

CURRICULUM VITAE

Prof. Abdel-Hamid I. Mourad

Notarization. I have read the following and certify that, this curriculum vitae is a current and accurate statement of my professional record.

Signature *Mourad*

Date: August 25, 2019

PERSONAL INFORMATION

Full Name: Abdel-Hamid Ismail Mourad (A-H.I. Mourad)

Academic rank: Professor

Mailing address: Mechanical Engineering Department, Faculty of Engineering, United Arab Emirates University, P. O. Box 15551-Al-Ain, UAE.

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Internet web site: <https://eng.uaeu.ac.ae/en/departments/mech/profile.shtml?email=ahmourad@uaeu.ac.ae>

Google scholar: <http://scholar.google.ae/citations?user=PcDkR-cAAAAJ&hl=en>

- Member of “**Mohammed Bin Rashid Academy of scientists**“

<https://www.mocaf.gov.ae/en/media/news/mohammed-bin-rashid-attends-first-annual-academy-of-scientists-meeting>

- Received Second place with my student Aminah in “The Forth Annual Explore Mars Research Competition: focusing on Mars science” competition, Dubai on 21-22 of January. The competition is organized by Mohammad Bin Rashed Space Center <https://mbrsc.ae/en/page/explore-mars-competition>. The winners were awarded money prizes (7000 DHS for 2nd place), a trophy and certificate.
- Granted the Excellence Allowance- One –Year merit (increase in salary) Spring 2019
- Granted the Excellence Allowance- One –Year merit (increase in salary) Fall 2018
- Recognized by the UAE university for the patent granted in 2018.
- Chair of Materials library at United Arab Emirates University (project 22) : The university of future
- Acted as Session Chair in 4th Student research colloquium on Advances in Engineering & Information Technology - 2019, 24-25 April 2019, organized by Manipal Academy of higher education, Dubai.
- Received PVPD conference award for co-developing the PVP Heki shibata outstanding international technical session at the 2017 ASME pressure vessel & piping conference.
- Keynote speaker at the, 5th International Conference on Machine Design and Manufacturing Engineering (ICMDME2018), November 22-23, 2018, Jakarta, Republic of Indonesia, <http://www.icmdme.org/>
- Lead guest editor, Special Collection on Recent Trends in Design and Additive Manufacturing, SAGE, 2018
- Winner of chancellor Innovation award (Student category- Mohammed Ziauddin), 2017
- Winner of the Venus International Research Awards - VIRA 2017 in the category of ‘Life time achievement award in Mechanical Engineering’, organized by Venus International foundation, India. <http://viraw.info/>
- Winner of the 2nd rank of the Distinguished Employee in Specialized Jobs – Academic, 1st cycle of the chancellor’s award for institutional excellence, Career Excellence Categories.
- Received College Award for Excellence in Scholarship, academic year 2016-2017
- Recognized for publishing paper in top 5% and top 10% journal in 2015
- Recognized for publishing paper in top 5% and top 10% journal in 2017
- Granted the Excellence Allowance- One –Year merit (increase in salary) spring 2017
- Member of the steering committee of the UAEU *Advance Materials and Nano-technology Center Fall 2016*
- Coordinator of Mechanical Engineering Graduate Program (MSc, BS-MS and PhD), Fall 2012-2015.
 - Editor-in-Chief of the Emirates Journal for Engineering Research EJER, UAEU, Spring 2011-Present. <https://eng.uaeu.ac.ae/en/research/journal/issues/index.shtml>
- TPC member of the UAE Graduate conference (UAEGSRC'16) <http://www.uaegsrc.ae/>
- TPC member of the UAE Graduate conference (UAEGSRC'17) <http://www.uaegsrc.ae/committees> <http://www.uaegsrc.ae/>
- ASTM: Member of the Committee E08 on Fatigue & Fracture

- ASME PVP conference: Topic organized & Session developer
- ASME PVP conference: Member of the Materials and Fabrication committee
- International Advisory Board, ICCST/11, AUS Sharjah, UAE,017:
https://www.aus.edu/info/200227/conferences/596/iccst_11/3
- Organizing committee member of the “International Conference on Semiconductors, Optoelectronics and Nanostructures”, August 20-21, 2018 at Paris, France
<http://scientificfederation.com/semiconductors-optoelectronics-nanostructures-2018/organizing-committee.php>
- Admission Panel member for the Incubation program (the Science & Innovation Park) UAEU, Spring 2015.
- Guest Editor of the book, ISBN-13: 978-3038350293 ISBN-10: 303835029X. “Trans Tech Publications” May 2014
<https://www.amazon.com/Mechatronics-Computational-Mechanics-International-Conference/dp/303835029X>
- Guest Editor of the book, ISBN-13: 978-3038351993 ISBN-10: 303835199731 “Trans Tech Publications” Oct. 2014.
http://www.amazon.in/Automatic-Mechatronic-Engineering-Mechanics-Materials/dp/3038351997/ref=sr_1_1?s=books&ie=UTF8&qid=1486737656&sr=1-1
- ASME Manufacturing Engineering Division Members:

EDUCATION

- | | |
|------------|--|
| PhD (1996) | Mechanical Engineering Department, Indian Institute of Technology, Powai, Bombay, India (IITB).
Applied Mechanics and Materials Science and Engineering |
| MSc (1989) | Mechanical Design Department, Faculty of Engineering, Helwan University, Cairo, Egypt. |
| BSc (1981) | Mechanical Engineering Department, Faculty of Engineering, Helwan University, Cairo, Egypt. |

PROFESSIONAL EXPERIENCE

- Professor (Spring 2014), Mechanical Engineering Department, United Arab Emirates University, UAE
- Professor (2009), Mechanical Design Department, Helwan University, Cairo, Egypt.
- Visiting Scholar/Associate Professor (July-August 2007), Indian Institute of technology, Bombay, India (IITB)
- Associate Professor (June 2005), Mechanical Engineering Department, college of Engineering, UAE University.
- Associate Professor (October 2003), Mechanical Design Department, Faculty of Engineering, Helwan University, Cairo, Egypt.
- Assistant Professor (September 13, 2000), Mechanical Engineering Department, Faculty of Engineering, UAE University.
- Visiting Scholar (March 1998), Department of Aerospace Engineering, Applied Mechanics and Aviation. The Ohio-State University, Columbus, USA.
- Assistant professor (March 1996 - March 1998), Mechanical Design Department, Faculty of Engineering, Helwan University, Cairo, Egypt.
- Lecturer (November 1995-March 1996), Mechanical Design Department, Faculty of Engineering, Helwan University, Cairo, Egypt.
- PhD Scholar (June 1991- November 1995), under INDO/ARE Cultural Exchange Program, Mechanical Engineering Department, Indian Institute of Technology, Bombay (IITB), India.
- Lecturer (May 13, 1989 - June 1991), Mechanical Design Department, Faculty of Engineering, Helwan University, Cairo, Egypt.
- Assistant Lecturer (October 1984 – May 1989), Mechanical Design Department, Faculty of Engineering, Helwan University, Cairo, Egypt.
- Demonstrator (September 1981 - October 1984), Mechanical Design Department, Faculty of Engineering, Helwan University, Cairo, Egypt.

