

Research outcomes: College of Engineering and Architecture

Academic Year 2021 – 2022

| College/University Units | | College of Engineering and Architecture | | | | |
|--------------------------------------|---------------|---|------|-------|-------|-----------|
| Department/School | | DCEE | DChE | DECE | Arch | CEA Total |
| Journal papers Published | | 20 | 8 | 2 | 3 | 33 |
| No. of faculty | | 10 | 8 | 6 | 9 | 33 |
| J. paper/faculty | | 2 | 1 | 0.333 | 0.333 | 1 |
| Journal papers Accepted | | 3 | 1 | - | - | 4 |
| Books/Book Chapters | | 1 | - | - | - | 1 |
| Conference Papers | International | 6 | 1 | - | 3 | 10 |
| | National | 3 | 3 | 2 | 7 | 15 |
| Conference Attendance | International | 3 | 3 | 5 | 5 | 17 |
| | National | 8 | 11 | 8 | 7 | 34 |
| Seminars (organized) | | 9 | 2 | 4 | 6 | 21 |
| Workshop (organized) | | 8 | 2 | 4 | 1 | 15 |
| Bachelor Graduation Projects | | 7 | 8 | 4 | 9 | 28 |
| Awards | | 1 | - | - | 1 | 2 |
| International Research Collaboration | | - | - | - | - | - |
| General Collaboration | | 3 | 7 | 1 | 1 | 12 |
| Approved URG – RG projects | | | | | | |
| Approved ORG Projects | | 1 | | | | 1 |

List of Journal Papers Academic Year Academic Year 2021 – 2022

| College of Engineering and Architecture | | | | | | | |
|---|-------------------------|---|-------------------------------------|--|---|--------------------------------|---|
| # | اسم المؤلف author | المؤلفين Co-authors | التخصص main specialty | عنوان الورقة title of paper | الوصلة URL | التاريخ date of publication | اسم المجلة name of journal, details and quality |
| 1 | Samir A. Al Qeisi | Enas S. Abdulahaad Oday A. Abood | Architectural Engineering | Development of brick architecture: the transformation in accordance with contemporary digital technology | http://jestec.taylors.edu.my/Vol%2017%20Issue%202%20April%202022/17_2_54.pdf | 01/04/2022 | Journal of Engineering Science and Technology |
| 2 | Sofia Sebastian | Ravishankar K.R. | Architecture | Towards Sustainable Design: Influence of pandemics on Architectural Design and Urban Planning through the ages | https://www.rsisinternational.org/journals/ijrsi/archive/volume-ix-issue-iv/ | 18-04-2022 | International Journal of Research and Scientific Innovation (IJRSI) |
| 3 | Mohamed Faisal Al-Kazee | Racha Ramhamdani | Architectural Engineering | The Adoption of BIM Technology in the Architectural Consultancy Firms in GCC Region | https://www.hrpub.org/journals/article_info.php?aid=11765 | 01/01/2022 | Journal of Civil Engineering and Architecture |
| 4 | Ahmed Said Al Busaidi | Ahmed Said Al Busaidi , Neha Cherattuparab | Electrical and computer Engineering | Performance Analysis of a 22.8 kW PV solar system | https://www.ijrer.org/ijrer/index.php/ij | (2022): March | International journal of |

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| | | il Anil , Hafiz Zafar Sharif | | of the HCT Eco-house in Oman | rer/author /submission/12607 | | renewable energy research |
| 5 | Mohamed Yousuf.S | Mohammed Ghusn Yahya AL Hinaey | Electrical and Computer Engineering | Application of Piezoelectric Sensor in Energy Harvesting Technology for Pathway Sustainability | http://www.ijert.org/ | Feb 2022 | International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 11 Issue 02, |
| 6 | Sreedhar Reddy | Najat Issa Al Balushi Salam K.Al Dawery Anwar ahmed | Environmental Engineering | Solar disinfection of treated urban wastewater: Development of a predictive mathematical model using two level factorial design | http://www.arpnjournals.com/jeas/volume_01_2022.htm | 10 January 2022 | ARPJ Journal of Engineering and Applied Sciences Scopus, Q3 SJR: 0.25 H-index:30 |
| 7 | Sreedhar Reddy | Najat Issa Al Balushi Salam K.Al Dawery Anwar ahmed | Environmental Engineering | Development of a predictive mathematical model using multi level factorial design for solar disinfection of treated urban wastewater | http://www.arpnjournals.com/jeas/volume_04_2022.htm | 20 February 2022 | ARPJ Journal of Engineering and Applied Sciences Scopus, Q3 SJR: 0.25 H-index:30 |
| 8 | Aysha Haroon | B. H. Abu Bakar | Structural Engineering | Optimum thickness of | https://www.hrpub.org/download/2021 | Dec, 2021 | Civil Engineering and Architectur |

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| | | | | UHPFRC overlay for restoration of normal concrete elements | 1030/CE A11-14824652.pdf | | e (ISSN: 2332-1121) Scopus - Q3 SJR: 0.228 H-index:7 |
| 9 | Dr Qadir Bux alias Imran Latif | Memon, Z.A.; Mahmood, Z.; Qureshi, M.U.; Milad, A. | Structural Engineering | A Machine Learning Model for the Prediction of Concrete Penetration by the Ogive Nose Rigid Projectile | https://www.mdpi.com/2076-3417/12/4/2040 | April 2022 | Impact factor: 2.679 |
| 10 | Dr Qadir Bux alias Imran Latif | Mohsin U. Qureshi, Zafar Mahmood, Qazi U. Farooq, | Structural Engineering | Engineering characteristics of dune sand-fine marble waste mixtures | http://www.technopress.org/content/?page=article&journal=gae&volume=28&num=6&ordernum=1 | March 2022 | Impact factor: 3.223 |
| 11 | Dr Qadir Bux alias Imran Latif | Zafar Mahmood, Mohsin Usman Qureshi, Zubair Ahmed Memon, | Structural Engineering | Ultimate Limit State Reliability-Based Optimization of MSE Wall Considering External Stability | https://www.mdpi.com/2071-1050/14/9/4968 | April 2022 | Impact factor: 3.251 |
| 12 | Abdalkhman Milad | Fathi Alkhatni Siti Zaharah Ishak | Highway Engineering | Characteristic s and Potential Impacts of Rest Areas Proximate to | https://opentransportationjournal.com/VOLUM | Dec, 2021 | The Open Transportation Journal |

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| | | | | Roadways: A Review | E/15/PAGE/260/ | | |
| 13 | Abdalrhman Milad | Ibrahim Adwan ,Sayf A. Majeed , Nur Izzi Md Yusoff | Highway Engineering | Development of a Hybrid Machine Learning Model for Asphalt Pavement Temperature Prediction | https://ieeexplore.ieee.org/document/9623533 | Nov, 2021 | IEEE 3.367 Impact Factor |
| 14 | Moad Alosta | Ramzi M. Abdullah1, Syamsul Bahri3,* | Structural Engineering | On the Analysis and Assessment of Large Concrete Dam Using Finite Element Approach | https://knowledgebasedengineeringandscience.org/index.php/kbes/article/download/5967/4893/14605 | 30/12/2021 | knowledge based engineering and science KBES |
| 15 | Moad Alosta | Mohmed Solla , Ahmed Elmesh, Zubair Ahmed Memon, Lokman Hakim Ismail Mohammed F. Al Kazee, Qadir Bux alias Imran Latif , Nur Izzi Md Yusoff and Abdalrhman Milad | Structural Engineering | Analysis of BIM-Based Digitising of Green Building Index (GBI) Assessment Method | https://www.mdpi.com/2075-5309/12/4/429/pdf | 03/04/2022 | MDPI buildings 2.648 |
| 16 | Subhi Aziz Ali Al-Ibrahim | Al-Hussien Al-Hoqani | Geotechnical Engineering | Strength and compaction behaviors of soil reinforced by | https://ijiet.com/wp-content/uploads/20 | 30/9/2021 | International journal of Innovations |

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| | | | | using randomly distributed date seeds. | 21/10/3.pdf | | in Engineering and Technology Impact factor: 0.672 |
| 17 | Subhi Aziz Ali Al- Ibrahim | Noor AlAbri and Rihab AlYahmadi | Geotechnical Engineering | Effects of stabilizer content on soil properties - Review and correlation | https://www.ajer.org/papers/Vol-11-issue-8/I11086473.pdf | 27/8/2022 | American Journal of Engineering Research (AJER) SJIF:2022: 6.456 (Open Access) |
| 18 | Sreedhar Reddy | Najat Issa Al Balushi Salam K.Al Dawery Anwar ahmed | Environmental Engineering | Optimization of solar disinfection considering log reduction values (LRV) for treated urban wastewater | https://jpoll.ut.ac.ir/article_87464_66668655e7c4ea551c7d4ddaaacd2991.pdf | May 2022 | Pollution Indexed in Scopus Q3 & Web of Science SJR: 0.315 H index: 8 |
| 19 | Said Almaawali | Majed A. A. Aldahdooh • Rami J. A. Hamad • Mohamed J. K. Bashir • Norazura Muhamad Bunnori • Megat Azmi Megat Johar | Structural Engineering | Improving Damaged Reinforced Concrete Beam Failure Behavior Using Externally Bonded UHPFRCCs System | https://doi.org/10.1007/s40999-022-00734-z | May 2022 | International Journal of Civil Engineering |

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| 13 20 | Abdalarhman Milad | Abdalarhman Milad, Sia Zhen Xian , Sayf A. Majeed , Nur Izzi Md Yusoff | Highway Engineering | Predictive Analysis of Azure Machine Learning for the Rheological Behaviour of Unaged and Polymer Modified Bitumen | | May 2022 | Journal of Engineerin g (UKM) |
| 21 | Abdalarhman Milad | SuzielahRahm adaShabir HussainKhahr obSri Atmaja P.RosyidicIsw andaruWidyat mokodNaeem AzizMemone Abdulnaser Mohammed AlSabaeiaAb dalarhmanMila dfMuslich HartadiSutant ogNur Izzi Md.Yusoffa | Highway Engineering | Assessment of Metal Leaching from Rediset- Polymer Modified Asphalt Binder on Groundwater and Soil Contaminatio n | DOI: 10.1016/j. cscm.202 2.e01108 | May 2022 | Case Studies in Constructio n Materials |
| 22 | Abdalarhman Milad | Ali Mohammed Babalghaith, Suhana Koting, Nor Hafizah Ramli Sulong, Md Zahid Hossain Khan, Abdalarhman Milad, Nur Izzi Md. Yusoff, Mohd Rasdan Ibrahim & Abdul Halim bin Nagor Mohamed | Highway Engineering | A systematic review of the utilization of waste materials as aggregate replacement in stone matrix asphalt mixes | https://doi .org/10.10 07/s11356 -022- 19447-w | May 2022 | Environme ntal Science and Pollution Research |

