



RESEARCH NEWSLETTER

International College of Engineering and Management (ICEM)

ICEM Research Day 2025

The Second ICEM Research Day 2025: Showcasing Innovation and Impact

The Research and Ethics Committee (REC) at the International College of Engineering and Management (ICEM) successfully organized the 2nd ICEM Research Day on 11th June 2025. The event highlighted the vibrant research culture within the institution, featuring 19 research presentations delivered through both oral and poster sessions. ICEM staff and students actively participated, sharing significant outcomes from internally and externally funded research projects conducted between 2024 and 2025. The Research Day served as a dynamic platform to foster collaboration, inspire innovation, and celebrate the contributions of the ICEM academic community toward addressing local and global challenges.



Presenter	Research Topic
Dr. Nasir Khan	Development of a Machine Learning Model for Accurate Prediction of Equivalent Circulating Density Using Real-Time Drilling Data
Dr. Shahnawaz Khan	Exploring the ZnO nanoparticles fire resistant properties in combating the fire in commercial wood
Mr. Ali Imran	Performance of Combined FeSO ₄ /TiO ₂ Based AoP for Treating Petroleum Wastewater
Dr. Salem Abu Amr	Activation of crude oil bioremediation using Shrimp Shell Waste
Dr. Saja Al-Ajrash	Additive Manufacturing of Hybrid Silicon Carbide/Carbon Fiber Composites A Novel Approach for Eco-Friendly Drilling Fluids: The Role of Lignin as a Green Additive

Presenter	Research Topic
Dr. Majed Aldahdooh	Development of Sustainable High-Performance Thermal Lightweight Concrete Using Vermiculite, Perlite, and Recycled Marble Waste
Dr. Riyad Mahfud	Investigating the Occurrence, Fate, and Toxicology of Airborne Nano plastics in Selected Urban Environments in Oman
Eng. Alhussain Alhadrami	Horizontal and Vertical Wave Compression to Enhance the Potential of Clean Energy Production from Waves (Alhadrami2023 design)
Eng. Alhaitham Alkalbani	Eco-Friendly Approach to Enhancing Drilling Fluids properties: A Study of Titanium Dioxide Nanoparticles
Ms. Saada Al-Habsi	Climate Change Education in School Curricula and Communities in Oman: Promoting Awareness and Policies Enhancing Reading Comprehension and Autonomy in EFL Students through Skimming, Scanning, and Prediction Strategies. (with a focus on the Foundation case study)
Mr. Musab Al Aamri Student	Experimental Study of Solar Photovoltaic/Thermal Energy System Assisted with PCM and Nanofluid for Enhanced Power Generation in Oman
Dr. Don Anton Balida	Attitudes of Higher Education Institutions (HEIs) in Asia toward Artificial Intelligence
Mr. Said Al-Anqoodi Student	Performance evaluation of packed bed column with biological media for treatment of contaminated water
Ms. Wajd Al Omrani Student	Evaluating Water Disinfection Practices with Emphasis on UV-Based Alternatives for Legionella Control in Al Rustaq Hospital Water System
Mr. Abdulla Al Mandhari Student	Design and Fabrication of an extruder for 3D Printer to recycle nylon chips
Dr Hashim El Badri	Thematic Trends in Sustainable Entrepreneurship and Innovation
Mr. Meet Panchal	Study the behavior of highly flammable liquid pool fires in varying ventilation conditions
Ms. Rawina Al Jabri Student	Development of machine learning prediction model to monitor fracture progression in oil shale reservoir while hydraulic fracturing in Oman field
Ms. Hanan Al Gharibi Student	Development of ML Model for 3-Phase Horizontal Separator Optimization: A Study from Oman Oilfield

Memorandum of Understanding

ICEM Signed MoUs with different International Universities

Middle East Technical University in Ankara, Turkey

07 April 2025:

Dr. Yingkui Zhao, Dean and Dr. Rami Hamad, Assistant Dean Academic Affairs visited Middle East Technical University (METU) in Ankara, Turkey. The visit aimed at exploring potential academic collaborations and opportunities.