SCIENTIFIC AND PROFESSIONAL SOCIETIES

- American Society of Testing and Materials (ASTM)- membership # 1674013.
- American Society of Mechanical Engineers (ASME)- membership # 7793383.

PROFESSIONAL REGISTRATION

- Egyptian Syndicate of Engineers – membership# 19/5336
- Indian Institute of Technology Bombay (IITB) Alumni Association (code No 960002).

HONORS, PRIZES AND AWARDS FELLOWSHIPS, SCHOLARSHIPS

Given for Research and Teaching Achievements

- Received certificate of appreciation from the Dean of college of engineering, United Arab Emirates University for the achievements in 2018-2019.
- Received best paper award for the paper titled “Response surface analysis of statistical features of voltage and current in a GMAW power source on welding V groove joints”, in the AIET -2019, 24-25 April 2019, organized by Manipal Academy of higher education, Dubai.
- Received best paper award for the paper titled “Experimental investigation of syngas production through gasification of biomass char in a fluidized bed reactor”, in the AIET-2019, 24-25 April 2019, organized by Manipal Academy of higher education, Dubai.
- Received first place with my student Amir Hussain Idrisi in Graduate Student Research and Innovation Competition 2019 under most innovative idea category at UAE University.
- Received 2nd place award in “The Forth Annual Explore Mars Research Competition: focusing on Mars science” competition, Dubai on 21-22 of January with my student Amina Almarri (201406144). The competition is organized by Mohammad Bin Rashed Space Center <https://mbrsc.ae/en/page/explore-mars-competition>. The winners were awarded money prizes (7000 DHS for 2nd place), a trophy and certificate. This award adds to UAEU reputation.
- Received best poster presentation award for Mechanical properties of Wistar rat bones, 4th Annual Undergraduate Student Research Conference (USRC) 2018, held on the 17th of April 2018 - United Arab Emirates University.
- Received (November 22, 2016) the first-place certificate for winning the first place in the most innovative idea category during the innovation and creativity competition (Lithography system of my Master student, Mohammad Ziauddin research work)
- Received (2016) the certificate for effectively supervising the 2nd place winner at the national level in the 2016 “Think Science competition and fair in the category of applied science and engineering.
- Received (April 28, 2016) certificate of participation for the valued participation in the 2nd annual UAE Graduate Students Research Conference April 27-28, 2016.
- Received (21st November 2016) certificate of participation for participating in the innovation and creativity competition, UAEU, COE.
- Received certificate of achievements in recognition for the dedication and outstanding service as a judge in the 2015 chancellor’s innovation award.
- Received (12-12-2015) a motivational award of the Granted Patent (#US 9,347,216 B2, date 24/5/2016), Thermal Insulation Material Made of Date-Pits.
- Received the 2nd rank of the Chancellor Award for Institutional Excellence: Distinguished Employee in Specialized Jobs – Academic_ 2015,
- Received (2015) a Certificate of Achievements and recognition in research excellence for publishing in top 5% journals and bringing recognition to the UAEU.
- Received (2015) a Certificate of Achievements and recognition in research excellence for publishing in top 10% journals and bringing recognition to the UAEU
- Received a letter of designation as a graduate faculty (level 5) September 2, 2015
- The award of the best paper in the UAE Graduate Students Research Conference GSRC, 22-24 March, 2015: Mariam Ahmed Al-Dhaheri, Frank van Liempt; Soufiyane Ait El Hadj; Abdel-Hamid Ismail Mourad, Analytical and Numerical Modeling for Single Lap-Joint Bond-line Region. <http://www.uaegsrc.ae/award-2015>
- One of my undergraduate research opportunity projects UGRO1, Muscle memory facilitator and enhancer for hand drilling operations reached to the final stage of Think Science Cooptation competition, 2015.
- Received a motivational award and certificate of Granted Patent (# GB2503032)/ Serviceable bioreactor, 28-May 2014
- Recipient of the monthly salary merit increase (from Associate Provost and Chief Academic Officer) as a recognition for the exceptional service and contribution to the success of UAEU students through the commitment and hard work (AY 2006/2007).
- Recipient of monthly salary increase (from the Vice Chancellor) as a recognition for offering excellent services (in teaching, and research), effective January 1, 2007.

- Visiting scholar (associate professor) to the Indian Institute of Technology, Bombay, India, June-August, 2007) with monthly honorarium/consolidated salary.
- As an international recognition for my research quality, three of my publications were ranked by Science Direct as TOP25 hottest articles (the most downloaded articles). The first one has been published in polymer testing journal (2005) and the other two papers have been published in engineering failure analysis (2007 and 2009). **(Certificates are attached at the end of the CV)**
- Elected through male students' voting (arranged by the Student Engineering Society, UAEU) as a Super Academy Faculty for my outstanding developments and excellence in teaching (AY 2004/2005). The award (plaque) and the certificate of appreciation have been received from the college of Engineering Dean during the graduation ceremony of male students, January 3, 2005.
- My Master's degree thesis proposal entitled "elastic plastic stable crack growth" was among the 8 proposals recommended for support (8 K USD) from the graduate scholarships program at the UAEU, May 31, 2002.
- Postdoctoral fellowship, March 1998, Department of Aerospace Engineering, Applied Mechanics and Aviation. The Ohio-State University, Columbus, USA, 1998.
- PhD Scholarship of the INDO/ARE Cultural Exchange Program for PhD, 1991.
- Inclusion in the 2006 and 2007 Editions of Who's Who in the world.