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| 23 | Husam Al Dughaishi | , Jawad Al Lawati, Munder Bilema, Ali Mohammed Babalghaith, Nuha S. Mashaan, Nur Izzi Md. Yusoff and Abdalrhman Milad | Structural Engineering | Encouraging Sustainable Use of RAP Materials for Pavement Construction in Oman: A Review | https://doi.org/10.3390/recycling7030035 | May 2022 | Q2 Citescore 4.8 |
| 24 | Anwar Ahmad | | Environmental Engineering | Microbial granules on reactors performance during organic butyrate digestion: clean production | Taylor & Francis DOI:10.1080/07388551.2022.2103641 | July 2022 | Critical Reviews in Biotechnology impact factor 8.93 |
| 25 | Anwar Ahmad | Alqasim Al-Mamari, Fathima Shahitha, | Environmental Engineering | Novel Antibacterial Wound Healing Hydrogels Based On HEC/SA/HA Using Green Chemistry Approach | Letters in Applied NanoBioscience | May 2022 | Letters in Applied NanoBioscience impact factor 1.93 |
| 26 | Salam Al-Dawery | Wameath Abdul Majeed | Chemical Engineering | Produced Water De-oxygenation: Investigation of Nitrogen Purging scheme– Parametric Study – Part1 | https://etj.uotechnology.edu.iq/article_174476.html | June 2022 | engineering and technology |

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| 27 | Sri Hari Kumar Annamareddy | Salam K. Al-Dawery, D. Sri Maha Vishnu, | Chemical Engineering | Low Temperature Conversion of Ethane to Ethylene Using Zirconia Supported Molybdenum Oxide Catalysts | https://www.espublisher.com/journals/articleetails/710 | May 2022 | Engineered Science Volume 20, 2022 |
| 28 | Sri Hari Kumar Annamareddy, | Ruge Cao, Qianwei Ma, Xueyang Li Ben Bin Xu | Food Technology | Enhancement of the Properties of Peony Seed Meal by Steam Explosion and Complexation | https://www.espublisher.com/journals/articleetails/748/ | Jun 2022 | ES Food & Agroforestry Volume 8, 2022 |
| 29 | Dr. Salam A. Mohammed | Aisha Rashid , Salam A. Mohammed Ali , Hazim F Abbas, Noof Khalid , Emad Yousif , Sausan Alyaqoobi , Khamis Al Riami Mohammed AbdulHakim AlSaadi , Noor | Biointerface Research in Applied Chemistry | Study NiO Nanoparticles with Different Surface Morphologies on PET Pyrolysis Kinetic Parameters | https://biointerfaceresearch.com/wp-content/uploads/2022/06/BR-IAC133.216.pdf | June 2022 | Volume 13, Issue 3, 2023, 216 |
| 30 | Dr. Qazi Nasir | Israf Ud Din, Mustapha D. Garba, Abdulrahman I. | Organic Chemistry and Chemical Engineering | A review of Heterogeneous Catalysts Preparation Methods. | https://www.eurekaselect.com/article/114773 | March 2021 | Volume 19, Issue 1, |
| 31 | Dr. Qazi Nasir | Humbul Suleman, Israf Ud Din & Yasir | Artificial neural network in | A multi-layer perceptron neural network | https://link.springer.com/article/10.100 | April 2022 | Volume 34, pages 15863–15887 |

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|----|---------------------------|--|--|--|--|-----------------------|----------------------|
| | | Elsheikh Elfadol | Chemical Engineering | model for predicting the hydrate equilibrium conditions in multi- component hydrocarbon systems | 7/s00521- 022- 07284-4 | | |
| 32 | Salam Kadhim Al-Dawery | Wameath Sh. Abdul Majeed Hanan A. Al Riyami Hilal A. AL Sheidi Mohammed A. AL Badi | Iranian Journal of Chemistry and Chemical Engineering (IJCCE) | An experimental investigation on drag reduction by a combination of polymer, Laurel soap and palm fiber through circulated Newtonian liquid | https://w ww.ijcce. ac.ir/articl e_246883 .html | 27 October 2021 | |
| 33 | Yasir Elsheikh Elfadol | Mohamed A.Mahmoud, Aghareed M.Tayeb Ahmed M.Daher | chemical separation | adsorption study of oil spill cleanup from seawater using natural sorbent | https://w ww.scienc edirect.c om/scienc e/article/a bs/pii/S24 05830022 000684 | 16 June 2022 | Volume 41, 100896 |

List of Accepted Journal Papers Academic Year 2021 – 2022

| College of Engineering and Architecture | | | | | |
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| # | Article Title | Faculty Name | Journal Details | Journal Quality | Department |
| | Produced Water Deoxygenation via Nitrogen Purging scheme– Parametric Study – Part 2 | Salam K. Al-Dawery, Wameath S. Abdul-Majeed*, Saada Al Shukaili, Chandramouli Thotireddy, Ibrahim Al Amri | Engineering and Technology Journal | | Department of Chemical and Petrochemical Engineering, |
| 2 | Microbial electrolysis of petroleum wastewater for the production of bioelectricity and hydrogen | Anwar Ahmad, Salam Aldawery | Biomass Conversion and Biorefinery | Q1 | Civil and Environmental Engineering |
| 3 | Sustainability for wastewater treatment: Bioelectricity generation and emission reduction | Anwar Ahmad | Journal of Water and Climate Change | Q1 | Civil and Environmental Engineering |
| 4 | Biodegradation of petroleum wastewater for the production of bioelectricity using activated sludge biomass | Anwar Ahmad, Sajjala Sreedhar Reddy | Journal of Environmental Health Science and Engineering | Q1 | Civil and Environmental Engineering |

Published Books and Book Chapter in Year: Academic Year 2021 – 2022

College of Engineering and Architecture

| # | Book/Chapter Title | Faculty Name | Book/Chapter Details | Department |
|---|---|------------------|--|-------------------|
| 1 | The Effects of Peat Modified Asphalt Binder Concentrations on Viscoelastic Properties | Abdalrhman Milad | Structural Integrity Cases in Mechanical and Civil Engineering | Civil Engineering |

International Conference Papers in Year: Academic Year 2021 – 2022

| College of Engineering and Architecture | | | | | |
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| # | Article Details عنوان الورقة | Faculty Name اسم المشارك | Department القسم | Conference Details اسم المؤتمر / الدولة / التاريخ | Fund قيمة التمويل |
| 1 | From Local to Global: The Typology of Road Nodes and its effect on the Morphology of the Traditional Urban Fabric | Samir Al Qeisi & Hoda Al Alwan | Architecture and Interior Design | 8th Engineering and 2nd International Conference for College of Engineering – University of Baghdad, Iraq, 24-25/11/2021 | - |
| 2 | "Towards Sustainable Design: Influence of pandemics on the Architectural Design and Urban Planning through the Ages" | Sofia Sebastian & Ravishankar K.R. | Architecture and Interior Design | The First International Conference on Environmental Sciences and Engineering for Sustainable Development University of Technology and Applied Sciences, Sohar Sultanate of Oman | - |
| 3 | Impact of image features on visual attention: An eye-tracking study | AMR MOHAMED | Architecture and Interior Design | Applied Human Factors and Ergonomics International (AHFE 22). New York - USA. 27.7.2022 | OMR 20000 |
| 4 | Effectiveness of thermal insulated concrete blocks in Oman | Said Saif Almaawali | Civil Engineering | I st International conference on Environmental Science and engineering for sustainable development. | Self |

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| | | | | Organized by UTAS, Sohar, 9-10-3-2022 | |
| 5 | Exploring the Road User Behaviour and Traffic Accidents among the Drivers in Muscat, Oman | Hussin A.M Yahia , Said Saif Salem AL Maawali , Shaban Ismael Albrka and Mohd Azizul Ladin | Civil Engineering | 8th International Conference on Transportation Systems Engineering and Management (CTSEM2021) CTR, NIT Calicut, India August 26-27, 2021 | Self |
| 6 | XRD investigations on compressive strength gain of UHPC subjected to various curing techniques” – | Aysha Haroon | Civil Engineering | International conference, ISEC EURO Med SEC-4, Leipzig, Germany, 20-25 June, 2022. | Partly funded by the university |
| 7 | Process for municipal wastewater treatment embracing the circular economy: emission reduction for cleaner production | Anwar Ahamad | Civil and Environmental Engineering | 10th International Conference On Recent Challenges In Engineering And Technology Indonesia, 22nd - 23rd June | |
| 8 | Treatment of petroleum wastewater for the production of bioelectricity | Anwar Ahamad, Alaya Said Senaidi | Civil and Environmental Engineering | First ESESD March 2022 | |
| 9 | Disinfection of treated wastewater using photo- oxidation process with artificial and natural UV radiation | Salam Al-Dawery and Sajjala S. Reddy | Chemical and Petrochemical Civil and Environmental Engineering | First International Conference on Environmental Sciences and Engineering for Sustainable Development, University of Technology and | TRC |

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| | | | | Applied Sciences, Sohar, 9-10-3-2022 | |
| 10 | Nasrellah Hassan | Aeid A. Abdulrazeg, Ali H. M. Azouwin, Mohamed A. S. Mohamed, Fatma Al Tamimi | Civil and Environment al Engineering | Soil Structure Interaction of Retaining Walls System | 1st Internatio nal Conferenc e of Engineeri ng Sciences March, 2022 Sirte Universit y - Sirte Libya |

National Conference Papers in Year: Academic Year 2021 – 2022

| College of Engineering | | | | | |
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| # | Article Details عنوان الورقة | Faculty Name اسم المشارك | Department القسم | Conference Details اسم المؤتمر / الدولة / التاريخ | Fund قيمة التمويل |
| 1 | The Diamond of Sunrise: A Beachside Resort Project at Ras Al Had | Bushra Badar Al-Kalbani and Samir Al Qeisi | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman /May 10th, 2022 | - |
| 2 | Blue Ocean Paradise: A Touristic Resort at Ras Al-Shajar | Safa Ali Almaqaimi and Samir Al Qeisi | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman /May 10th, 2022 | - |
| 3 | COMMERCE, LEISURE AND CULTURE: A MIXED-USE CENTER ON MAZOOON STREET | Safa Hamood Al-Toubi and Samir Al Qeisi | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman /May 10th, 2022 | - |
| 4 | “La Mosquée Transparent” : Marseille Islamic Cultural Centre | Safa Nasser Ali Al Azwani and Samir Al Qeisi | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman /May 10th, 2022 | - |
| 5 | “COMMERCIAL MIXED-USE BUILDING” COMMERCIAL & ADMINISTRATIVE MIXED-USE BUILDING IN AL-QURUM | Marwa Abdullah AL-Butrani & Mohammed Faisal AL-Kazee | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman /May 10th, 2022 | - |
| 6 | Quriyat ITC Project On the coast of Quriyat near the | SUMAYA SALIM SULAIMAN AL RAWAHI & | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects | - |

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| | port of Quriyat in the Governorate of Muscat | Mohammed Faisal Al kazee | | (NSEFYP)/ Oman /May 10th, 2022 | |
| 7 | Al Mehwar Consultation Office | Khulood Al Hadrami & Luai Al Jubori | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman /May 10th, 2022 | - |
| 8 | A Smart Elevator Control System | Dr. Ali Abdulhafidh Ali Yasmin Salim Al-Housni , Ibtisam Yaqoob Al Kharusi | Electrical and Computer Engg | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman /May 10th, 2022 | NA |
| 9 | PIEZOELECTRIC SENSOR IN ENERGY HARVESTING TECHNOLOGY | Mr.Mohamed Yousuf. and Mohammed Ghusn Yahya AL Hinaey | Electrical and Computer Engg | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman /May 10th, 2022 | |
| 10 | DISINFECTING AFLAJ WATER USING ADVANCED SOLAR OXIDATION PROCESSES | Sajjala Sreedhar Reddy Saada saif nasser al maqimi | Civil and Environmental Engineering | 11 th National symposium on Engineering Final Year Projects | — |
| 11 | Simulation Study on Flexural Behavior of High-Performance Reinforcement Concrete beam Under Static Loading | Dr Qadir Bux alias Imran Latif Nasrallah Hussein OMAR ABDELAZIZ | Civil and Environmental Engineering | 11 th National symposium on Engineering Final Year Projects | - |
| 12 | Correlations between stabilized soil properties and stabilizer content | Dr. Subhi Aziz Ali Al Ibrahim Noor AlAbri and Rihab AlYahmadi | Civil and Environmental Engineering | 11 th National symposium on Engineering Final Year Projects | |
| 13 | Effect of metals doped TiO ₂ composite on degradation of methylene blue | Asila Abdulaziz Al.Shukri, Fatema Abdullah Al.Yaaqubi, and Salam Al-Dawery | Chemical eng | 11 th National Symposium on Engineering Final Year Projects, 10th May, University of | UoN |