Karabuk University in Turkey

08 April 2025:

During the visit of Dr. Yingkui Zhao, Dean and Dr. Rami Hamad, Assistant Dean Academic Affairs to Turkey to establish collaboration with universities in Turkey, an Agreement of Understanding Framework for Academic Collaboration was signed between the International College of Engineering and Management (ICEM) and the Karabuk University (KU) in Turkey by Dr. Yingkui Zhao, Dean and Professor Faith KIRISIK, Rector (KU) on 08/04/2025 to promote, facilitate and consolidate international cooperation in education and research.



Istanbul Technical University, Turkey

10 - 11 April 2025:

Dr. Yingkui Zhao, Dean and Dr. Rami Hamad, Assistant Dean Academic Affairs visited the Faculty of Mechanical Engineering, Faculty of Civil Engineering, Faculty of Computer and Informatics Engineering, and the Disaster Management Institute at the Istanbul Technical University in Turkey.



Al Sharqiyah University, Sultanate of Oman

03 February 2025:

The signing ceremony was held at the Sharqiyah University, Sultanate of Oman on 03 February 2025 between the International College of Engineering and Management and the Sharqiyah University and was attended by Dr. Yingkui Zhao, Dean and Dr. Rami Hamad, Assistant Dean Academic Affairs. The MoU provides Academic Cooperation in terms of learning resources, faculty exchange, benchmarking of academic programmes and procedures, student exchange and any other mutually identified areas.



MoUs with Industries in the Sultanate of Oman

MoU between ICEM and Al Salama Engineering Consultancy (ASEC)

ICEM officially signed a Memorandum of Understanding (MoU) for training purposes with ASEC on 14 May 2025, marking a significant step toward strengthening industry-academic collaboration. This partnership aims to facilitate joint initiatives in training, internships, and professional development opportunities for ICEM students and graduates. The MoU reflects ICEM's ongoing commitment to bridging the gap between academic learning and industry practices via the Career Guidance Department initiatives in training placement.



MoU between ICEM and Future Pipe Industries (FPI)

ICEM officially signed a Memorandum of Understanding (MoU) for training purposes with FPI on 25 May 2025, marking another significant step toward strengthening industry-academic collaboration. This partnership aims to facilitate joint initiatives in training, internships, and professional development opportunities for ICEM students and graduates. The MoU reflects ICEM's ongoing commitment to bridging the gap between academic learning and industry practices via the Career Guidance Department initiatives in training placement.



Muscat Smart City Project

On 28 May 2025, Mr. Haythem Macki, ICEM Chairman, Dr. Yingkui Zhao, Dean, Dr. Rami Hamad, Assistant Dean Academic Affairs and Mr. Chris Roberts, Lynwood, UAE met with H.E. Ahmed Mohammed Ahmed Al Humaidi, President, Muscat Municipality to discuss the Muscat Smart City Project over the next five years aligned with the Oman's Vision 2040 for sustainable urban growth, economic diversification, and local talent empowerment. ICEM's role focuses on offering academic and practical expertise, engaging students and staff in real-world urban asset management, and positioning the college as a leader in sustainable infrastructure education. ICEM and the Muscat Municipality plan to sign a Memorandum of Understanding to collaborate in building a resilient and forward-thinking city for the future.



Industry-Academia Collaboration

We were honored to welcome Mr. Tariq bin Hadi, a distinguished professional in the energy sector and Business Strategy Manager - Middle East to a collaborative meeting with SPE ICEM Administration, the Well Engineering Department, and the Senior Management. The session fostered a meaningful dialogue around mutual interests, with a focus on internships, guest lectures, joint projects, and technical workshops. The meeting opened doors for future collaboration, blending academic innovation with industry needs. As a token of appreciation, Dr. Yingkui, Dean of ICEM, presented a gift to Mr. Tariq, thanking him for his inspiring visit and support.