Given for Service Achievements

- *Coordinator of Mechanical Engineering Graduate Program (MSc, BS-MS and PhD), Fall 2012-2015.*
- *Editor-in-Chief of the Emirates Journal for Engineering Research EJER, UAEU, Spring 2011-Present.*
- *TPC member of the UAE Graduate conference (UAEGSRC'16) <http://www.uaegsrc.ae/>*
- *TPC member and sessions chair of the UAE Graduate conference (UAEGSRC'17), 20-21 March, Khalifa University <http://www.uaegsrc.ae/committees> <http://www.uaegsrc.ae/>*
- *ASTM: Member of the Committee E08 on Fatigue & Fracture*
- *ASME PVP conferences: Topic organized, Session developer and session chair*
- *ASME PVP conference: Member of the Materials and Fabrication committee*
- **International Advisory Board, ICCST/11, AUS Sharjah, UAE,017:**
https://www.aus.edu/info/200227/conferences/596/iccst_11/3
- Received certificate of achievements in recognition for the dedication and outstanding service as a judge in the 2015 chancellor's innovation award.
- Recipient (at the graduation ceremony of female students, May 28, 2007) of award (plaque), certificate and movie of appreciation for the outstanding development and activities and excellence in teaching (AY 2006-2007).
- Recipient of the certificate (September 2006) and the award/plaque (March, 2005) of appreciation for the outstanding contribution to the establishment of the "Roadway, Transportation and Traffic Safety Research Center of the UAE University.
- Recipient of the certificate of appreciation from the Industrial Training & Graduation Projects Unit, Faculty of Engineering, UAEU for the outstanding contribution to the unit activities (AY 07-08), e.g., supervising 31 GP II female students in their scientific trip to Al-Taweelah Power Plant, Abu-Dhabi, April 29, 2008.
- Recipient of the certificate of appreciation from the Industrial Training & Graduation Projects Unit, Faculty of Engineering, UAEU for the outstanding contribution to the unit activities (AY 05-06). Supervise 36 GP II male students in a scientific trip to DUCAB Company, Jabel Ali, Dubai Monday, November 14, 2005.
- Recipient of the certificate of appreciation from AL-AIN Municipality for my contribution to the delivery of workshop on "Effect of thermal aging and UV radiation on performance of locally manufactured waterproofing membranes", June 22, 2005.
- Recipient of four certificates of appreciation, for the outstanding contribution in the preparation of both male and female students Engineering Exhibitions "ENGEX 2002 & 2004".
- Recipient of the certificate of appreciation for the outstanding effort in the preparation of the Faculty of Engineering Safety Manual as per ABET format (2003).
- Recipient of the certificate of appreciation for the continuous advising/counseling and support to UAEU distinguished students/students with outstanding performance (AY 2002/2003).
- Recipient of the award of appreciation from the creativity Club of UAEU, for the outstanding contribution to the club activities (2002/2003).

- Assigned (by the DVC for Academic Affairs, Decree No. 279/2002, 2002) and delegated to MUARC to discuss a memorandum of understanding between UAEU and Monash University, Australia, for establishing the UAEU Accident Research Center MUARC [2002]
- Selected/ assigned by the Vice chancellor office, file No. 21/395, 13 April 2002, to participate in the activities of the Strategies in Traffic Safety Committees-Vehicles Safety and Integrity Committee, Ministry of Interior, Traffic Department, UAE
- Received the certificate of appreciation from the College of Engineering, Tanta University, Egypt, for the outstanding performance and organization of the 4th Engineering tournament held at the Engineering College, Tanta University, Egypt (January, 2000)
- Received the certificate of appreciation from the "General Administration of Students, Helwan University" for distinguished efforts in leading "Alkhada Student Association". The winner of the general 2nd rank in the "Tournament of the Student Associations Festival", 89/99.
- Received the certificate of appreciation for chairing the committee for nominating the student (both male and female) of the most outstanding and distinguished performance (exemplary student), Faculty of Engineering, Helwan University, Egypt (from 1996 up to 1999).

RESEARCH, SCOLARLY, AND CREATIVE ACTIVITIES

RESEARCH INTERESTS:

- Fatigue and Fracture mechanics of materials
- Mechanical behavior of materials
- Biomaterials and Tissue engineering
- Stress analysis
- Stress Corrosion Cracking
- Characterization of materials
- Composites and nanocomposites fabrication and characterization
- Durability and degradation of polymeric and composite materials
- Finite element method.

HOSTING POSTDOCTORAL AND VISITING SCHOLARS

Hosted the following visiting professors, postdoctoral, Fulbright scholars and PhD student.

- Meriam Imane Babaghayou (PhD student) Ammar Telidji University, Mechanical laboratory, Laghouat PO.BOX 37 G 03000, Algeria. (2nd visit: December 17, 2016 to January 7, 2017)
- Meriam Imane Babaghayou (PhD student) Ammar Telidji University, Mechanical laboratory, Laghouat PO.BOX 37 G 03000, Algeria. (1st visit: December 17 2015 up to January 07 2016)
- Prof. Hakim Bouzid, Département de génie mécanique, École de technologie supérieure , Université du Québec, Montréal (Québec), Canada. April 2015 to 23rd May 2015.
- Prof Dehbi Abdelkader, Doyen de la faculté des sciences de la matière Université Ibn Khaldoun Tiaret (Spring 2013)
- Prof Dehbi Abdelkader, Doyen de la faculté des sciences de la matière Université Ibn Khaldoun Tiaret (Spring 2012)
- Prof Dehbi Abdelkader, Doyen de la faculté des sciences de la matière Université Ibn Khaldoun Tiaret (Spring 2011)
- Prof. Beckry Abdel-Magid, Beckry Abdel-Magid, Professor of Composites Materials Engineering, Winona State University. (Fall 2010)

POSTGRADUATE STUDENTS SUPERVISED

Supervised the following Master and PhD theses in different research areas of interest:

PhD Theses

1. Nizamudeen Alungal Cherupurakal, Polyethylene/nanocellulose/silver composite for wound healing application, fall 2018.
2. Dinu Thomas Thekkuden, Integrity assessment of tube-to-tubesheet joints used in nuclear, oil and gas industries, Fall 2017
3. Anusha Mairpady, Development of self-expandable polymeric 3D scaffolds for cartilage repair, Spring 2017, in progress
4. Amir Hussain, Prediction of long- term effects of sustained loads and offshore environment on composite structure, Spring, 2017, in progress
5. John V Christy, Development and Characterization of Sustainable Novel Aluminium Metal Matrix Composite for Industrial Applications, 2017- in progress
6. Kanza Uzair, Energy harvesting, 2017-in progress
7. Betty Mathew, Biomedical engineering, 2017-in progress
8. Zakaria Hossam, Prediction of long –term effects of sustained loads and offshore-environment on composite structures. Spring 2016 (pending).
9. Sunitha Pulikkot, Nanofibrous Scaffolds for Stem Cell Transplantation, Anatomy Department, Medicine College, UAEU, 2010-degree awarded spring 2015.
10. Mudassir, Development of engineering cementitious composite with self-monitoring and the repair system, University of Greenwich, UK (2017).
11. Local supervisor of student Fatima Saeed Al Mazrouei (TC-ENG), ADCO, Abu Dhabi. Student has registered in the PhD program of Manchester University, UK. (2013).
12. Hassan. F. Elsayed, High strain rate properties of polymers for biomedical application, Mechanical Design Department, Faculty of Engineering, Helwan University, Cairo, Egypt & Leeds University, UK, awarded 2001.