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| | | | | Nizwa, Sultanate of Oman | |
| 14 | METHANE PYROLYSIS AND STEAM REFORMING FOR HYDROGEN PRODUCTION USING COLD FLY JET PLASMA | Ibrahim AL-Ghafri, Musab AL-Marzoqi, Hazim Fadhil Abbas, Wameath Abdul Majed | Chemical eng | 11 th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 15 | Intensification of the Gases Produced From H ₂ O-CO ₂ Plasmolysis | Muna Musabah ALmamari , Moza Salim Alhasani, Wameath Abdul.Majeed , Hazim Fhdhil Abbas | Chemical eng | 11 th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |

Faculty – Students joint publications in Year: 2021 – 2022

| # | Faculty and Students Name | Journal details (Title, volume, issue, page.no, year, publisher, country) | Conference Details (title, date, organizer, city, country) | Department |
|---|--|--|--|----------------------------------|
| 1 | Bushra Badar Al-Kalbani and Samir Al Qeisi | | The Diamond of Sunrise: A Beachside Resort Project at Ras Al Had 11th National Symposium on Engineering Final Year Projects (NSEFYP), May 10th, 2022, UoN - Oman | Architecture and Interior Design |
| 2 | Safa Ali Almaqaimi and Samir Al Qeisi | | Blue Ocean Paradise: A Touristic Resort at Ras Al-Shajar 11th National Symposium on Engineering Final Year Projects (NSEFYP), May 10th, 2022, UoN - Oman | Architecture and Interior Design |
| 3 | Safa Hamood Al-Toubi and Samir Al Qeisi | | COMMERCE, LEISURE AND CULTURE: A MIXED-USE CENTER ON MAZOOON STREET 11th National Symposium on Engineering Final Year Projects (NSEFYP), May 10th, 2022, UoN - Oman | Architecture and Interior Design |
| 4 | Safa Nasser Ali Al Azwani and Samir Al Qeisi | | “La Mosquée Transparent” : Marseille Islamic Cultural Centre 11th National Symposium on Engineering Final | Architecture and Interior Design |

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| | | | Year Projects (NSEFYP), May 10th, 2022, UoN - Oman | |
| 5 | Marwa Abdullah AL-Butrani & Mohammed Faisal AL-Kazee | | COMMERCIAL & ADMINISTRATIVE MIXED-USE BUILDING IN AL- QURUM 11th National Symposium on Engineering Final Year Projects (NSEFYP), May 10th, 2022, UoN - Oman | Architectu re and Interior Design |
| 6 | SUMAYA SALIM SULAIMAN AL RAWAHI & Mohammed Faisal Al kazee | | Quriyat ITC Project On the coast of Quriyat near the port of Quriyat in the Governorate of Muscat 11th National Symposium on Engineering Final Year Projects (NSEFYP), May 10th, 2022, UoN - Oman | Architectu re and Interior Design |
| 7 | Khulood Al Hadrami & Luai Al Jubori | | Al Mehwar Consultation Office 11th National Symposium on Engineering Final Year Projects (NSEFYP), May 10th, 2022, UoN | Architectu re and Interior Design |
| 8 | Mohamed Yousuf and Mohammed Ghusn Yahya Al Hinae. | “Application of Piezoelectric Sensor in Energy Harvesting Technology for Pathway Sustainability” / International Journal of Engineering Research & Technology (IJERT) / Vol. 11 Issue 02/ P.No:283- 288/ Feb 2022 | | Electrical and Computer Engineeri ng |

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|-----------|---|--|--|-------------------------------------|
| 9 | Dr. Ali Abdulhafidh Ali, Yasmin Salim Al-Housni , Ibtisam Yaqoob Al Kharusi | | “A Smart Elevator Control System”, 11th National Symposium on Engineering Final Year Projects (NSEFYP), May 10th, 2022, UoN | Electrical and computer Engineering |
| 10 | Mr.Mohamed Yousuf. and Mohammed Ghusn Yahya AL Hinaey | - | PIEZOELECTRIC SENSOR IN ENERGY HARVESTING TECHNOLOGY 11th National Symposium on Engineering Final Year Projects (NSEFYP), May 10th, 2022, UoN | Electrical and Computer Engineering |
| 11 | Sreedhar Reddy and Najat Issa Al Balushi | Solar disinfection of treated urban wastewater: Development of a predictive mathematical model using two level factorial design,ARPN Journal of Engineering and Applied Sciences,. 10 January 2022. | | Civil and Environmental Engineering |
| 12 | Sreedhar Reddy and Najat Issa Al Balushi | Development of a predictive mathematical model using multi level factorial design for solar disinfection of treated urban wastewater,ARPN Journal of Engineering and Applied Sciences,. 20 February 2022 | | Civil and Environmental Engineering |
| 13 | Sreedhar Reddy and Saada saif nasser al maqimi | | DISINFECTING AFLAJ WATER USING ADVANCED SOLAR OXIDATION PROCESSES, 11 th National Symposium on Engineering Final Year Projects, 10 th May 2022 | Civil and Environmental Engineering |

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| 14 | Dr Qadir Bux alias Imran Latif Nasrallah Hussein OMAR ABDELAZIZ | | Simulation Study on Flexural Behavior of High-Performance Reinforcement Concrete 11 th National Symposium on Engineering Final Year Projects, 10 th May 2022 | Civil and Environm ental Engineeri ng |
| 15 | Dr. Subhi Aziz Ali Al Ibrahim Al-Hussien Al- Hoqani | “Strength and compaction behaviors of soil reinforced by using randomly distributed date seeds.” Int. Journal of Innovation in Engineering and Technology, I.F = 0.672 issued: 30/9/2021 | | Civil and Environm ental Engineeri ng |
| 16 | Dr. Subhi Aziz Ali Al Ibrahim Noor AlAbri and Rihab AlYahmadi | “Effects of stabilizer content on soil properties - Review and correlation” American Journal of Engineering Research, Vol.11, Issue 08, SJIF: 6.456, Open Access | | Civil and Environm ental Engineeri ng |
| 17 | Dr. Subhi Aziz Ali Al Ibrahim Noor AlAbri and Rihab AlYahmadi | | “Correlations between stabilized soil properties and stabilizer content” !!th National Symposium on Engineering Final Year projects, 10th May, 2022 | Civil and Environm ental Engineeri ng |
| 18 | Asila Abdulaziz Al.Shukri, Fatema Abdullah Al.Yaaqubi and Salam Al-Dawery | | Effect of metals doped TiO2 composite on degradation of methylene blue. 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa | Chemical eng |

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| 19 | Muna Musabah ALmamari , Moza Salim Alhasani, Wameath Abdul.Majeed , Hazim Fhdhil Abbas | | Intensification of the Gases Produced From H2O-CO2 Plasmolysis 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, | |
| 20 | Ibrahim AL- Ghafri, Musab AL-Marzoqi, Hazim Fadhil Abbas, Wameath Abdul Majeed | | Reforming for Hydrogen production using cold fly jet plasma 11th National Symposium on Engineering Final Year Projects (NSEFYP), May 10th, 2022, UoN | |
| 21 | Sreedhar Reddy, Najat Issa Al Balushi Salam K.Al Dawery Anwar ahmed | Optimization of solar disinfection considering log reduction values (LRV) for treated urban wastewater Environmental Engineering, May 2022 | | Civil and Environm ental Engineeri ng |
| 22 | Aisha Rashid, Salam A. Mohammed Ali , Hazim F Abbas, Noof Khalid , Emad Yousif , Sausan Alyaqoobi , Khamis Al Riami Mohammed AbdulHakim AlSaadi , Noor | Study NiO Nanoparticles with Different Surface Morphologies on PET Pyrolysis Kinetic Parameters Biointerface Research in Applied Chemistry June 2022 | | Chemical eng |

Conference Attendance

International Conferences in Year: Academic Year 2021 – 2022

| College of Engineering and Architecture | | | | |
|---|--|----------------------------------|---|----------------------|
| # | Faculty Name اسم المشارك | Department القسم | Conference Details اسم المؤتمر / الدولة / التاريخ | Fund قيمة التمويل |
| 1 | Samir Al Qeisi | Architecture and Interior Design | 8th Engineering and 2nd International Conference for College of Engineering – University of Baghdad, Iraq, 24-25/11/2021 | - |
| 2 | Sofia Sebastian | Architecture and Interior Design | The First International Conference on Environmental Sciences and Engineering for Sustainable Development University of Technology and Applied Sciences, Sohar Sultanate of Oman 9-10 March 2022 | |
| 3 | Ravishankar K.R. | Architecture and Interior Design | The First International Conference on Environmental Sciences and Engineering for Sustainable Development University of Technology and Applied Sciences, Sohar Sultanate of Oman 9-10 March 2022 | |
| 4 | Dr. Mamdouh I Zaky Galil | Architecture and Interior Design | International sustainability resources and technology conference under the patronage of Oman sustainable week - PDO & ministry of Energy and networks. | 57 OMR |
| 5 | Dr. Amr Mohamed | Architecture and Interior Design | Applied Human Factors & Ergonomics International Conference- AHFE2022 26- 27th of July 2022. | 114 OMR |
| 6 | Dr Ahmed Said Al Busaidi (Keynote speaker) | Electrical and computer Eng | INDIA, Recent Advances In Electrical, Electronics And Communication Networks” (ICRAEECN 2022) | NA (ONLINE) |
| 7 | Dr. Munaf Salim | Electrical and computer Eng | INTERNATIONAL MODERN SCIENTIFIC RESEARCH CONFERENCE, Turkey, Istanbul May 6-8 2022 | NA (ONLINE) |
| 8 | Mr. Mohamed Yousuf | Electrical and computer Eng | “The Sharjah International Conference on Education in Post Covid-19” / University of Sharjah, March 2022 | NA (Online) |