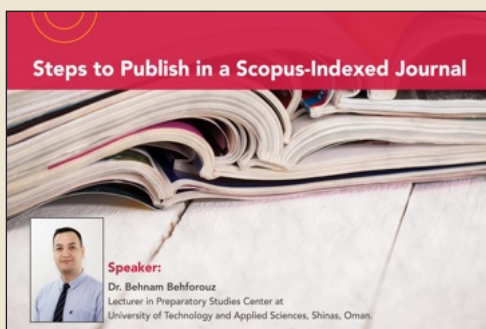
Research Workshops

Title: Steps to Publish in a Scopus-Indexed Journal

Date: Wednesday, 5th February 2025

Speaker details: Dr. Behnam Behforouz, Lecturer at the Preparatory Studies Center, University of Technology and Applied Sciences, Shinas, Oman.

Objectives: This workshop aims to provide valuable guidance on the publication process in Scopus-indexed journals, covering key steps, challenges, and strategies for successful publication. This session will offer practical insights to enhance your research visibility and impact.



Title: Block Funding Program Guideline

Date: Wednesday, 5th March 2025

Speaker details: Mr. Abdullah Al Sulaimi, Head of the Block Funding Program at MoHERI

Objectives: Provide an overview of the program's key requirements and application process. Also Highlight common errors encountered during the application process.



Title: Miah's Class

Date: Sunday, 23rd March 2025

Speaker details: Mr. A.S.M. Shamim Miah, Assistant Lecturer & E-Learning Coordinator, University of Technology & Applied Sciences.

Objectives: An AI-driven, interactive learning web application designed to enhance teaching methodologies and self-paced student learning.



Title: Research and Innovation Management Workshop

On April 20, 2025, at the Innovation Center, Dr. Hashim Elbadri, ICEM's focal point for the MoHERI Training Support Program, participated in a workshop organized by the Ministry of Higher Education Research and Innovation (MoHERI). The workshop aimed to evaluate the first round of the Research and Innovation Training Support Program.



Title: Green Buildings and Sustainable Construction Materials

Date: Thursday, 01 May 2025

Speaker details: Dr. N. Aravind, Ph.D. in Structural Engineering and Associate Professor at the National University of Science and Technology, Muscat.

Objectives: This workshop aims to provide valuable insights into sustainable practices and innovations in the construction industry, which are increasingly relevant across multiple disciplines. We believe this workshop will greatly benefit students, particularly those studying engineering, environmental science, sustainability, and related fields.



Title: Educator AI: Empowering Teaching and Learning with Ethical AI Strategies

Date: Sunday, 27 April 2025

Speaker details: Ms. Insiya Zehra, Assistant Manager, Research and Development and AI Institute, Habib University, Karachi, Pakistan.

Objectives: This workshop aims to explore the ethical integration of Artificial Intelligence in education, with a focus on practical strategies to enhance teaching and learning. It's an excellent opportunity for us to gain insights into the evolving role of AI in academia.



Title: Capacity Building Programs Meeting

Date: May 22, 2025, at the ICEM campus

Speaker Details: Mr. Ibrahim Al Balushi, Head of the Competitions Section at MoHERI

Objectives: Provided a comprehensive overview of various capacity-building initiatives and funding opportunities available to both students and faculty members. The discussion emphasized the importance of leveraging these programs to strengthen research competencies and drive innovation across academic institutions and provided a comprehensive overview of various capacity-building initiatives and funding opportunities available to both students and faculty members. The discussion emphasized the importance of leveraging these programs to strengthen research competencies and drive innovation across academic institutions.



Conference Participation by Student and Staff

Fourth Hawaii International Conference on English Language and Literature Studies (HICELLS 2025)

February 19-20, 2025, at A'Sharqiya University in Ibra, Oman.

Presenter: Said Al Manthari and Thaer Al-Abdullahi

In their presentation "Emoji-Enhanced Writing: A Practical Approach for Foundation Students in Oman," explored the use of emojis to improve writing skills and student engagement among pre-intermediate students. The study, grounded in multimodal learning theory, showed positive changes in students' perceptions and writing performance. The conference, organized by the University of Hawaii at Hilo and chaired by Dr. Francisco P. Dumanig, aimed to discuss advancements in English language and literature studies.