Master Theses

13. Mohamad Temraz, Mechanical characterization and stable crack growth behavior of magnesium (Mg) ZK60A alloy (UNS M16600), Fall 2017
14. Mohamed Saeed Barkhad, Development of Heat Insulator Composites Based on Biopolyester, Spring 2017
15. Yasir Rashid, Thermal and structural performance testing of phase change materials integrated into concrete cubes, Fall 2016.
16. Nahla Nureldin Elsheikh El Hag, Vibration Energy Harvesting of a Bistable Composite Beam, Fall 2016-in progress
17. Waseem Yousef Hittini, development of Waste-Based Thermoplastic Composites Heat Insulators, Spring 2016-in progress .
18. Doaa A. Nasser Al Yafeai, Piezoelectric Energy Harvesting Suspension System for a Half Car Model: Analytical and Experimental Study, in progress
19. Yosra Atteya, Effect of Nano-Materials on the Functional Coating for Mechanical Parts, Mechanical Design Department, Faculty of Engineering- Matarya, Helwan University, Cairo, Egypt, 2016-in progress
20. Osama Kamal, Investigating green inhibitors for acidic corrosion of carbon steel, January 2016-in progress
21. Barraq Khalid Abdulrahim, Optimization of high performance structures in automotive systems, Fall 2015-in progress
22. Maryam Hamad Helal Thabt Al Kuwaiti, Characterization of Woven Laminated Carbon/Epoxy Composites for Aerospace Applications, spring 2015-in progress.
23. Omar Ayad, Characterization and Evaluation of Alumina Nanoparticles-dispersed Ultra High Molecular Weight Polyethylene as Hard Tissue Replacements Mechanical Engineering Program, Fall 2015-in progress
24. Eleanora Charnetskaya, Department of Chemistry – Faculty of science – UAE University Development of Hydroxyapatite-polymer Sorbents for the Removal of Heavy Metal Ions from Waste Water, spring 2015-in progress
25. Mohamed Elsayed Ahmed Hussien, Fracture Assessment of Pressure Vessels, Suez Canal University, Faculty of Engineering, Mechanical Engineering Department, Ismailia, Egypt, 2015- in progress.
26. Nizar Youssef Zaaroura, Experimental Investigation of Kevlar Km2plus Nanocomposites Under Low Speed Impact, Materials Science and Engineering Program, Awarded 2015.
27. Muzamil Hassan, Development of Polymeric Heat Insulators Based on Local Clay Fillers, Chemical Engineering Department (2012-2014 awarded).
28. Hamda Hmouda Al Ketbi “Development and Characterization of Hydroxyapatite Ceramic Filters for the Removal of Heavy Metal Ions from Aqueous Media” M.Sc. Program in Environmental Science, awarded spring 2013.
29. Mohammed El Sayed El Sayed Allam, study on the fracture behaviour of friction stir spot welded joints”, MSc program of Mechanical Engineering (awarded 2012)
30. Nuha Fathi Hussien, Fiber-reinforced calcium sulfate bone cement composites with enhanced bioactivity, mechanical properties and controlled biodegradability, awarded 2011.

31. Jaafar Yusuf Altarawneh "Fracture behaviour of cracked full scale steel pipes used for gas and oil industries" (awardee 2010).
32. Ahmed Ibrahim Ahmed, "Stress corrosion cracking of stainless steels used in manufacturing brine circulating pumps used in desalination plants", (awarded 2009).
33. Yahya Abdulla Alzafin Almuhairi, "Stress corrosion cracking of two types of ductile Ni-resist cast irons used in desalination plants", Materials Science and Engineering Program, United Arab Emirates University, 2007.
34. Aladdin Ihsan Abu-Assi, "Ductile crack growth", External Scholarship Program for Master Studies, School of Graduate Studies, United Arab Emirates University, 2005.
35. Raniah Omar Akkad, "Thermal properties of polyethylene-polypropylene blends", Materials Science and Engineering Program, United Arab Emirates University, 2005.
36. Rauda Saeed Ali Saif Al-Sadi, "Effect of thermal aging and UV radiation on performance of locally manufactured waterproofing membranes", Materials Science and Engineering Program, United Arab Emirates University, 2005.
37. Nasser Abdullah Ali Al-Ghailani, "The evaluation of the long term performance of reinforced composites materials based on vinylester resin", Materials Science and Engineering Program, United Arab Emirates University, 2002.
38. Mohammed Juma Humaid al-Ghafri, "Studies on Stable Crack Growth", Materials Science and Engineering Program, United Arab Emirates University, 2002.
39. Amro Abdel-Hadi, "Fatigue behavior of oblique notches", Mechanical Design Department, Faculty of Engineering, Helwan University, Cairo, Egypt, 2001.
40. Doaa Mohamad Nafee, "Investigation of die drawing process effects on the behaviour of polymeric materials", Mechanical Design Department, Faculty of Engineering, Helwan University, Cairo, Egypt, 1998.
41. Abullah Rashid, "An investigation on the effect of heat treatment on the mechanical behavior of low alloy steel", Materials Science and Engineering Program, United Arab Emirates University (pending).
42. Aisha A. M. Shaiban Al-Muhairy, "The effect of some manufacturing process variables on the characteristics of vitreous enameling coatings of directional signs", Materials Science and Engineering Program, United Arab Emirates University (pending).
43. Shamsah Jameel Abdullah, "The Impact of the raw material recipe on the manufacturing and behavior of un-plasticized polyvinyl chloride (PVC-U) Pipes (pending).
44. Ali Khamis Juma Alkaabi, Impact of Local recycling on quality of irrigation pipes and ways to improvement in GCC (pending).

RESEARCH GRANTS

1. Co-PI (with Dr. Kassim Abdullah, Mechanical Engineering, UAEU) Design of the child restraint system for UAE using local anthropometric data (Start-Up project, Spring 2019).
2. CO-PI (with Dr. Sahar, Department of Anatomy, UAEU), Biomimetic porous strontium and Zink doped nano-Hydroxyapatite and polymer composite bone scaffolds for clinical applications, (300,000 AED Spring 2019)
3. PI of Sure+, Manufacturing and characterisation of woven laminated Kevlar KM2plus/epoxy nanocomposites with optimized curing conditions and multiple nanofiller contents, total budget of 65000.00 AEDs grant Summer 2017
4. A-H.I. Mourad, Hakim, Integrity Assessment of tube-to tube joint used in nuclear, oil and gas industries, internal grant/center-based, Fund No. 31R105, budget of 8000000 AED, 19-1-2017.
5. PI of the UGRO5 project " Utilizing friction stir welding technique for aerospace structures industry", budget 30,0000.00 AEDs, (UGRO/ MUBADALA), Fall 2017
6. A-HI Mourad, Arun, Ali Alnaqbi, UAEU/SQU Grant Application Titled: "Development and Characterisation of Sustainable Novel Aluminium Metal, UAEU/SQU Research Project, Budget of 4000000, 19-1-2017
7. PI New methodologies for broadband vibration-energy harvesting, Center Based grant, Budget of 800000AED., Moved to me on January 2017.
8. Co-PI of the NRF project (with Dr. Eisa A. Al Matroushi of chemical and petroleum Engineering and Dr. Yaser Afifi of Chemistry Department) Evaluation of Hydroxyapatite-reinforced Cellulose Nanofibrous Membranes for Water Treatment, (Grant of 320,000.00 Dhs), March 2013 –March 2015-moved to my name at October 2016. (continue up to 2017)
9. PI of Externally research project (UGRO/ MUBADALA), Characterization of composite and nano composite materials for aircraft structures industrial applications using house-made weathering chamber, AED 28,000.00 Fall 2016.
10. PI of the UPAR research project, Prediction of long-term effects of sustained loads and offshore-environment on composite structures. AED 700,000.00, UAEU, Spring 2016

