering International Committee Member | Australia | 16-18/09/2019 | Electrical and Computer Engineering |
| 7 | Dr Wameath Abdul-Majeed | Plasma Chemistry and Plasma Processing (Springer) | USA | 30 May 2020 | Chemical and Petrochemical Engineering |
| 8 | Dr Wameath Abdul-Majeed | Iraqi Journal of Chemical and Petroleum Engineering | Iraq | 13 May 2020 | Chemical and Petrochemical Engineering |
| 9 | Dr Wameath Abdul-Majeed | Biomass Conversion and Biorefinery (Springer) | Germany | 2 August 2019 | Chemical and Petrochemical Engineering |
| 7 | Dr. Anwar Ahmed | Bioresource Technology | USA | November 2019 | Civil and Environmental Engineering |
| 8 | Dr. Anwar Ahmed | Water Research | USA | December 2019 | Civil and Environmental Engineering |
| 9 | Dr. Anwar Ahmed | Environmental Progress | UK | December 2019 | Civil and Environmental Engineering |
| 10 | Dr. Anwar Ahmed | ESPR | UK | February 2020 | Civil and Environmental Engineering |
| 11 | Dr. Anwar Ahmed | Environmental Pollution | USA | February 2020 | Civil and Environmental Engineering |

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| 12 | Dr. Anwar Ahmed | Ecological Engineering | UK | April 2020 | Civil and Environmental Engineering |
| 13 | Dr. Anwar Ahmed | IJEST Springer | USA | May 2020 | Civil and Environmental Engineering |
| 14 | Dr Salam Al-Dawery | Journal of Water Process Engineering | USA | Dec 2019 | Chemical and Petrochemical Engineering |
| 15 | Dr Salam Al-Dawery | International Conference on Renewable and Sustainable Energy | UAE | Dec 2019 | Chemical and Petrochemical Engineering |
| 16 | Dr Salam Al-Dawery | Journal of Engineering Science and Technology | Malaysia | October 2019 | Chemical and Petrochemical Engineering |
| 17 | Dr Salam Al-Dawery | Cogent Food and Agriculture | South of Africa | October 2019 | Chemical and Petrochemical Engineering |
| 19 | Dr Salam Al-Dawery | Journal of Water Process Engineering | USA | April 2020 | Chemical and Petrochemical Engineering |
| 20 | Dr Salam Al-Dawery | Journal of Engineering Science and Technology | Malaysia | May 2020 | Chemical and Petrochemical Engineering |