The 8th National Conference on Metaverse and AI-Driven Approaches in Language Teaching, Learning and Research, Al Buraimi University College, Oman

May 5, 2025 – In person Presentation

Presenter: Ms. Saada Salim

Title: "An In-depth Inquiry into Composition Difficulties and AI Integration in EFL Classrooms". Ms. Saada's study explored the persistent difficulties faced by English as a Foreign Language (EFL) students in composition writing. The presentation emphasized the potential of AI tools to assist in improving students' writing proficiency, offering practical insights into how such technologies can be integrated into EFL instruction to foster more effective learning outcomes.



The 8th National Conference on Metaverse and AI-Driven Approaches in Language Teaching, Learning and Research, Al Buraimi University College, Oman

May 5, 2025 – In person Presentation

Presenter: Dr. Hashim El Badri

May 6, 2025 – Virtual Presentation Innovative Ideas for Leveraging AI to Enhance Dynamic Learning Resources in Omani Higher Education Institutions. Dr. Hashim delivered an engaging virtual session focusing on how AI can be utilized to create adaptive and interactive learning environments in Omani universities and colleges. His presentation showcased innovative strategies for using AI to support personalized education and increase student engagement.



ICEM Joins the Philippine Delegation at University of Edinburgh Conference on Business and Technology

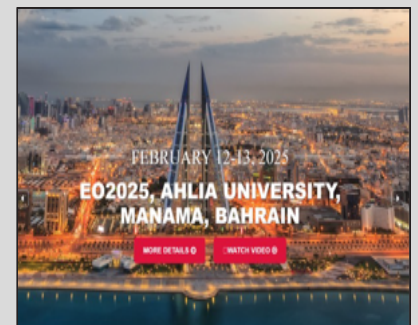
The International College of Engineering and Management (ICEM) proudly announces the participation of Dr. Don Anton Robles Balida in the prestigious International Conference on Business and Technology (ICBT) Edinburgh 2025 held at the University of Edinburgh, United Kingdom, on April 12–13, 2025. Dr. Don co-presented the paper "Digital Nomadism in Shaping Sustainable Hospitality Practices" alongside esteemed colleagues from the Philippines: Ma. Flora Castro Collado of West Visayas State University, Dr. Jeanneth Fermasis Darroca of Iloilo Science and Technology University, Dr. John Decretales Navarro and Cheryl Cortez Sainz of Northern Iloilo State University. Their collaborative research explored how the rise of digital nomadism is influencing sustainability paradigms in the global hospitality industry, particularly in the context of remote work, mobile lifestyles, and adaptive service delivery.



ICEM Contributes to Global Dialogue on Academic Integrity at Ahlia University Conference

The International College of Engineering and Management (ICEM) proudly acknowledges its representation at the 8th Equal Opportunities Conference (EO2025) held at Ahlia University, Manama, Bahrain, on February 12–13, 2025. Themed "Responsible Innovation and Society 5.0," the conference gathered scholars and practitioners to explore ethical dimensions of emerging technologies and inclusive academic practices.

Dr. Don Anton Robles Balida, in collaboration with Saada Aldhabi, Dr. Hashim Elbadri, and Ali Al Bahri, co-authored the paper "Reviewing High AI and High Similarity Cases: Global Institutional Practices." The study examined institutional approaches to managing academic work influenced by artificial intelligence and elevated similarity scores, drawing on global frameworks for detection, prevention, and policy adaptation.



Participation in ICBCCT 2025 at Gulf College

On April 20, 2025, ICEM took part in the Second Conference on Business, Communication, and Technology (ICBCCT 2025) at Gulf College. The college was represented by Dr. Hashim Elbadri and Mr. Ali Al Bahri from the Health, Safety, and Environmental Management Department.



The 1st SU GFP Conference (SUFC1)

The International College of Engineering and Management participated in the First Foundation Program Conference hosted by Sohar University. Mr. Ali Al Bahri from the Health, Safety, and Environment Department represented the college at the event, which welcomed experts and presenters from 13 countries. The conference provided a dynamic platform for sharing insights and best practices to enhance foundation students learning and elevate the quality of higher education under the theme of empowering students in the 21st century.