11. Optimization of nano-filler contents in woven laminated nano-composites for best industrial applications performance. Program Summer of 2016, Budget of 45,000.00 AED
12. PI of the SURE research project, Development of versatile withering chamber and studying the weathering and erosion performance of composite materials. Summer Undergraduate Research Experiences (SURE) Program Summer of 2015, Budget of 45,000.00 AED
13. PI of the SURE research project, Development of versatile withering chamber and studying the weathering and erosion performance of composite materials. Summer Undergraduate Research Experiences (SURE) Program Summer of 2015, Budget of 45,000.00 AED.
14. PI of Externally funded research project (UGRO/ MUBADALA)t, Influence of electrical current on SMA behavior: Development of a small scale surface actuator driven by electrical current controller, Undergraduate Research Opportunities in Aerospace Engineering and Related Technologies, AED 20,000.00 Fall 2015.
15. PI, of Externally funded research project (UGRO/ MUBADALA), Muscle memory facilitator and enhancer for hand drilling operations, Undergraduate Research Opportunities in Aerospace Engineering and Related Technologies”, AED 40,000.0, MUBADALA, Spring 2014 & extension for Spring 2015.
16. **PI**, Experimental and Improved Fe Analysis-Base Design and/or Repair of Aircraft Structural Components Made of Composite Materials, in-kind support, **STRATA**, Spring 2015.
17. PI, of Externally funded research project (UGRO/ MUBADALA), Design and development of a controlled test chamber for testing aircraft structural components subjected different environmental conditions, Undergraduate Research Opportunities in Aerospace Engineering and Related Technologies, AED 40,000.0, MUBADALA, Fall 2014 & extension for Fall 2015.
18. PI Abdel-Hamid Mourad and Saud Khashan, On-chip microfluidic system for multi-target cell separation and sorting, UAEU-NRF Research Grant #: 31N130 Grant 2013/2014. Budget of 800000 AED. Moved to me at the end of Fall 16.
19. Co-PI (PI Dr. Basim Abu-Jdayil), Thermoplastic Heat Insulators Based on Local Wastes, Energy center, AED 480,000 for 3 years-2014 up to 2017
20. PI (with Dr Yasser of faculty of science and Prof. Sherif Karam of faculty of medicine) of Interdisciplinary project “Formation, Characterization and In Vitro Evaluation of Alumina Nanoparticles-reinforced Polymer Composites for Biomedical Applications”, total budget of 140,000.00 AED, 2013-running up to Spring 2017.
21. Co-PI (with Dr. Mohammad Sayem, Chemical & Petroleum Engineering Department) of the research project “Development and characterization of biocompatible polymeric powder coatings”, approved for funding with a total grant of 30,000.00 Dhs, 2013
22. C-PI (with Dr. Mohammad Mozumder (PI) of chemical and petroleum engineering department and Md. Emdadul Haque, college of Medicine) of the UPAR Grant for the research project “Development and characterization of nanobiocomposites for biomedical applications”. Approved for funding by the University Research Council (URC). The approved total budget is 385000.00 AED, April, 2013-Running up to 2016.
23. CO-PI (Ali Hilal Alnaqbi, PI) of the Startup project “Fibre in Fibre Bioartificial Liver Device (so-called Emirates EmLAD) Evaluation using Adult Stem Cells” The approved total budget is 500000.00 AED, August, 2013
24. C-PI, (with Dr. Mohammad Mozumder (PI) and Dr. Muftah Elnaas of chemical and petroleum engineering department) of the Startup project “Development of Superhydrophobic Self-Cleaning Powder Coatings for Solar Panels”. The approved total budget is 44200.00 AED, August, 2013-Running up to 2017
25. PI, PI of Externally funded research project (UGRO/ MUBADALA), Redesign and Manufacturing of Fixed Flap Track Fairing, in-kind support, STRATA, Spring 2014
26. **PI** of the NRF project (with Dr. Eisa A. Al Matroushi of chemical and petroleum Engineering and Dr. Yaser Afifi of Chemistry Department) Evaluation of Hydroxyapatite-reinforced Cellulose Nanofibrous Membranes for Water Treatment, (Grant of 320,000.00 Dhs), March 2013 –March 2015.
27. Co-PI of the NRF research project (with Dr. Yaser Afifi Chemistry Department, Faculty of Science and Prof. Sherif Karam of Faculty of Medicine) “Nanofibrous scaffolds for stem cell transplantation II. Development, biomechanical characterization and in vitro and in vivo evaluation” 320,000.00 march 2013-march 2015.
28. PI of the research project “Development of forming limit diagrams for sheet-metals: Experimental and theoretical study”, approved for funding with a total grant of 30,000.00 Dhs, 2011
29. CO-PI of the NRF research project (with Dr. Yaser Afifi Chemistry Department, Faculty of Science and Dr. Sharif Karam of Faculty of Medicine) “Nanofibrous Scaffolds for Stem Cell Transplantation”. It has been approved for funding from the National Research foundation, UAE (Grant of 482, 000.00 Dhs), April 2011- April 2013.
30. Co-PI of the NRF research project (with Dr. Basim Abu-Jadayil of Chemical and Petroleum Engineering), “Production of Heat Insulators Based on Scrap-Tires and Date pits”, Grant AED 744,562.50), UAEU Research Comptition-2011.
31. Co-I (with Dr. Abdelkader Dhabbi and Dr. Bouaza Amar) of the research project “Study of the durability of polyethylene films used in the dry environmental conditions in the eastern highlands regions of Algeria. The project

has approved for funding by Agence National pour le Développement de la Recherche Universitaire (AUDRU) (total budget of 15000 EURO), the project started on 05/05/2011-in progress.