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| 9 | Dr Ahmed Said Al Busaidi | Electrical and computer Eng | Smart Grids: From Renewable Sources to Machine Learning EIT Technical Topics Webinar by Engineering Institute of Technology | NA (ONLINE) |
| 10 | Dr Hussein Al Abdulqader | Electrical and computer Eng | QS Higher Ed Summit - Middle East & Africa 2022 (MAPLE) / UAE- Dubai 1-3-2022 | NA (ONLINE) |
| 11 | Salam Al-Dawery | Chem | First International Conference on Environmental Sciences and Engineering for Sustainable Development, March, University of Technology and Applied Sciences, Sohar, Sultanate of Oman | |
| 12 | Dr Anwar Ahmed | Civil and Environmental Engineering | First International Conference on Environmental Sciences and Engineering for Sustainable Development, March, University of Technology and Applied Sciences, Sohar, Sultanate of Oman | |
| 13 | Said Saif Almaawali | Civil and Environmental Engineering | First International Conference on Environmental Sciences and Engineering for Sustainable Development, March, University of Technology and Applied Sciences, Sohar, Sultanate of Oman | |
| 14 | Sreedhar Reddy | Civil and Environmental Engineering | First International Conference on Environmental Sciences and Engineering for Sustainable Development, March, University of Technology and Applied Sciences, Sohar, Sultanate of Oman | |
| 15 | Sri Hari Kumar Annamareddy | Chemical Engineering | International Research Symposium on Innovative Research in Higher Education (IRSIRHE '22), held on 31st March 2022, Muscat College, in association with Panimalar Institute of Technology, India. | |
| 16 | Sri Hari Kumar Annamareddy | Chemical Engineering | International Sustainability Resources & Technology Conference 2022, held from 14th to 16th March 2022. | 55 OMR |
| 17 | Salam Al-Dawery | Chem | QS Higher Ed Summit - Middle East & Africa 2022 (MAPLE) / UAE- Dubai | |

Conference Attendance

National Conferences in Year: Academic Year 2021 – 2022

| College of Engineering and Architecture | | | | |
|---|-----------------------------|----------------------------------|---|----------------------|
| # | Faculty Name اسم المشارك | Department القسم | Conference Details اسم المؤتمر / الدولة / التاريخ | Fund قيمة التمويل |
| 1 | Dr. M. Faisal Al Kazee | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman | - |
| 2 | Dr. Luai Al Jubori | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman | - |
| 3 | Samir Al Qeisi | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman | - |
| 4 | Sofia Sebastian | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman | - |
| 5 | Ravishankar K.R. | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman | - |
| 6 | Dr. Mamdouh I Zaky Galil | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman | - |
| 7 | Dr. Amr Mohamed | Architecture and Interior Design | 11th National Symposium on Engineering Final Year Projects (NSEFYP)/ Oman | - |
| 8 | Dr Ahmed Said Al Busaidi | Electrical and computer Eng | International Sustainability, resources and Technology Conference (ISRTC) | OMR 55 |
| 9 | Dr Ahmed Said Al Busaidi | Electrical and computer Eng | The National Symposium on Engineering Final year Projects (11th NSEFYP) | — |

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| 10 | Dr Munaf Salim | Electrical and computer Eng | The National Symposium on Engineering Final year Projects (11th NSEFYP) | |
| 11 | Mr. Mohamed Yousuf | Electrical and computer Eng | The National Symposium on Engineering Final year Projects (11th NSEFYP) | |
| 12 | Mr. Atef Abusalim | Electrical and computer Eng | The National Symposium on Engineering Final year Projects (11th NSEFYP) | - |
| 13 | Dr. Ali Abdulhafidh Ali | Electrical and computer Eng | The National Symposium on Engineering Final year Projects (11th NSEFYP) | NA |
| 14 | Dr Hussein Al Abdulqader | Electrical and computer Eng | Green Hydrogen Summit Oman/ Oman - Muscat / 29-11-2021 | ---- |
| 15 | Dr Hussein Al Abdulqader | Electrical and computer Eng | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 16 | Sajjala Sreedhar Reddy | Civil and Environmental Engineering | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | – |
| 17 | Sajjala Sreedhar Reddy | Civil and Environmental Engineering | The International Sustainability Resources & Technology Conference 2022(ISRTC-2022), 14-16 March 2022, Muscat, Oman | University of Nizwa |
| 18 | Dr Qadir Bux alias Imran Latif | Civil and Environmental Engineering | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 19 | Mr. Jawad Al Lawati | Civil and Environmental Engineering | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 20 | Sajjala Sreedhar Reddy | Civil and Environmental Engineering | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | – |
| 21 | Moad Alostha | Civil and Environmental Engineering | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |

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| 22 | Dr. Subhi Aziz Ali Al Ibrahim | Civil and Environmental Engineering | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 23 | Salam Al- Dawery | chem eng | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 24 | Wameath S. AbdulMajeed | chem eng | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 25 | Yasir A. ElShiekh | chem eng | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 26 | Qazi Nasir | chem eng | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 27 | Hazim F. Abbas | chem eng | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 28 | Salam A. Mohammed | chem eng | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 29 | Sri Hari Kumar Annamareddy | chem eng | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 30 | Mohammed Ashfaq | chem eng | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 31 | Khalid Al Hosni | chem eng | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 32 | Abdulhakim Al Hinai | chem eng | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |

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| 33 | Yasir Elsheikh | chem eng | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |
| 34 | Dr. Nasrellah Hassan | Civil and Environmental Engineering | 11th National Symposium on Engineering Final Year Projects, 10th May, University of Nizwa, Sultanate of Oman | |

Seminars delivered in Year: Academic Year 2021 – 2022

College of Engineering and Architecture

| # | Title of the seminar اسم الندوة | Presenter المقدم | Dept./section القسم | Date التاريخ |
|----|---|------------------------------------|---|-----------------|
| 1 | Virtual Reality - A New Educational Tool | Dr. Amr Mohammed Adulkader | Architecture and Interior Design | 30-09- 2021 |
| 2 | Enhance Studies Utilizing Brain Means and Methods | Dr. Qadir Bux alias Imran Latif | Civil and Environmental Engineering | 17-10- 2021 |
| 3 | Sustainable Development Challenges for Oil & Gas Company in Terms of Increasing Produced Water Rates | Dr. Salam Kadhim Al- Dawery | Chemical | 4-11-2021 |
| 4 | 2020 Global Renewable energy analysis with COVID-19 | Dr. Ahmed Said Obaid Albusaidi | Electrical and computer Eng | 17-11- 2021 |
| 5 | Climate responsive design | Dr Wael A. Khudhayer | Architecture and Interior Design | 16-12- 2021 |
| 6 | Expert System for Engineering Needs as Decision Maker | Dr. Abdalrhman Milad | Civil and Environmental Engineering | 23-12- 2021 |
| 7 | Architecture +more | Dr. Luai Ali Al Jubori | Architecture and Interior Design | 30-12- 2021 |
| 8 | QS ranking overview and beyond | Dr. Hussein Kadhém | Electrical and computer Eng and Sohar University | 10-2-2022 |
| 9 | Engineering of the Aflaj of Oman | Dr. Abdullah Al- Ghafri, | UNESCO Chair on Aflaj Studies- Archeohydrology | 17-3-2022 |
| 10 | Towards sustainable design: influence of pandemics on architecture design and urban planning through the ages | Mrs Sofia Sabastian | Architecture and Interior Design | 24-3-2022 |

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| 11 | Bexel | Bexel Manager | Civil and Environmental Engineering | 7-4-2022 |
| 12 | Architectural conservation challenges, Case of Omani Harrath | Mrs. Nasreen Kauser | Architecture and Interior Design | 23-07-2022 |
| 13 | Reimagining the Historical Meat Market of Bangalore Marchitecture-Meat up in pete | Mrs. Nasreen Kauser | Architecture and Interior Design | 02-07-2022 |
| 14 | Enhance Studies Utilizing Brain Means and Methods, COE, UON | Dr Qadir Bux alias Imran Latif | Civil and Environmental Engineering | 17-10-2021 |
| 15 | Enhance studies Utilizing Brain Means and Methods Sohar University | Dr Qadir Bux alias Imran Latif | Civil and Environmental Engineering | 07-11-2021 |
| 16 | How to Improve Your Studies Using Mental Techniques, MPRC, UTHM | Dr Qadir Bux alias Imran Latif | Civil and Environmental Engineering | 20-05-2021 |
| 17 | Beginnings step, Hosted by Biotech student association, UoN | Mr. Jawad Al Lawati | Civil and Environmental Engineering | 28-2-2022 |
| 18 | The wrong practice in construction works | Eng. Mohammed Hajo | Amr office for engineering consultation – Muscat | 22-3-2022 |
| 19 | New communications Technology 5G | Eng. Saif AL Shukhri | Ooredoo Communication Company | 22-3-2022 |
| 20 | Using modern programing in the Chemical Engineering Designs | Qazi Nasir | UoN | 22-3-2022 |
| 21 | Modern applications of solar energy | Dr.Haila AL Nasri | Oman Power and Water Company | 22-3-2022 |

Workshops delivered in Year: 2021 – 2022

| College of Engineering and Architecture | | | | | |
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| # | Workshop Title عنوان ورشة العمل | Speaker/Faculty Name مقدم الورشة | Organized by الجهة المنظمة | Date From-To التاريخ | Location مكان الورشة |
| 1 | Risk management | Dr. Mamdouh I Zaky Galil | College of Engineering & Architecture | 24 - October 2021 | Online |
| 2 | Exploring the QTLMS ANNUAL COLLEGE GENERAL WORKSHOP for the Academic Year 2021- 2022 | Dr Hussein Al Abdulqader | CEA | 20th October 2021 | Online |
| 3 | Workshop on ECE OPERATIONAL PLAN | Dr Ahmed + Dr Munaf | ECE | 29th March 2022 | Meeting room |
| 4 | Workshop on MultiSim and Electronic circuit design | Dr. Ali Abdulhafidh and Engineer Ruqaya Maawali | ECE | 26th Dec.2021 | Lab G17 |
| 5 | New UoN Academic Promotion Regulations and Guidelines, 4th annual CEA workshop | Dr. Subhi Aziz Ali Al Ibrahim | College of Engineering and Arch. , UoN | 20/10/2021- 24/10/2022 | College of Engineering and Arch. , UoN |
| 6 | ABET accreditation criteria and requirement | Anwar Ahmad | College of Engineering and Arch. , UoN | February 2022 | College of Engineering and Arch. , UoN |
| 7 | OAAA documentation and required criteria for accreditation | Anwar Ahmad | College of Engineering and Arch. , UoN | 20/10/2021- 24/10/2022 | College of Engineering and Arch. , UoN |

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| 8 | Institutional programme accreditation-implication FOR heis vs | Anwar Ahmad | College of Engineering and Arch. , UoN | March 2022 | College of Engineering and Arch. , UoN |
| 9 | workshop with dignitaries on OAAA documents readiness and exposure | Anwar Ahmad | College of Engineering and Arch. , UoN | 15/3/2022 | College of Engineering and Arch. , UoN |
| 10 | EIDAD WORKSHOP | Hamad Al Hadhrami Said AL Maawali | PDO | 3/3/2022 | College of Engineering and Arch. , UoN |
| 11 | Workshop on the Operational Plan Management e-System | Anwar Ahmad | College of Engineering and Arch. , UoN | January 2022 | UON |
| 12 | An Introductory Workshop on Computational Fluid Dynamics | Dr. Wameath Shawqi AbdulMajeed | CEA/ Chemical & Petr. Eng. Dept. | 16 March 2022 presented to chemical Eng. Students | 5C-3 |
| 13 | Research and publications Guidelines, 4th annual CEA workshop | Salam Al-Dawery | College of Engineering and Arch. , UoN | 20/10/2021-24/10/2022 | College of Engineering and Arch. , UoN |
| 14 | Academic Ethics and Academic Misconduct and Graduation Project Guidelines Implementation | Dr. Nasrellah Hassan | College of Engineering and Arch. , UoN | 20/10/2021-24/10/2022 | College of Engineering and Arch. , UoN |
| 15 | Detection by Covid-19 program in real Engineering | Eng. Hameed Hafdaz | Al Mahour eng consultant Muscat | 22-3-2022 | College of Engineering and Arch. UoN |