Research Excellence Awards 2024-2025



Associate Professor Dr. Girma
Well Engineering Department



Assistant Professor Dr. Don Anton
Personal Professional Development



Ms. Saada Al Habsi
Personal Professional Development

ICEM Indexed Publications ISI/Scopus

ICEM researchers published a total of 65 research papers in ISI-Scopus indexed Journals during 2024 until June 2025.

List of Publications in Q1 & Q2 Scopus indexed Journals during between 2024 and June-2025

	Papers (Scopus Indexed)	Ranking
1	Alazaiza M.Y.D.; Alzghoul T.M.; Ramu M.B.; Abu Amr S.S.; Abushammala M.F.M. (2025) 'PFAS contamination and mitigation: A comprehensive analysis of research trends and global contributions', *Case Studies in Chemical and Environmental Engineering*, 11.0, . doi: 10.1016/j.cscee.2025.101127	Q1
2	Ullah R.; Tuzen M.; Ullah S.; Khan N.; Khan A.A. (2025) 'Facile functionalization of nano-sized ZnO on micro-fiber alumina: Effect of remarkably high diffusion rate on desulfurization activities', *Surfaces and Interfaces*, 64.0, . doi: 10.1016/j.surfin.2025.106462	Q1
3	Liew L.W.; Bashir M.J.; Toh P.Y.; Alazaiza M.Y.D.; Amr S.S.A.; Khoo K.S.; Raksasat R.; Lim J.W. (2025) 'Microalgae cultivation in stabilized landfill leachate for simultaneous treatment and biomass production', *Journal of the Taiwan Institute of Chemical Engineers*, 166.0, . doi: 10.1016/j.jtice.2023.105068	Q1
4	Wong A.W.; Aldahdooh M.A.A.; Lem K.H.; Looi S.Y.; Bashir M.J.K.; Ng C.A. (2025) 'Utilization of thermal plasma decomposed municipal solid waste bottom ash as partial cement and fine aggregates replacements on cement mortar properties', *Construction and Building Materials*, 464.0, . doi: 10.1016/j.conbuildmat.2025.140142	Q1
5	Nassar H.N.; Abd El Salam H.M.; Al-Sadek A.F.; Abu Amr S.A.; El-Gendy N.S. (2025) 'para-Nitrophenol nano-biodegradation using Turbinaria triquetra-synthesized magnetic nanoparticles-coated novel bacteria: a sustainable approach for refinery wastewater treatment', *International Journal of Environmental Science and Technology*, 22.0(1), 99-132. doi: 10.1007/s13762-024-05650-4	Q1
6	Aldahdooh M.A.A. (2025) 'Multi-objective optimization of green concrete incorporating recycled plastic and sawdust waste as fine aggregates using response surface methodology', *Structural Concrete*, . . doi: 10.1002/suco.70107	Q1
7	Alazaiza M.Y.D.; Alzghoul T.M.; Bashir M.J.K.; Ramu M.B.; Abu Amr S.S.; Abushammala M.F.M. (2025) 'Emerging trends in tackling microplastics in wastewater systems: Insights from a global research perspective', *Case Studies in Chemical and Environmental Engineering*, 11.0, . doi: 10.1016/j.cscee.2024.101041	Q1