32. PI of the research project, Characteristics of Fracture behavior of friction stir spot welded joint, approved for funding with a total grant of 15,000.00 Dhs (grant #31N046-1682-07-01-1), March 11, 2010.
33. PI of the research project “Durability of FRP composites exposed to sea-water and high temperature under sustained loading”, approved for funding with a total grant of 20,000 Dhs, January 12, 2009.
34. PI of the project, Design and Construction of a Versatile Portable Testing Frame. The project funded by ADWEA (Grant of 155,000.00 Dhs) May, 2009- in progress.
35. Co-PI, Effectiveness of FRP Bars in Reinforcing Concrete Structures in the Gulf Region, approved for funding (Grant of 300,000 Dhs) Dubai Municipality Center, April, 2008.
36. PI of the research project “Thermomechanical characteristics of hydroxyapatite-polymer Composites”, approved for funding with total grant of 20,000 Dhs, Grant # 03-05-7-11/07 (2007-2008).
37. Co-PI of the research project “Stress Corrosion Cracking of Materials Used in Manufacturing Brine Circulating Pumps of Desalination Plants”, approved for funding with a total grant of 17000 Dhs. Grant # 09-05-7-11/07, (2007-2008).
38. Co-PI of the Interdisciplinary project (with Dr. Basem Alu-Jadayil of chemical and petroleum engineering department) “Waterproof Polymeric Heat Insulators Based on Micronized and Nano-Sized Fillers”. The project has been approved for funding (Grant of 120,000.00 Dhs), Fund Code 31N092, 2011PI the research project “Development of Novel Hydroxyapatite-polymer Composites as Medical Devices for Hard Tissues Replacements. Recommended for funding with total grant of 180,000 Dhs (fall 2006), grant # 04-05-7-12-06. (2007-2010).
39. Co-PI of the research project "A study on the Performance of Ductile Ni-Resist Austenitic Cast Iron Used in Desalination Plants", approved for funding with a total grant of 17,000.00 (2004-2005).
40. PI of the research project "Elastic-plastic stable crack growth, Research project for Master Degree", Funded by External Scholarship Program for Master Studies, School of Graduate Studies-UAEU with a total grant of \$ 8 thousand US (2002-2004).
41. Co-PI of the individual research project “A study on the evaluation of porcelain enamels of directional signs used in the United Arab Emirates”, Funded by UAEU Research Council with a total grant of 17.000 Dhs, Grant # 01-05-11/03. AY 2002-2003,
42. Co-PI of the individual research project “Long term performance of fiber-reinforced composite”, Individual research grant, UAEU Research Council, Grant # 22-7-11/01, 2001-2002.
43. PI of the individual research project "Investigation on Stable Crack Growth”, Funded by the Research Council, UAEU with a total grant of 12000 Dhs, Grant # 01/11-7-21/01, 2001-2002.

b. Internally Funded Interdisciplinary, UPAR, and center based Research Projects: (UAEU)

44. PI of UPAR project, Polyethylene/Cellulose nanocrystals/Silver nanocomposites for wound dressing applications: fabrication and in vitro studies
45. PI of Sure+ project, Fabrication and Characterization of UHMWPE/CNC Nanocomposites as acetabular liners for Total Hip arthroplasty.
46. CO-PI of Sure+ project, Development of high density polyethylene-cellulose nanocrystals (HDPE-CNC) nanocomposites and their application as fire resistant materials in textile industries
47. Co-PI of UPAR project, Development of innovative biodegradable PLA and PGLA hydrogels as ocular (i.e., eye) implants for ocular drug delivery

c. Externally Funded Research Projects

1. Contributed in securing an international funding (with a total of two million Dhs.) for an externally funded project, “In-depth Crash Investigation of Roadway Crashes in Al-Ain”, through the UAE Roadway Transportation and Traffic Safety Research Center (2004-2007). The project has been conducted by the team work of the UAEU Traffic Safety Research Center in collaboration with the Monash University Accident Research Center, Australia.

PUBLICATIONS

Patents:

<https://patents.justia.com/inventor/abdel-hamid-ismail-mourad>
<https://www.google.com/patents/US9347216>

- 1- Granted patent "Smart drill guide device for muscle training of hand drilling operations", Patent number: **US 10,339,831 B2**, Publication date: July 2, 2019, Inventors: Abdel-Hamid Mourad, Azza Abdulla Alshehhi, Maryam Salem Al Kaabi.
- 2- Granted Patent Thermal Insulation Material Made of Date-Pits and Unsaturated Polyester (#US 9,347,216 B2, date 24/5/2016), Inventors Basem Abu-Jdayil and Abdel-Hamid Mourad.
<https://www.google.com/patents/US9347216?dq=US+9,347,216+B2+patent&hl=en&sa=X&ved=0ahUKEwirz6WytIPTAhXIuBQKHbelBfkQ6AEIGzAA>
- 3- Granted Patent "Serviceable Bioreactor": Publication number US 20140310932 A2, Application number US 13/863,123, Publication date Oct 23, 2014, Filing date Apr 15, 2013, Also published as US9718029, US20130333178, Inventors Ali Abdullah Hilal-Alnaqbi and Abdel-Hamid Ismail Mourad,
<https://www.google.com/patents/US20140310932> publication date Aug. 1, 2017.
- 4- Patent "Metal chips compactor": Application No. 62/255,716, Publication number: 20170136721, Filed: November 15, 2016, Publication date: May 18, 2017) in the name of UAEU.
- 5- Patent "Smart drill guide device for muscle training of hand drilling operations", Application No 14/947,372, Publication number: 20170148351, Filed: November 20, 2015, Publication date: May 25, 2017.
- 6- Patent "Load testing system and device for sustain load measurement over time in different environmental conditions", Application No 14/942,110, Publication number: 20170138827, Filed: November 16, 2015, Publication date: May 18, 2017) for "Load testing system and device for sustain load measurement over time in different environmental conditions"
- 7- Patent: Serviceable bioreactor, Type Application, Patent number: 20130333178, Filed: April 15, 2013, Publication date: December 19, 2013, Applicant: United Arab Emirates University, Inventors: Ali Abdullah Hilal-Alnaqbi, Abdel-Hamid Ismail Mourad
- 8- Patent: Serviceable bioreactor, Type Application, Patent number: 20140310932, Filed: April 15, 2013, Publication date: October 23, 2014, Applicant: United Arab Emirates University, Inventors: Ali Abdullah Hilal-Alnaqbi, Abdel-Hamid Ismail Mourad
- 9- Patent: A method for treating a biological fluid", US non-provisional application no. 15/490,594 based on US provisional application no. 62/341,905 in the name of United Arab Emirates University, Inventors: Ali Hilal Alnaqbi; Abdel Hamid Mourad; Azza Abdulla Alshehhi; Mariam Sultan Almarzooqi; Rania Yaslam Aljaberi; Sherina Matar Almuhairei
- 10- Patent number 20170340802, Method For Treating A Biological Fluid, Ali Hilal Alnaqbi, Abdel Hamid Mourad, Azza Abdulla Alshehhi, Mariam Sultan Almarzooqi, Rania Yaslam Aljaberi, Sherina Matar Almuhairei.
https://scholar.google.com/citations?hl=en&user=PcDkR-cAAAAJ&view_op=list_works&sortby=pubdate, Publication date: 2017/8/1.
- 11- US Patent number 9718029B2, Serviceable bioreactor, inventors Ali Abdullah Hilal-Alnaqbi, Abdel-Hamid Ismail Mourad, https://scholar.google.com/citations?hl=en&user=PcDkR-cAAAAJ&view_op=list_works&sortby=pubdate, Publication date, 2017/8/1