Seminars Attended in Year: 2021 – 2022

| # | Title of the seminar | Seminar details Presenter, date, place, internal, external | Faculty name | Department |
|---|--|--|--|------------|
| 1 | Virtual Reality - A New Educational Tool | Dr. Amr Mohammed Adulkader 30-09-2021 Arch | 1 Dr.Hussein Ali Ahmed Al Abdulqader 2 Dr.Ahmed AL Busaidi 3 Dr.Luai Ali AL-Jubori 4 Dr.Said AL Maawali 5 Dr.Abdalrahman Milad 6 Raviwdra dharamshi 7 S.S Reddy 8 Dr. Sri Hari Kumar Annamareddy 9 Dr.Mohammed Faisal Al-Kazee 10 Dr.Wameath Sh.Abdul-Majeed 11 Dr. Nasrellah Hassan 12 Dr.Salam KhadhimHasan 13 Dr.Subhi Azeez Ali AL Ibrahim 14 Mr.Samir AL Qeisi 15 Mr.Ravishankar K.R 16 Dr.Mamdouh Ibrahim Zaky 17 Dr.Yasir 18 Eng.Aysha Haroon 19 Mrs.Sofia Sebastian 20 Mr.Mohamed s. Yousuf 21 Dr.Qazi 22 Dr. Imran Lateef Qureshi 23 Mr.MOHAMMED ASHFAQ 24 Dr.Ali Abdulhafidh Ali 25 Mr.Wael 26 Dr.Anwar Ahmed 27 Mr.ATEF ABDULKAREEM ABUSALIM | All |

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| 2 | Enhance Studies Utilizing Brain Means and Methods | Dr. Qadir Bux alias Imran Latif 17-10-2021 Civil | 1 Dr.Hussein Ali Ahmed Al Abdulqader 2 Dr.Ahmed AL Busaidi 3 Dr.Luai Ali AL-Jubori 4 Dr.Said AL Maawali 5 S.S Reddy 6 Dr. Sri Hari Kumar Annamareddy 7 Dr.Salam KhadhimHasan 8 Mr.Samir AL Qeisi 9 Mr.Ravishankar K.R 10 Mr.Mohamed s. Yousuf 11 Dr.Ali Abdulhafidh Ali 12 Mr.Wael 13 Mr.ATEF ABDULKAREEM ABUSALIM 14 Dr.Munaf excused 15 Dr.Amr Mohammed 16 Mrs.Sofia Sebastian 17 Eng.Asiya AL Alawai 18 Hiba Rashid student 19 Batoo Hamdan student 20 AL Shahdaa AL Aamri student 21 Rayan AL Jahwari student 22 Ghadeer Naseer student 23 Jahad Al Abri student 24 Sauda Said student 25 Zakya AL Hatmi student | All |
| 3 | Sustainable Development Challenges for Oil & Gas Company in Terms of Increasing Produced Water Rates | Dr. Salam Kadhim Al-Dawery 4-11-2021 Chemical | 1 Dr.Hussein Ali Ahmed Al Abdulqader 2 Dr.Ahmed AL Busaidi 3 Dr.Luai Ali AL-Jubori 4 Dr.Said AL Maawali 5 Dr.Amr 6 Dr.Munaf 7 S.S Reddy 8 Dr. Sri Hari Kumar | All |

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| | | | <p>Annamareddy</p> <p>9 Dr.Mohammed Faisal Al-Kazee</p> <p>10 Dr.Wameath Sh.Abdul-Majeed</p> <p>11 Dr. Nasrellah Hassan</p> <p>12 Dr.Salam KhadhimHasan</p> <p>13 Dr.Subhi Azeez Ali AL Ibrahim</p> <p>14 Mr.Samir AL Qeisi</p> <p>15 Mr.Ravishankar K.R</p> <p>16 Dr.Mamdouh Ibrahim Zaky</p> <p>17 Dr.Yasir</p> <p>18 Eng.Aysha Haroon</p> <p>19 Mrs.Sofia Sebastian</p> <p>20 Mr.Mohamed s. Yousuf</p> <p>21 Dr.Qazi</p> <p>22 Mrs.Aisha AL Abri</p> <p>23 Mr.MOHAMMED ASHFAQ</p> <p>24 Dr.Ali Abdulhafidh Ali</p> <p>25 Mr.Wael</p> <p>26 Dr.Anwar Ahmed</p> <p>27 Mr.ATEF ABDULKAREEM ABUSALIM</p> <p>28 Mrs.Anju</p> <p>29 Mr.Moad</p> <p>30 Dr.Hazim</p> <p>31 Mr.Naser AL Kindi</p> | |
| 4 | 2020 Global Renewable energy analysis with COVID-19 | <p>Dr. Ahmed Said Obaid Albusaidi</p> <p>17-11-2021</p> <p>elec</p> | <p>1 Dr.Hussein Ali Ahmed Al Abdulqader</p> <p>2 Aisha Mohammed Al Abri</p> <p>3 Dr.Luai Ali AL-Jubori</p> <p>4 Dr.Amr Mohammed Abdelkader</p> <p>5 Dr.Wael A .Khudhayer</p> <p>6 Dr.SajjalaSreedhar Reddy</p> <p>7 Dr.Subhi Azeez Ali AL Ibrahim</p> <p>8 Dr. Nasrellah Hassan</p> <p>9 Dr.SAID SAIF SALEM AL MAAWALI</p> <p>10 Dr.Anwar Ahmed</p> <p>11 Mr.MOAD MOHAMMED ABDALSALAM ALOSTA</p> | All |

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| | | | 12 Eng.Aysha Haroon 13 Dr.Ahmed AL Busaidi 14 Dr.Ali Abdulhafidh Ali 15 Dr.Munaf Salim 16 Mr.Mohamed s. Yousuf 17 Mr.Atef A.Abusalim 18 Dr.Wameath Sh.Abdul-Majeed 19 Dr. Hazim Fadhil 20 Dr.Salam A.Mohammed 21 Dr. Yasir Ali Elsheikh Elfadol 22 Dr.Qazi Nasir 23 Mr.MOHAMMED ASHFAQ MOHAMMED SHAIKH 24 Eng.Mohammed Nasser Al Busaidi 25 Dr.Abdalrahman Milad 26 Dr.Salam KhadhimHasan 27 Dr.Mamdouh Ibrahim Zaky | |
| 5 | Climate responsive design | Dr Wael A. Khudhayer 16-12-2021 Arch | 1 Dr.Hussein Ali Ahmed Al Abdulqader 2 Dr.Ahmed AL Busaidi 3 Dr.Luai Ali AL-Jubori 4 Dr.Said AL Maawali 5 Dr.Amr 6 Dr.Munaf 7 S.S Reddy 8 Dr. Sri Hari Kumar Annamareddy 9 Dr.Mohammed Faisal Al-Kazee 10 Dr.Wameath Sh.Abdul-Majeed 11 Dr. Nasrellah Hassan 12 Dr.Salam Khadhim Hasan 13 Dr.Subhi Azeez Ali AL Ibrahim 14 Mr.Samir AL Qeisi 15 Mr.Ravishankar K.R 16 Dr.Abdul Rahman Milad 17 Dr. Yasir 18 Eng.Aysha Haroon | All |

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| | | | 19 Mrs.Sofia Sebastian 20 Mr.Mohamed s. Yousuf 21 Dr.Qazi 22 Mrs.Aisha AL Abri 23 Mr.MOHAMMED ASHFAQ 24 Dr.Ali Abdulhafidh Ali 25 Mrs.Nasreen 26 Dr.Anwar Ahmed 27 Mr.ATEF ABDULKAREEM ABUSALIM 28 Mrs.Anju 29 Mr.Moad 30 Dr.Hazim 31 Dr.Ali Hussein AL.Lwati 32 Mrs.Wafa AL Haidifi 33 Dr.Qadir | |
| 6 | Expert System for Engineering Needs as Decision Maker | Dr. Abdalrhman Milad 23-12-2021 Civil | 1 Dr.Hussein Ali Ahmed Al Abdulqader 2 Dr.Wael 3 Dr.Luai Ali AL-Jubori 4 Dr.Said AL Maawali 5 Dr.Amr 6 Dr.Munaf Excuse 7 S.S Reddy 8 Dr. Sri Hari Kumar Annamareddy 9 Dr.Mohammed Faisal Al- Kazee 10 Dr.Wameath Sh.Abdul- Majeed 11 Dr. Nasrellah Hassan 12 Dr.Salam Khadhim Hasan 13 Dr.Subhi Azeez Ali AL Ibrahim Excuse 14 Mr.Samir AL Qeisi 15 Dr.Salam Mohammed 16 Dr.Mamdouh Zaki 17 Dr.Yasir 18 Mr.Jawad AL Lwati 19 Mr.Mohamed s. Yousuf 20 Dr.Qazi 21 Mr.MOHAMMED ASHFAQ | All |

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| | | | 22 Dr.Ali Abdulhafidh Ali 23 Dr.Anwar Ahmed 24 Mr.ATEF ABDULKAREEM ABUSALIM 25 Dr.Hazim 26 Dr.Qadir | |
| 7 | Architecture +more | Dr. Luai Ali Al Jubori 30-12-2021 Arch | 1 Dr.Hussein Ali Ahmed Al Abdulqader 2 Dr.Ahmed AL Busaidi 3 Dr.Luai Ali AL-Jubori 4 Dr.Said AL Maawali 5 Dr.Amr 6 Dr.Munaf 7 S.S Reddy 8 Dr.Mamdouh Zaki 9 Dr.Mohammed Faisal Al- Kazee 10 Dr.Wameath Sh.Abdul- Majeed 11 Dr. Nasrellah Hassan 12 Dr. Salam Khadhim Hasan 13 Dr.Subhi Azeez Ali AL Ibrahim 14 Mr.Samir AL Qeisi 15 Mr.Ravishankar K.R 16 Dr.Abdul Rahman Milad 17 Eng.Mohammed AL Busaidi 18 Eng.Aysha Haroon 19 Mrs.Sofia Sebastian 20 Mr.Mohamed s. Yousuf 21 Mr.Hussam AL Dughaishi 22 Mrs.Aisha AL Abri 23 Mrs.Ahlam AL Rumaidhi 24 Mrs.Zeyana AL Manni 25 Mrs.Nasreen 26 Dr.Anwar Ahmed 27 Mr.ATEF ABDULKAREEM ABUSALIM 28 Dr.Hazim 29 Dr.Qadir 30 Ahmed Ammar student: 31 Usaid Lua Ali student: 32 Kauthar Ahmed student: | All |

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| | | | 33 Maryam AL Hatmi student: 34 Fatma Mohammed student: 35 Mallak AL Badi student: 36 Anwar AL Jahwari student | |
| 8 | QS ranking overview and beyond | Dr. Hussein Kadhem 10-2-2022 Sohar University | Dr.Hussein Ali Ahmed Al Abdulqader Dr.Ahmed AL Busaidi Dr.Luai Ali AL-Jubori Dr.Said AL Maawali Dr.Abdalrahman Milad Mr Moad S.S Reddy Dr. Sri Hari Kumar Annamareddy Dr.Mohammed Faisal Al-Kazee Dr.Hazim Dr. Nasrellah Hassan Dr.Salam KhadhimHasan Dr.Subhi Azeez Ali AL Ibrahim Mr.Samir AL Qeisi Dr Amr Dr.Mamdouh Ibrahim Zaky Dr.Munaf Eng.Aysha Haroon 1 Dr.Salam Mohammed Mr.Mohamed s. Yousuf Dr.Qazi Dr. Imran Lateef Qureshi Mr.MOHAMMED ASHFAQ Mr Jawad Mr.Wael Dr.Anwar Ahmed Mrs Aisha AL Abri Jamal AL Salmi | All |
| 9 | Engineering of the Aflaj of Oman | Dr. Abdullah Al-Ghafri, 17-3-2022 UNESCO Chair on Aflaj Studies- Archeohydrology | 1 Dr.Hussein Ali Ahmed Al Abdulqader 2 Dr.Ahmed AL Busaidi 3 MS Amna AL Harasi 4 Dr.Said AL Maawali 5 Dr.Abdalrahman Milad 6 Mr Moad 7 S.S Reddy | All |