	Papers (Scopus Indexed)	Ranking
8	Zeyad A.M.; Zainol Z.; Megat Johari M.A.; Aldahdooh M.A.A.; Majid T.A. (2025) 'Impact of treated palm oil fuel ash inclusion on hardened properties of self-compacting concrete', *Innovative Infrastructure Solutions*, 10.0(5), . doi: 10.1007/s41062-025-01994-z	Q2
9	Zhang H.; Aldahdooh M.A.A.; Shang Y.H.; Yin H.; Bashir M.J.K.; Wong A.W.; Olanrewaju A.A.; Ng C.A. (2025) 'Enhancing the safety of underwater subway tunnels through grouting reinforcement in fault fracture zones', *Results in Engineering*, 26.0, . doi: 10.1016/j.rineng.2025.104718	Q1
10	Alazaiza M.Y.D.; Alzghoul T.M.; Ramu M.B.; Amr S.S.A.; Abushammala M.F.M.; Nassani D.E. (2025) 'Global perspectives on industrial wastewater management: A bibliometric analysis of research output', *Journal of Hazardous Materials Advances*, 17.0, . doi: 10.1016/j.hazadv.2024.100567	Q1
11	Khater M.; Aboelazayem O.; Ismail A.R.; Soliman A.; Amr S.A.A.; El-Gendy N.S.; Ezzat A.A. (2025) 'Rotor–stator hydrodynamic cavitation reactor for intensification of castor oil biodiesel production', *International Journal of Environmental Science and Technology*, 22.0(6), 4847-4868. doi: 10.1007/s13762-024-05905-0	Q1
12	Yaqub T.B.; Nadeem I.; Haq M.A.; Yasir M.; Cavaleiro A.; Kalin M. (2025) 'Investigating the Effects of Long-Term Ambient Air Storage on the Sliding Properties of N-Alloyed MoSe ₂ Coatings', *Nanomaterials*, 15.0(6), . doi: 10.3390/nano15060414	Q1
13	Al Maharbi A.W.Y., Chala G.T. (2024) 'Flow assurance of waxy crude oil through thermal methods using nichrome wire and ultrasonic waves effects – Experimental investigation', <i>Geoenergy Science and Engineering</i> , 243. doi: 10.1016/j.geoen.2024.213277	Q1
14	Alazaiza M.Y.D., Alzghoul T.M., Abu Amr S.S., Ramu M.B. (2024) 'Microalgae cultivation for dairy wastewater treatment: Insight from recent research and bibliometric analysis', <i>Results in Engineering</i> , 24. doi: 10.1016/j.rineng.2024.103052	Q1
15	Alkalbani A.M., Chala G.T. (2024) 'A Comprehensive Review of Nanotechnology Applications in Oil and Gas Well Drilling Operations', <i>Energies</i> , 17(4). doi: 10.3390/en17040798	Q1
16	Balida D.A.R., Alhabsi S.S. (2024) 'An In-depth Inquiry into the Complexities of Composition Writing Among Higher Education Students in Oman', <i>World Journal of English Language</i> , 14(3), pp. 326-336. doi: 10.5430/wjel.v14n3p326	Q1
17	Chala G.T., Sulaiman S.A. (2024) 'Voids size distribution in gelled waxy crude oil under dynamic and static cooling', <i>Petroleum Research</i> , 9(1), pp. 109-114. doi: 10.1016/j.ptlrs.2023.08.001	Q1
18	Chala G.T., Sulaiman S.A., Al Alshaikh S.M. (2024) 'Effects of climatic conditions of Al Seeb in Oman on the performance of solar photovoltaic panels', <i>Heliyon</i> , 10(10). doi: 10.1016/j.heliyon.2024.e30944	Q1
19	Chala G.T., Sulaiman S.A., Al Alshaikh S.M. (2024) 'Effects of cooling and interval cleaning on the performance of soiled photovoltaic panels in Muscat, Oman', <i>Results in Engineering</i> , 21. doi: 10.1016/j.rineng.2024.101933	Q1
20	Chala G.T., Sulaiman S.A., Chen X., Al Shamsi S.S. (2024) 'Effects of Nanocoating on the Performance of Photovoltaic Solar Panels in Al Seeb, Oman', <i>Energies</i> , 17(12). doi: 10.3390/en17122871	Q1
21	Chala, G.T., Sulaiman, S.A. and Chen, X., 2025. A Study on the Performance of Soiled Solar Photovoltaic Panels at Different Tilt Angles in Al Seeb, Oman. <i>Energies</i> , 18(2), p.301.	Q1
22	Hashempour J., Bahrani B., Hoskins B., Abujayyab S. (2024) 'Assessing school evacuation movement characteristics: Children and adolescents speed and flow over stairs and through exit doorways', <i>Fire and Materials</i> , 48(6), pp. 617-631. doi: 10.1002/fam.3209	Q1
23	Hussein A.M.A., Sharifai A.G., Alia O.M., Abualigah L., Almotairi K.H., Abujayyab S.K.M., Gandomi A.H. (2024) 'Auto-detection of the coronavirus disease by using deep convolutional neural networks and X-ray photographs', <i>Scientific Reports</i> , 14(1). doi: 10.1038/s41598-023-47038-3	Q1
24	Khoshakhlagh A.H., Omer F., Yazdanirad S. (2024) 'The variation in exposure to ambient formaldehyde at different times of the year in various countries: A systematic review and meta-analysis', <i>Journal of Hazardous Materials Advances</i> , 16. doi: 10.1016/j.hazadv.2024.100467	Q1
25	Mahfud R. (2024) 'Molecular Dynamics Computational Study of Sustainable Green Surfactant for Application in Chemical Enhanced Oil Recovery', <i>ACS Omega</i> , 9(25), pp. 27177-27191. doi: 10.1021/acsomega.4c01332	Q1
26	Rasool M.H., Ahmad M., Zamir A., Amjad B. (2024) 'Novel Application of Citric Acid Based Natural Deep Eutectic Solvent in Drilling Fluids for Shale Swelling Prevention', *Society of Petroleum Engineers - SPE Conference at Oman Petroleum and Energy Show, OPES 2024. doi: 10.2118/218806-MS	Q1