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1. Hittini, W., Mourad, A. H. I., & Abu-Jdayil, B. (2019). Cleaner production of thermal insulation boards utilizing buffing dust waste. *Journal of Cleaner Production*, 236, 117603.
2. Idrisi, A. H., & Mourad, A. H. I. (2019). Conventional stir casting versus ultrasonic assisted stir casting process: Mechanical and physical characteristics of AMCs. *Journal of Alloys and Compounds*, 805, 502-508.
3. Ismail Mourad, A. H., Idrisi, A. H., Christy, J. V., Thekkuden, D. T., Al Jassmi, H., S Ghazal, A., ... & Darwish, O. (2019). Mechanical Performance Assessment of Internally-Defected Materials Manufactured Using Additive Manufacturing Technology. *Journal of Manufacturing and Materials Processing*, 3(3), 74.
4. Arunachalam, R., Piya, S., Krishnan, P. K., Muraliraja, R., Christy, J. V., Mourad, A. H. I., & Al-Maharbi, M. (2019). Optimization of stir-squeeze casting parameters for production of metal matrix composites using a hybrid analytical hierarchy process–Taguchi-Grey approach. *Engineering Optimization*, 1-18.
5. Sabry, I., El-Kassas, A. M., Mourad, A. H. I., Thekkuden, D. T., & Abu Qudeiri, J. (2019). Friction Stir Welding of T-Joints: Experimental and Statistical Analysis. *Journal of Manufacturing and Materials Processing*, 3(2), 38.

6. Mourad, A. H., Zaaroura, N., & Cherupurakal, N. (2019). Wet lay-up technique for manufacturing of advanced laminated composites. *Karbala International Journal of Modern Science*, 5(1), 5.
7. Abu Qudeiri, J. E., Saleh, A., Ziout, A., Mourad, A. H. I., Abidi, M. H., & Elkaseer, A. (2019). Advanced electric discharge machining of stainless steels: Assessment of the state of the art, gaps and future prospect. *Materials*, 12(6), 907.
8. Abu-Jdayil, B., Mourad, A. H., Hittini, W., Hassan, M., & Hameedi, S. (2019). Traditional, state-of-the-art and renewable thermal building insulation materials: An overview. *Construction and Building Materials*, 214, 709-735.
9. Sabry, I., El-Kassas, A. M., Mourad, A. H. I., Thekkuden, D. T., & Abu Qudeiri, J. (2019). Friction Stir Welding of T-Joints: Experimental and Statistical Analysis. *Journal of Manufacturing and Materials Processing*, 3(2), 38.
10. Benabid, F. Z., Kharchi, N., Zouai, F., Mourad, A. H. I., & Benachour, D. (2019). Impact of co-mixing technique and surface modification of ZnO nanoparticles using stearic acid on their dispersion into HDPE to produce HDPE/ZnO nanocomposites. *Polymers and Polymer Composites*, 0967391119847353.
11. Hittini, W., Abu-Jdayil, B., & Mourad, A. H. (2019). Development of date pit-polystyrene thermoplastic heat insulator material: Mechanical properties. *Journal of Thermoplastic Composite Materials*, 0892705719847242.
12. Abu-Jdayil, Basim, Waseem Hittini, and Abdel-Hamid Mourad. "Development of Date Pit-Polystyrene Thermoplastic Heat Insulator Material: Physical and Thermal Properties." *International Journal of Polymer Science* 2019 (2019).
13. Ahmed Hassan, Yasir Rashid , Abdel-Hamid I. Mourad*, Najif Ismail and Mohammad Shakeel Laghari Thermal and Structural Characterization of Geopolymer-Coated Polyurethane Foam—Phase Change Material Capsules/Geopolymer Concrete Composites, *Materials*, 12, 796; doi:10.3390/ma12050796, 2019
14. J Hatton, GR Davis, AHI Mourad, N Cherupurakal, RG Hill, S Mohsin , Fabrication of Porous Bone Scaffolds Using Alginate and Bioactive Glass, *Journal of Functional Biomaterials* 10 (1), 15, 2019.
15. Mohammad Sayem Mozumder, Mairpady Mairpady Anusha, Abdel-Hamid I. Mourad, HDPE/TiO₂ Nanocomposite: Fabrication and Optimization of Mechanical Property by RSM and ANN, *Solid State Phenomena*, vol. 287, pp 54-58, 2019.
16. Imane Tiffour, Salah Bassaid, Abdelkader Dehbi, Abdelkader Belfedal, Abdel-Hamid I Mourad, Andreas Zeinert, Realization And Characterization Of A New Organic Thin Film Semiconductor, *Surface Review and Letters*, orld Scientific Publishing Company, vol. 26, issue 1, pp 1850127, 2019.
17. Krishnan, P. K., Christy, J. V., Arunachalam, R., Mourad, A. H. I., Muraliraja, R., Al-Maharbi, M., ... & Chandra, M. M. (2019). Production of aluminum alloy-based metal matrix composites using scrap aluminum alloy and waste materials: Influence on microstructure and mechanical properties. *Journal of Alloys and Compounds*.
18. Mourad, A. H. I., Idrisi, A. H., Wrage, M. C., & Abdel-Magid, B. M. (2019). Long-term durability of thermoset composites in seawater environment. *Composites Part B: Engineering*, 168, 243-253.
19. Mozumder, M. S., Mourad, A. H. I., Pervez, H., & Surkatti, R. (2019). Recent developments in multifunctional coatings for solar panel applications: A review. *Solar Energy Materials and Solar Cells*, 189, 75-102.

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2. John Christy, Abdel-Hamid Ismail Mourad, Ramanathan Arunachalam, "Mechanical and tribological evaluation of aluminum metal matrix composite fabricated by gravity and squeeze stir casting", *ASME PVP 2019*. (Accepted)
3. Amir Hussain Idris, Abdel-Hamid Ismail Mourad, Beckry Abdel Magid, Mohammad Mozumder, Yaser afifi, "Impact of the harsh environment on E-glass epoxy composite", *ASME PVP 2019*. (Accepted)
4. Abdel-Hamid I. Mourad, Yaser E. Greish, Omar G. Ayad ,Processing and Mechanical Performance of Hydroxyapatite-UHMWPE Composites, *Advanced Materials, Design and Manufacturing, ASET 2019*, Dubai, UAE
5. Amir Hussain Idrisi, Abdel Hamid Ismail Mourad, Wear performance analysis of Aluminum matrix composites using Artificial neural network, *Advanced Materials, Design and Manufacturing, ASET 2019*, Dubai, UAE
6. Betty Titus Mathew, A-H. I. Mourad, Toxicity assessment of date pit activated carbon nanomaterials in hepatocytes, *Engineering Innovations in Healthcare, ASET 2019*, Dubai, UAE
7. Doaa Al-Yafea, Tariq Darabseh, Abdel-Hamid I. Mourad, Quarter vs. Half Car Model Energy Harvesting Systems, *Renewable and Sustainable Energy, ASET 2019*, Dubai, UAE