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| | | | 8 Dr. Sri Hari Kumar Annamareddy 9 MR Ali Hussein AL Lawati 10 Dr.Yasir 11 Dr. Nasrellah Hassan 12 Dr.Salam KhadhimHasan 13 Mr Hussam Khamis 14 Mr.Samir AL Qeisi 15 Mr Mohammed AL Busaidi 16 Mr Wael 17 Dr.Anwar Ahmed 18 Eng.Aysha Haroon 19 Mr Jawad 20 Mr.Mohamed s. Yousuf 21 Dr.Qazi 22 Mr.MOHAMMED ASHFAQ | |
| 10 | Towards sustainable design: influence of pandemics on architecture design and u5rban planning through the ages | Mrs Sofia Sabastian 24-3-2022 architecture | 1 Dr.Hussein Ali Ahmed Al Abdulqader 2 Dr.Ahmed AL Busaidi 3 Dr.Luai Ali AL-Jubori 4 Dr.Said AL Maawali 5 Mr Moad 6 S.S Reddy 7 Dr. Sri Hari Kumar Annamareddy 8 Dr.Mohammed Faisal Al- Kazee 9 Dr. Nasrellah Hassan 10 Dr.Salam KhadhimHasan 11 Dr.Subhi Azeez Ali AL Ibrahim 12 Dr Amr 13 Dr.Mamdouh Ibrahim Zaky 14 Eng.Aysha Haroon 15 Mr.Mohamed s. Yousuf 16 Dr.Qazi 17 Dr. Ali 18 Mr.MOHAMMED ASHFAQ 19 Mr.Wael 20 Dr.Anwar Ahmed | All |

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|----|-------|--|--|-----|
| | | | 21 Mr Ravishankar 22 Dr Wameath 23 Mrs Nasreen Kauses 24 Dr Yasir Ali 25 Mr Atef | |
| 11 | Bexel | Bexel Manager 7-4-2022 Civil | 1)Jawad Al Lawati (Host) 2) Abdulrahman Milad 3) Aisha Al Abri 4) Ali Abdulhafidh Ali 5) Anju 6) Anwar Ahmed 7) Aysha Haroon 8) Hazim Fadhil 9) Hussam Al Dughaishi 10) Dr. Hussein Ali 11) Luai Al Jubori 12) Mohamed s. Yousuf 13) Mohammed Ashfaq 14) Nasrellah Ahmed 15) Qadir Imran 16) Qazi Nasir 17) Ravishankar 18) Said Al Maawali 19) Dr. Sajjala Reddy 20) Salam Al Dawery 21) Samir Al Qeisi 22) Sri Hari Kumay | All |

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|--|--|--|---|--|
| | | | 23) Subhi Azeez 24) Wael A. Khudhayer 25) Yasir Elfadol 26) Moad Alostta 27) Munaf Salim 28) Mohammed Faisal Ghazi 29) Amr Mohammed | |
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Workshop Attended in Year: 2021 – 2022

| # | Title of the workshop | Workshop details Presenter, date, place, internal, external | Faculty name | Dept./section |
|---|--|---|-----------------------|-------------------------------------|
| 1 | Sustainable Architecture Techniques. Natural Building Materials | Ar. Avantika Jan 21st to Jan 25th of 2022 EXTERNAL | Ms. Nasreen Kauser | Architecture and Interior design |
| 2 | “SVAGRIHA” Green rating for Integrated Habitat Assessment | “Griha Council” in <u>association with</u> <u>Indian Institute of</u> <u>Architects Northern</u> <u>Chapter</u> <u>Sept 25th 2021</u> <u>EXTERNAL</u> | Ms. Nasreen Kauser | Architecture and Interior design |
| 3 | Institutional Standard Assessment (ISA) Workshop | Presented by Oman Academic Authority Accreditation (OAAA) | Dr. Amr Mohamed | Architecture and Interior design |

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|----|---|--|---------------------|-------------------------------------|
| | | 26-27th January 2022 OAAA Building - Muscat - External | | |
| 4 | Smart grids: Oman and beyond | ONLINE, Mr Alla Al lawati, 8 th Marh 2022 | Dr Ahmed Al Busaidi | Electrcail and computer engineering |
| 5 | Webinar on intellectual property: | <u>ONLINE, Mr Moahmed Al Zuhaimi, 6th Feb 2022</u> | Dr Ahmed Al Busaidi | Architecture and Interior design |
| 6 | Introduction to Simulink for System Modeling and Simulation | Online “ Mathworks Inc.) April 17 2022 | Dr. Munaf salim | Electrical and Computer Engineering |
| 7 | Webinar MATLAB EXPO 2022 | Online “ Mathworks Inc.) 17-18 May 2022 | Dr. Munaf salim | Electrical and Computer Engineering |
| 8 | Webinar Teaching with VEX 123 | Online (VEX Robotics) March 16th | Dr. Munaf salim | Electrical and Computer Engineering |
| 9 | WORKSHOP ON ECE OPERATIONAL PLAN (FALL 2020 – SPRING 2025) | Online,Dr. Ahmed Al busaidi & Dr. Munaf Salim, 29/3/2022 | Dr. Ali Abdulhafidh | Electrical and Computer Engineering |
| 10 | ANNUAL COLLEGE GENERAL WORKSHOP , Academic Year 2021-2022 | College of Engineering,UON 20/10/2021 | Dr. Ali Abdulhafidh | Electrical and Computer Engineering |
| 11 | ACADEMIC PROGRAM REVIEW | Office of the Vice-Chancellor for Academic Affairs, UON,14/10/2021 | Dr. Ali Abdulhafidh | Electrical and Computer Engineering |

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| 12 | The outcome alignment system of CLO,PO and GGA | Tilal Eltayeb Elshiekh,UON, 14/4/2022 | Dr. Ali Abdulhafidh | Electrical and Computer Engineering |
| 13 | ANNUAL COLLEGE GENERAL WORKSHOP for the Academic Year 2021-2022 | College of Engineering,UON 20/10/2021 | Dr. Ahmed Said AL Busaidi | Electrical and Computer Engineering |
| 14 | Special Workshop on Academic Program Review and Graduation Project | Office of the Vice-Chancellor for Academic Affairs, UON,14/10/2021 | Dr. Ahmed Said AL Busaidi | Electrical and Computer Engineering |
| 15 | Workshop in using the e system to find the outcome alignment system of CLO,PO and GGA | Tilal Eltayeb Elshiekh,UON, 14/4/2022 | Dr. Ahmed Said AL Busaidi | Electrical and Computer Engineering |
| 16 | ACADEMIC PROGRAM REVIEW | Office of the Vice-Chancellor for Academic Affairs, UON,14/10/2021 | Mr. Mohamed Yousuf | Electrical and Computer Engineering |
| 17 | Operational Plan Management e-System Workshop | DPQM / UoN / 13.2.2022 | Mr. Mohamed Yousuf | Electrical and Computer Engineering |
| 18 | Academic KPIs Workshop | R&R / UoN /14.4.20200 | Mr. Mohamed Yousuf | Electrical and Computer Engineering |
| 19 | ICT | Turku university of Applied Science - Finland / 30.8.2022 | Mr. Mohamed Yousuf | Electrical and Computer Engineering |
| 20 | ANNUAL COLLEGE GENERAL WORKSHOP , Academic Year 2021-2022 | College of Engineering,UON 20/10/2021 | Dr. Hussein Al Abdulqader | Electrical and Computer Engineering |
| 21 | ACADEMIC PROGRAM REVIEW AND GRADUATION PROJECT GUIDELINES | Prof Dr Abdulaziz AlKindi 7-10-2021 | Dr. Hussein Al Abdulqader | Electrical and Computer Engineering |

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| 22 | The outcome alignment system of CLO,PO and GGA | Tilal Eltayeb Elshiekh,UON, 14/4/2022 | Dr. Hussein Al Abdulqader | Electrical and Computer Engineering |
| 23 | What helps to achieve institutional Accreditation? | Dr. Ibrahim Al Harthy Director of Quality Assurance Office, SQU <u>A'Sharqiyah University Lecture.</u> 15-9-2021 | Dr Hussein Al Abddulqader | Electrical and Computer Engineering |
| 24 | Workshop and Training in Electromagnetic Fields Measurements for Telecom Sites | Telecommunication s Regulatory Authority (TRA) - Oman 18-10-2021 | Dr Hussein Al Abddulqader | Electrical and Computer Engineering |
| 25 | Blended learning in Oman: the role that quality online delivery can play in closing the skills gaps with employers | Times Higher Education and Coursera, 11-11-2021 | Dr Hussein Al Abddulqader | Electrical and Computer Engineering |
| 26 | Consultancy services in Nizwa University | Dr Ahmed Al Busaidi | Dr Hussein Al Abddulqader | Electrical and Computer Engineering |
| 27 | 4th Annual College of engineering and Arch. workshop | 20/10/2021-24/10/2021, CEA, Intrenal | Dr. Subhi Aziz Ali Al Ibrahim | Civil and Env. Engineering |
| | 4th Annual College of engineering and Arch. workshop | 20/10/2021-24/10/2021, CEA, Intrenal | Dr. Nasrellah Hassan | Civil and Env. Engineering |

***Note:** Please add rows as needed.

Awards in Year: 2021 – 2022

| # | Award title/detail | Awarded by | Faculty involved | Students Involved |
|---|--|--|---|---|
| 1 | Appointment to OAAAQA's Register of External Reviewers as an External Reviewer to review HEI and programme in the field of interior design | Oman Academic Accreditation Authority | Dr. Amr Mohamed | non |
| 2 | Best Session Paper Simulation Study on Flexural Behavior of High-Performance Reinforcement Concrete beam Under Static Loading | 11 th National Symposium on Engineering final year Projects University of Nizwa | Dr Qadir Bux alias Imran Latif Dr Naserallaeh Hassan | OMAR ABDELAZIZ ABDELAZIM SALAM |