	Papers (Scopus Indexed)	Ranking
27	Soliman A., Ismail A.R., Khater M., Amr S.A.A., El-Gendy N.S., Ezzat A.A. (2024) 'Response surface optimization of a single-step castor oil-based biodiesel production process using a stator-rotor hydrodynamic cavitation reactor', Environmental Science and Pollution Research, 31(50), pp. 60601-60618. doi: 10.1007/s11356-024-35043-6	Q1
28	Abdullayev E., Vakili A.H., Abu Amr S.S., Karaağaç S.U., Alazaiza M.Y.D. (2024) 'Navigating heavy metal removal: Insights into advanced treatment technologies for wastewater: A review', Global Nest Journal, 26(6). doi: 10.30955/gnj.06247	Q2
29	Abujazar M.S.S., Karaagaç S.U., Amr S.S.A., Alazaiza M.Y.D., Albahnasavi A., Nassani D.E. (2024) 'The Synergistic Power of Rosehip Seed Powder and Aluminum Chloride in Steel Industry Wastewater Treatment', Water (Switzerland), 16(19). doi: 10.3390/w16192770	Q2
30	Alazaiza M.Y.D., Alzghoul T.M., Al Maskari T., Amr S.A., Nassani D.E. (2024) 'Analyzing the Evolution of Research on Student Awareness of Solid Waste Management in Higher Education Institutions: A Bibliometric Perspective', Sustainability (Switzerland) , 16(13). doi: 10.3390/su16135422	Q2
31	Alazaiza M.Y.D., Alzghoul T.M., Amr S.A., Bangalore Ramu M., Nassani D.E. (2024) 'Bibliometric Insights into Car Wash Wastewater Treatment Research: Trends and Perspectives', Water (Switzerland), 16(14). doi: 10.3390/w16142034	Q2
32	Chala G.T., Al Alshaikh S.M., Sulaiman S.A. (2024) 'Comparative Study Between Clean, Dusty, and Muddy Photovoltaic Panels in Al Seeb, Oman', Environmental Science and Engineering, pp. 277-287. doi: 10.1007/978-3-031-54684-6_20	Q2
33	Mojiri A., Trzcinski A.P., Bashir M.J.K., Abu Amr S.S. (2024) 'Editorial: Innovative treatment technologies for sustainable water and wastewater management', Frontiers in Water, 6. doi: 10.3389/frwa.2024.1388387	Q2
34	Omairi A.M.A., Chala G.T. (2024) 'The Role of Silica Nanofluid as a Plugging Agent for Enhanced Oil Recovery – Experimental Approach', Journal of Advanced Research in Micro and Nano Engineering, 15(1), pp. 1-13. doi: 10.37934/armne.15.1.113	Q2
35	Otitolaiye V., Abdelrahim R., Kozhiparambath L., Omer F., Palathoti S., Abdullayev E. (2024) 'Vehicular motor emissions research: Systematic review of emerging trends and research landscape from 2007 to 2021', Multidisciplinary Reviews, 7(3). doi: 10.31893/multirev.2024037	Q2