Collaboration in Year: 2021 – 2022

| # | collaboration with | Type of collaboration | country | Faculty | Dept/unit |
|----|--|--|---------|---|--------------------------------|
| 1 | University of Technology & Applied Sciences | Reviewing the Interior Design Program | Oman | Dr. Amr Mohamed | Architecture & Interior Design |
| 2 | Koneru Lakshmaiah Education foundation (KL School of Architecture) | Conducting a Webinar | India | Mrs. Nasreen Kauser | Architecture & Interior Design |
| 3 | (IUDI) Institute of Urban designers India Indian National Trust for Art and Cultural Heritage | Exhibition and Design Symposium | India | Mrs. Nasreen Kauser | Architecture & Interior Design |
| 4 | UTAS | Research | Oman | Dr Ahmed Al Busaidi | ECE |
| 5 | Prince Sultan University | Research Paper | KSA | Qadir Bux alias Imran Latif Zubair Ahmed Memon, | Civil Engineering |
| 6 | Al Sharqiya University | Review research proposal | Oman | Salam Al-Dawery | Chem eng |
| 7 | Sohar University | Review of 2 research proposals submitted to TRC | Oman | Wameath S. Abdul-Majeed | Chem eng |
| 8 | German University of Technology in Oman | Review of a research proposal submitted to TRC | Oman | Wameath S. Abdul-Majeed | Chem eng |
| 9 | National University of Science and Technology | Review of a research proposal submitted to TRC | Oman | Wameath S. Abdul-Majeed | Chem eng |
| 10 | University of Technology and Applied Sciences , Sohar | Review of a research proposal submitted to TRC | Oman | Wameath S. Abdul-Majeed | Chem eng |
| 11 | National University of Science and Technology | Review of two research proposal submitted to TRC | Oman | Sri Hari Kumar Annamareddy | Chem eng |
| 12 | Dofar University | Review of two research proposal submitted to TRC | Oman | Sri Hari Kumar Annamareddy | Chem eng |

UoN Co-supervisors of International PhD Students

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

UoN Co-supervisors of national Students

| Supervisor Name | No of Students | Area of the Study |
|-----------------------------|----------------|----------------------|
| Salam Al-Dawery | 1 | chemical eng |
| Dr Salam A. Mohammed | 2 | Chemical Engg |
| Total | 3 | |

UoN joint research publications /Projects with other HEI

| faculty Name | Name of HEI | Title of Papers/Projects |
|--|---|---|
| Dr. Amr Mohamed | University of Technology & Applied Sciences | Impact of image features on visual attention: An eye-tracking study |
| Dr Ahmed Al Busaidi +Dr Munaf Salim + Dr Hussein Al A bdulqader | UTAS (Nizwa) | Research proposal is submitted in collaboration with UTAS. Title “Design & Manufacturing of a 4kW Autonomous Electrical Vehicle ”. |
| Qadir Bux alias Imran Latif | Sohar University | Engineering characteristics of dune sand-fine marble waste mixtures |
| Mohsin Usman. Qureshi, | University of Buraimi | Ultimate Limit State Reliability-Based Optimization of MSE Wall Considering External Stability A Machine Learning Model for the Prediction of Concrete Penetration by the Ogive Nose Rigid Projectile |
| Total | | |

MoHERI - URG approved and submitted in Year: 2021 – 2022

| # | Title | Students Names | Faculty Mentor | Grant Amount (OMR) | Submitted/ Approved |
|---|---|--|-------------------------------|--------------------|---------------------|
| 1 | Kinetic study of N-Deacetylation reaction | Asma Said Mohammed AlKasbi ,Arwa Ahmed Hamed Alnabhani | Sri Hari Kumar Annamareddy | 1500 | Submitted to TRC |

MoHERI - GRG approved and submitted in Year: 2021 – 2022

| # | Title | Students Names | Faculty Mentor | Grant Amount (OMR) | Submitted/ Approved |
|---|---|----------------|--|--------------------|---------------------|
| 1 | Design and fabrication of a 3-5KW efficient hybrid prototype solar-hydrogen generator for the enhancement of power sector in Oman | — | Eng. Abdulhkim Alhinai+ Dr Ahmed Al busaidi | OMR 3000 | Approved |

MoHERI - RG approved and submitted in Year: 2021 – 2022

| # | Title | PI | Team members | Grant Amount (OMR) | Submitted/ approved |
|---|--|--|---|--------------------|---------------------|
| 1 | Study on Compressive, Tensile and Flexural strength of Ultra High Performance Fiber Concrete (UHPFC) | DR. QADIR BUX ALIAS IMRAN | Prof. Dr. Subhi Aziz Ali AlIbrahim | 10700/- | approved |
| 2 | Carbon dioxide conversion to value added chemicals | Sri Hari Kumar Annamareddy | Salam Al-Dawery | 11000 | Submitted to TRC |
| 3 | Formulation, Evaluation and Stability Studies of Chitosan-Genipin cross-linking based Herbal Hydrogel Comprising Abutilon Pannosum (Ar.Munaqaa) Leaves Extracts for Anti-Hemorrhoidal Activity | Balamurugan Manicka Sri Hari Kumar Annamareddy, | Sadri Said, Afra Al Rubkhi, Afra Salem Al Touby, ulaiman Alhashmi, Anil Philip, Anand Davidson, | 5408.78 | Submitted to TRC |

Approved Bachelor Graduation Projects in Year: 2021 – 2022

Completed Graduation Projects (Presentations completed)

| # | Name of supervisor | Title of project | Name of student | Month/Year of presentation | Section/ Department |
|---|--------------------------|--|-----------------------------------|----------------------------|--------------------------------|
| 1 | Dr. Amr Mohamed | Muscat Intercontinental Hotel | AfraH Hamd Said Al Busaidi | June 2022 | Architecture & Interior Design |
| 2 | Dr. Amr Mohamed | Al Qurm Culture Center | Maram Ahmed Said Al Sulaimi | June 2022 | Architecture & Interior Design |
| 3 | Dr. Amr Mohamed | University of technology & Applied sciences HQ | Maryia Hamed Al Habbsi | June 2022 | Architecture & Interior Design |
| 4 | Dr. Amr Mohamed | Ejaz Creative Studios | Ruqaia Ali Abdullah Al Nadabi | June 2022 | Architecture & Interior Design |
| 5 | Dr. M. Faisal Al-Kazee | SPA | ABRAR HAMOOD RAHIN AL-RIYAMI | June 2022 | Architecture & Interior Design |
| 6 | Samir Al Qeisi | Residential | NEHAD ABDUULL AH ALI AL ABRI | June 2022 | Architecture & Interior Design |
| 7 | Dr. Mamdouh I Zaky Galil | Research center | SULAIMAN HAMED SULAIMAN AL RIYAMI | June 2022 | Architecture & Interior Design |
| 8 | Dr. Luai Al-Jubori | Furniture city | BALAQIS SALIM MASAAOD AL GHARIBI | June 2022 | Architecture & Interior Design |
| 9 | Dr. Luai Al-Jubori | Rahma & Al-Ihsan association | TASNIM SALIM KHALIFA | June 2022 | Architecture & Interior Design |

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| | | | AL BAIMANI | | |
| 10 | Dr. Munaf Salim | Solar panels Mobile robot | Mohammed Tamtami | June 2022 | Electrical and Computer Engineering |
| 11 | Mr. Atef Abusalim | Intelligent assembly point | Asma Kaltham | June 2022 | Electrical and Computer Engineering |
| 12 | Mr. Mohamed Yousuf | APPLICATION OF PIEZOELECTRIC SENSOR IN ENERGY HARVESTING TECHNOLOGY FOR PATHWAY SUSTAINABILITY | Mohammed Ghusn Yahya AL Hinaey | Jan 2022 | Electrical and Computer Engineering |
| 13 | Dr. Ali Abdulhafidh Ali | A Smart Elevator Control System | YASMINE SALIM AL-HOUSNI, IBTISAM YAQOOB AL KHARUSI | Jan. 2022 | Electrical and Computer Engineering |
| 14 | Prof. Dr. Subhi Aziz Ali AlIbrahim | A STUDY OF AGGREGATE PROPERTIES AND DURABILITY IN AD DAKHLIYAH AREA OMAN | NAWF HAFED HAMAD AL DARAAI ID:(11058409) | April, 2022 | Civil Engineering |
| 15 | Dr. ANWAR AHMED | Microbial electrolysis of petroleum wastewater for the production bioelectricity and hydrogen | ALAYA SAID ALSENAIDI ID: 15696502 | JANUARY 2022 | Environmental. Engineering |
| 16 | Dr. NASRELLAH HASSAN AHMED DR. QADIR BUX ALIAS IMRAN | Static and Dynamic Analysis of Cable Stayed Bridge System Using Various Type of Bridge Deck Profile | ISLAM AHMED ALI ABDUALA ZYZ (69445498) HAITHAM MOHAMMED JUMA AL GHAFRI | September 2021 | Civil Engineering |

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| | | | (11446456) | | |
| 17 | Dr Sajjalla Sreedhar Reddy | DISINFECTING AFLAJ WATER USING ADVANCED SOLAR OXIDATION PROCESSES | SAADA SAIF NASSER AL MAQIMI | JANUARY 2022 | Environmental. Engineering |
| 18 | DR. QADIR BUX ALIAS IMRAN Mr Jawwad Al Lawati | COMPRESSION BEHAVIOUR OF RC COLUMN UNDER STATIC LOAD | MOADH ASHRAF HASHIM 69533371 | MARCH 2022 | Civil Engineering |
| 19 | DR. QADIR BUX ALIAS IMRAN | DEVELOPMENT OF MULTIVARIABLE EQUATION FOR COMPRESSIVE AND TENSILE STRENGTH OF ULTRAHIGH-PERFORMANCE CONCRETE | MONA ALI SAID ALKATHIR I ID: 12600324 | MARCH 2022 | Civil Engineering |
| 20 | DR. QADIR BUX ALIAS IMRAN Dr. NASRELLAH HASSAN AHMED | Simulation Study on Flexural Behavior of High-Performance Reinforcement Concrete beam Under Static Loading | OMAR ABDELAZI Z ABDELAZI M SALAM (80984728) | FEBRUARY 2022 | Civil Engineering |
| 21 | Salam Al-Dawery | Treatment of fish processing water using polyelectrolyte and palm anguish as natural adsorbent | Ghadeer Eid Salim AL.Yaqoubi and Ahoud Ali Sultan | June 2022 | chem eng |
| 22 | Salam Al-Dawery | Effect of metal – TiO2 composite for organic degradation | Asila Abdulaziz Khalfan Al.Shukri, Fatema Abdulla | March 2022 | Chem eng |
| 23 | Wameath Abdul.Majeed & Hazim Fhdhil Abbas | Intensification of the Gases Produced From H2O-CO2 Plasmolysis | Muna Musabah ALmamari & Moza Salim Alhasani | May 2022 | Chem eng |
| 24 | Hazim Fhdhil Abbas & | Methane pyrolysis for hydrogen production | MUSAB JUMA NASIB AL- | March 2022 | Chem eng |

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| | Wameath Abdul.Majeed | using cold fly jet plasma | MARZOQI & IBRAHIM MOHAMMED JUMA AL-GHAFRI | | |
| 25 | Qazi Nasir | Predicting The Hydrate Equilibrium Conditions Using Artificial Neural Network (ANN) | AYA AHMED MOHAMMED AL FAHDI, KHALOUD KHAMIS SALIM AL JABRI | June 2022 | Chem eng |
| 26 | Dr. Salam A. Mohammed | The production of Nano-catalyst via sol-gel and plasma for the pyrolysis of PET (Polyethylene terephthalate) | Noor Ali Al-Breiki Noof Khalid Al-Siyabi | June 2022 | Chemical Eng |
| 27 | Dr Salam A. Mohammed | Pyrolysis of PET using nano-catalysts (single and doped): catalyst characterization and kinetic studies | Aisha Rashid (Msc Research thesis) | April 2022 | Chemical Eng. |
| 28 | Yasir Elsheikh | Preparation, Characterization & electrical Application of chicken skin biodiesel | Asma Al Mazroui, Iman Al Mhrizi | November 2011 | Chem Eng |

***Note:** Please add rows as needed.

Reviewing of papers for Journals and Conferences in Year: 2021 – 2022

| College of Engineering and Architecture | | | | | |
|---|--------------------------|---|---------|-----------------|-------------------------------------|
| # | Faculty Name | Journal / Conference name | Country | Date | Department |
| 1 | Mrs. Nasreen Kauser | International journal of research and innovation in social science (IJRISS) | India | 04/06/2022 | Architecture |
| 2 | Dr Ahmed said Al Busaidi | The Journal of Engineering Research College of Engineering, Sultan Qaboos University, Sultanate of Oman, “Electricity production by renewable energies and their storage methods: a review” | Oman | 8 Feb 2022 | Electrical and computer Engineering |
| 3 | Dr Ahmed said Al Busaidi | The Journal of Engineering Research College of Engineering, Sultan Qaboos University, Sultanate of Oman, “Efficiency Enhancement of Photovoltaic Solar Cells using Metamaterials Absorbing Screen”. | Oman | 16 January 2022 | Electrical and computer Engineering |
| 4 | Dr Ahmed said Al Busaidi | Research proposal reviewed for the TRC submission. “A NOVEL DESIGN AND IMPLEMENTATION OF HYBRID (RENEWABLE ENERGY) POWER GENERATION SYSTEM FOR POWER SYSTEMS SCENARIO IN OMAN”. In collaboration with UTAS. | Oman | April 2022 | Electrical and computer Engineering |

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| 5 | Dr Ahmed said Al Busaidi | Research proposal reviewed for the TRC submission. “Renewable energy based advanced wireless alert system using IoT for socioeconomic development of Oman”. In collaboration with UTAS. | Oman | April 2022 | Electrical and computer Engineering |
| 6 | Dr Ahmed said Al Busaidi | 11th National Symposium on Engineering Final Year Projects (Smart Solar Power Station for Isolated Houses in Oman) | Oman | April 2022 | Electrical and computer Engineering |
| 7 | Dr Ahmed said Al Busaidi | 11th National Symposium on Engineering Final Year Projects (Toward Meeting the Electric Needs of Oman in 2025) | Oman | April 2022 | Electrical and computer Engineering |
| 8 | Dr. Munaf Salim | International Journal of Research and Scientific Innovation (IJRSI) | UK | Feb 2022 | Electrical and computer Engineering |
| 9 | Dr. Munaf Salim | Advances in Science, Technology and Engineering Systems Journal | USA | Oct. 2021 | Electrical and computer Engineering |
| 10 | Dr Munaf Salim | 11th National Symposium on Engineering Final Year Projects , Four papers reviewed | Oman | April 2022 | Electrical and computer Engineering |
| 11 | Dr Munaf Salim | Research proposal reviewed for the TRC submission. “ARTIFICIAL GENERAL INTELLIGENCE ADMINISTERED NURSING ROBOT FOR OMAN HOSPITALS RoNu Oman . | Oman | April 2022 | Electrical and computer Engineering |

| | | | | | |
|----|-------------------|--|-----------|------------|-------------------------------------|
| 12 | Mr. Atef Abusalim | 11th National Symposium on Engineering Final Year Projects , Four papers reviewed | Oman | April 2022 | Electrical and computer Engineering |
| 13 | Mr.Mohamed Yousuf | International Journal of Learning, Teaching and Educational Research (IJLTER)/The Influence of Career Commitment, Workload, and Job Satisfaction on Academic Staff's Research Performance: The Moderating Role of Supportive Environment | Venezuela | Nov 21 | Electrical and Computer Engineering |
| 14 | Mr.Mohamed Yousuf | International Journal of Learning, Teaching and Educational Research (IJLTER)/The Love for Writing and Publishing Journal (LWPJ) Module for Higher Education | Venezuela | Feb 22 | Electrical and Computer Engineering |
| 15 | Mr.Mohamed Yousuf | International Journal of Learning, Teaching and Educational Research (IJLTER) /The relationship between types of intrinsic motivation and academic achievement: The mediating role of deep learning strategy | Venezuela | March 22 | Electrical and Computer Engineering |
| 16 | Mr.Mohamed Yousuf | TRC (Next Generation 5G Network based on Optical OCDMA systems) | Oman | Apr 22 | Electrical and Computer Engineering |
| 17 | Mr.Mohamed Yousuf | 11th National Symposium on Engineering Final Year Projects (A Smart Elevator Control System) | Oman | Apr 22 | Electrical and Computer Engineering |

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| 18 | Mr.Mohamed Yousuf | 11th National Symposium on Engineering Final Year Projects (OPTIMAL SIZING AND ANALYSIS OF HYBRID RENEWABLE ENERGY SYSTEMS FOR JAZIRAT AL HILLANIYYAH) | Oman | Apr 22 | Electrical and Computer Engineering |
| 19 | Mr.Mohamed Yousuf | 11th National Symposium on Engineering Final Year Projects (TECHNO ECONOMIC FEASIBILITY ANALYSIS OF A SOLAR PHOTOVOLTAIC POWERED AIR CONDITIONING SYSTEM) | Oman | Apr 22 | Electrical and Computer Engineering |
| 20 | Mr.Mohamed Yousuf | 11th National Symposium on Engineering Final Year Projects (SIMULATION OF PROTECTION FUNCTIONS FOR INDUSTRIAL INDUCTION MOTORS) | Oman | Apr 22 | Electrical and Computer Engineering |
| 21 | Mr.Mohamed Yousuf | IJLTER (The relationship between types of intrinsic motivation and academic achievement: The mediating role of deep learning strategy) | Vietnam | March 22 | Electrical and Computer Engineering |
| 22 | Mr.Mohamed Yousuf | IJLTER(Navigating the New Covid-19 Normal: The Challenges and Attitudes of Teachers and Students during Online Instruction in Qatar). | Vietnam | July 22 | Electrical and Computer Engineering |
| 23 | Mr.Mohamed Yousuf | IJLTEMAS | India | July 22 | Electrical and Computer Engineering |

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|----|--------------------------|--|-------------------------------|--------------------|-------------------------------------|
| | | (Application Of Optimization Technique In Solar Energy Generation) | | | |
| 24 | Mr.Mohamed Yousuf | IJLTEMAS (TECHNO-FRAMEWORK of PHOTOVOLTAIC (PV) and PHOTOVOLTAIC THERMAL (PV/T) SYSTEMS) | India | August 22 | Electrical and Computer Engineering |
| 25 | Dr. Ali Abdulhafidh Ali | 11th National Symposium on Engineering Final Year Projects , Three papers reviewed | Oman | April 2022 | Electrical and Computer Engineering |
| 26 | Dr. Ali Abdulhafidh Ali | Research proposal reviewed for the TRC submission. “ARTIFICIAL GENERAL INTELLIGENCE ADMINISTERED NURSING ROBOT FOR OMAN HOSPITALS RoNu Oman | Oman | April 2022 | Electrical and Computer Engineering |
| 27 | Dr Hussein Al Abdulqader | 11th National Symposium on Engineering Final Year Projects , Four papers reviewed | Oman | April 2022 | Electrical and computer Engineering |
| 28 | Dr Hussein Al Abdulqader | International Scientific Committee Member , 10th International conference on Recent Challenges in Engineering and Technology Indonesia , | Indonesia | 22-23rd June 2022 | Electrical and computer Engineering |
| 29 | Dr Hussein Al Abdulqader | International Journal Of Computing and Digital Systems IJCDS "Towards an Ethical and Trustworthy of Virtual Work | Bahrain University of Bahrain | 27th February 2022 | Electrical and computer Engineering |

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| | | Environment in current Workplace") | | | |
| 30 | Dr Hussein Al Abdulqader | Journal of Circuits, Systems, and Computers "Capacitance Multiplier Using Floating Current Sources " | Singapore Universities and Research Institutions in Singapore | 13th April 2022 | Electrical and computer Engineering |
| 31 | Dr Hussein Al Abdulqader | International Journal Of Computing and Digital Systems IJCDS "Deep Learning Model for Automatic Detection of Oral squamous cell carcinoma (OSCC) using Histopathological Images") | Bahrain University of Bahrain | 28th May 2022 | Electrical and computer Engineering |
| 32 | Dr Hussein Al Abdulqader | TRC papers review "Concentrated solar collectors with Desert-sand thermal storage system for applications in Oman" | TRC Oman | 27th April 2022 | Electrical and computer Engineering |
| 33 | Dr Hussein Al Abdulqader | "Renewable energy based advanced wireless alert system using IoT for socioeconomic development of Oman" | TRC Oman | 26th April 2022 | Electrical and computer Engineering |
| 34 | Dr Hussein Al Abdulqader | " A Novel Design and Implementation of Hybrid Renewable Energy Power Generation System for Power Systems Scenario in Oman " | TRC Oman | 26th April 2022 | Electrical and computer Engineering |

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|----|---------------------------|---|-------------|-----------------|-------------------------------------|
| 35 | Dr Hussein Al Abdulqader | “Reliability Analysis and Condition Monitoring of an Electrical Power Substation for enhanced Quality and Continuity of Services in Power Sector of Sultanate of Oman | TRC Oman | 24th April 2022 | Electrical and computer Engineering |
| 36 | Dr Hussein Al Abdulqader | “Next Generation 5G Network based on Optical CDMA Next Generation 5G Network based on Optical CDMA “ | TRC Oman | 23th April 2022 | Electrical and computer Engineering |
| 37 | DR. QADIR BUX ALIAS IMRAN | 11 th National Symposium on Engineering final year Projects University of Nizwa | Oman | 10 th May 2022 | Civil Engineering |
| 38 | DR. QADIR BUX ALIAS IMRAN | 5th Sohar University Research Conference (SURC2022) | Oman | 19 January 2022 | Civil Engineering |
| 39 | DR. Reddy | 11 th National Symposium on Engineering final year Projects University of Nizwa | Oman | 10 th May 2022 | Civil Engineering |
| 40 | DR. Anwar | 11 th National Symposium on Engineering final year Projects University of Nizwa | Oman | 10 th May 2022 | Civil Engineering |
| 41 | Salam Al-Dawery | Journal of Water Process Engineering | UK | dec 2021 | chem eng |
| 42 | Salam Al-Dawery | Journal of Water Process Engineering | UK | Jan 2022 | chem eng |
| 43 | Salam Al-Dawery | International Conference on Renewable and Sustainable Energy - 2022 Advances in Science and Engineering Technology | UAE | dec 2021 | chem eng |

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|----|-------------------------------|--|-------------------|------------------------|----------------------|
| 44 | Wameath S. Abdul-Majeed | Journal of King Saud University - Engineering Sciences | KSA | Sep 2021 | chem eng |
| 45 | Qazi Nasir | Computers and Chemical Engineering | United Kingdom | Spet 2021 | chem eng |
| 46 | Qazi Nasir | International Journal of Hydrogen Energy | United Kingdom | August 2022 | chem eng |
| 47 | Qazi Nasir | Iranian Journal of Chemistry and Chemical Engineering | Iran | June 2022 | chem eng |
| 48 | Sri Hari Kumar Annamareddy | Pollution | Iran | June 2022 | chem eng |
| 49 | Sri Hari Kumar Annamareddy | Pollution | Iran | August 2022 | chem eng |
| 50 | Nasrellah Hassan | 11 th National Symposium on Engineering final year Projects University of Nizwa | Oman | 10 th May 2022 | Civil Engineering |
| 51 | Subhi Azeez Ibrahim | 11 th National Symposium on Engineering final year Projects- University of Nizwa Treatment of the sea water mixed concrete with palm leaves ash | Oman | 17 th April 2022 | Civil Engineering |