Research Performance Summary of ICEM Staff (Based on Google Scholar Metrics)

	Staff Name	Total	2024	June - 2025	H - Index
1	Dr. Salem Abu Amr - HSEM	4246	717	289	34
2	Dr. Girma T. Chala - WE	1248	277	129	18
3	Dr. Shahnawaz Khan - FSEM	1192	134	45	20
4	Dr. Majid Al Dahdooh- FM	864	117	63	11
5	Dr. Nasir Khan - WE	621	206	68	13
6	Dr. Muhammad Yasir	389	79	42	9
7	Dr. Rami J A Hamad	342	64	27	7
8	Mr. Asif Zamir - WE	274	86	36	10
9	Dr. Sreejaya K.V. Dr.	200	20	8	3
10	Dr. Victor Olabode Otitolaiye	174	61	38	8
11	Dr. Riyad Mahfud - HSEM	109	17	13	5
12	Mr. Al Haitham M. Al Kalbani	81	32	28	4

	Staff Name	Total	2024	June - 2025	H - Index
13	Dr. Don Anton-PPD	71	26	13	5
14	Dr. Faris Omer - HSEM	69	19	21	4
15	Mr. Amal S. George	54	9	3	3
16	Ms. Rasha Abdelrahim	26	5	9	2
17	Mr. Sivi Varghese	21	2	2	3
18	Mr. Ali Imran	9	1	8	1
19	Dr. Emain Ibrahim	9	4	0	1

Staff - Student Joint Publication

Balida, D.A.R., Merchant, A.I., Abdullayev, E., & Altwajri, A. (2025). Assessing Awareness and Compliance of Health and Safety Standards by Construction Workers in Al Khobar, Saudi Arabia. In Sustainable Data Management (pp. 175–185). Springer. https://doi.org/10.1007/978-3-031-83915-3_15

Staff -Student Joint Conferences

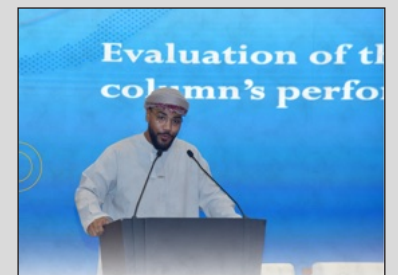
GOTECH 2025 Energy, Technology, and Innovation Conference

The SPE ICEM Student Chapter has been selected to participate in the prestigious GOTECH 2025 Energy, Technology, and Innovation Conference, taking place in Dubai, from 21-23 April 2025. Six of our outstanding students will represent Oman in the engineering exhibition, showcasing their innovative research and technical skills on an international platform. We extend our sincere gratitude to Dragon Oil for generously sponsoring all travel and participation costs, and to the ICEM leadership and academic team for their unwavering support. This is not just a milestone for our students, it is a step forward in building stronger academic and industrial collaborations that pave the way for future engineers in Oman.



Produced Industrial Water Week 2025 Conference

Our student Said Al Anqoodi presented his research Evaluating the performance of biologicalmedia-filled packed bed columns in treating polluted water demonstrates their potential to enhance efficiency and sustainability in water treatment processes. Integrating these technologies into urban infrastructure can ensure clean water for all and support global sustainability goals At the produced industrial water week conference.



ICEM Ranking in the AD Scientific Index

ICEM has entered and being ranked Ninth (9th) among 40 Institutions in the Sultanate of Oman by the AD Scientific Index Inc. World Scientist and University Rankings 2025.





الكلية الدولية للهندسة والإدارة
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