8. Farah Genena, Asel Mwafy, Mouza Al Mansoori, Abdel-Hamid Ismail Mourad, Investigating on mobile usage patterns and reasons by university students in the UAE inside classrooms, 2019 Advances in Science and Engineering Technology (ASET) International Conference, ASET 2019, Dubai, UAE
9. Edgar Mejia, Abdel-Hamid Ismail Mourad, etc., Impact on HDPE Mechanical Properties and Morphology due to Processing, 2019 Advances in Science and Engineering Technology (ASET) International Conference, ASET 2019, Dubai, UAE

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1. Hassan, A., Ismail, N., Mourad, A. H., Rashid, Y., & Laghari, M. (2018). Preparation and Characterization of Expanded Clay-Paraffin Wax-Geo-Polymer Composite Material. *Materials*, 11(11), 2191.
2. Matter, Y. S., Darabseh, T. T., & Mourad, A. H. I. (2018). Flutter analysis of a viscoelastic tapered wing under bending-torsion loading. *Meccanica*, 53(15), 3673-3691.
3. Greish, Y., Attia, N., & Mourad, A. H. (2018). Formation and Biomimetic Deposition of Bone-like Hydroxyapatite on Wollastonite-gypsum Composites. *Journal of Bionic Engineering*, 15(5), 894-906.
4. Mourad, A. H. I., & Zaaroura, N. (2018). Impact of Nanofillers Incorporation on Laminated Nanocomposites Performance. *Journal of Materials Engineering and Performance*, 27(9), 4453-4461.
5. Gherras, Hammou, Ahmed Yahiaoui, Aicha Hachemaoui, Abdelkader Belfedal, Abdelkader Dehbi, and Abdel-Hamid I. Mourad. "Synthesis and characterization of poly (2, 5-diyl pyrrole-2-pyrrolyl methine) semiconductor copolymer." *Journal of Semiconductors* (2018).
6. Mohammed, Mohammed Ziauddin, Abdel-Hamid I. Mourad, and Saud A. Khashan. "Maskless Lithography Using Negative Photoresist Material: Impact of UV Laser Intensity on the Cured Line Width." *Lasers in Manufacturing and Materials Processing* 5, no. 2 (2018): 133-142.
7. Thekkuden, Dinu Thomas, A. Santhakumari, A. Sumesh, Abdel-Hamid I. Mourad, and K. Rameshkumar. "Instant detection of porosity in gas metal arc welding by using probability density distribution and control chart." *The International Journal of Advanced Manufacturing Technology* (2018): 1-24.
8. Babaghayou, M. I., Abdel-Hamid I. Mourad, Vicente Lorenzo, S. F. Chabira, and M. Sebaa. "Anisotropy evolution of low density polyethylene greenhouse covering films during their service life." *Polymer Testing* 66 (2018): 146-154.
9. Dehbi, Abdelkader, Boulos Youssef, Pietro Picuno, and Dina Statuto. "Physical and gas permeation properties of five-layer polyethylene film used as greenhouse roof." *Journal of Agricultural Engineering* 49 (2018).
10. Qudeiri, Jaber E. Abu, Abdel-Hamid I. Mourad, Aiman Ziout, Mustufa Haider Abidi, and Ahmed Elkaseer. "Electric discharge machining of titanium and its alloys." *The International Journal of Advanced Manufacturing Technology* 96, no. 1-4 (2018): 1319-1339.
11. Mathew, Betty Titus, Shaima Raji, Sawsan Dagher, Ali Hilal-Alnaqbi, Abdel-Hamid Ismail Mourad, Sulaiman Al-Zuhair, Mahmoud Al Ahmad, Khaled Abbas El-Tarabily, and Amr Amin. "Bilirubin detoxification using different phytomaterials: characterization and in vitro studies." *International journal of nanomedicine* 13 (2018): 2997.
12. Mozumder, Mohammad Sayem, Abdel-Hamid I. Mourad, Anusha Mairpady, Hifsa Pervez, and Md Emdadul Haque. "Effect of TiO₂ Nanofiller Concentration on the Mechanical, Thermal and Biological Properties of HDPE/TiO₂ Nanocomposites." *Journal of Materials Engineering and Performance* 27, no. 5 (2018): 2166-2181.
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14. Gherras, Hammou, Ahmed Yahiaoui, Aicha Hachemaoui, Abdelkader Belfedal, Abdelkader Dehbi, and Abdel-Hamid I. Mourad. "New Technique for Synthesis of poly (2, 5-diyl pyrrole-2-pyrrolyl methine) Semiconductor Copolymer."
15. Jaber E. Abu Qudeiri¹, Abdel-Hamid Mourad, Aiman Zaiout, Mustufa Haider Abidi, Ahmed Elkaseer Electric Discharge Machining of Titanium and its Alloys: Review, accepted for publication, *The International Journal of Advanced Manufacturing Technology*, 2018

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1. Anusha Mairpady, A S Mohammad Sayem Mozumder and Abdel-Hamid I. Mourad, HDPE/TiO₂ nanocomposite: Fabrication and optimization of mechanical property by RSM and ANN, 9th International Conference on Manufacturing Science and Technology (ICMST 2018), August 11-13, 2018, Kuala Lumpur, Malaysia.
2. Mourad, A. H. I., Al Mansoori, M. S., Al Marzooqi, L. A., Genena, F. A., & Cherupurakal, N. (2018, July). Optimization of Curing Conditions and Nanofiller Incorporation for Production of High Performance Laminated

- Kevlar/Epoxy Nanocomposites. In ASME 2018 Pressure Vessels and Piping Conference (pp. V06AT06A042-V06AT06A042). American Society of Mechanical Engineers.
3. El-Sayed, M., El Domiaty, A., Mourad, A. H. I., & Lotfy, M. (2018, July). Leak Before Break Fracture Assessment for X70 Steel Pressurized Tubes With Axial Surface Crack. In ASME 2018 Pressure Vessels and Piping Conference (pp. V06AT06A026-V06AT06A026). American Society of Mechanical Engineers.
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 5. Abdel hamid Mourad, Mouza Saeed Suhail Rassas Almansoori, Lamia Aziz Alh Mohamed Almarzooqi, Farah Ashraf Ahmed Genena, Nizamudeen A C, Optimizing the curing conditions and nanofiller contents for manufacturing high performance Kevlar KM2 Plus/ epoxy nanocomposites, ASME PVP 2018 conference, July 15-20, 2018 (Accepted)
 6. A.I.Mourad, A.M.Ghazal, M. M. Syam, O. D. Al Qadi, Utilization of additive manufacturing and process parameters in evaluating the performance of internally defected materials, 5th International Conference on Machine Design and Manufacturing Engineering (ICMDME2018), January 22-23,2018.
 7. Amir Hussain Idrisi, Abdel-Hamid Ismail Mourad, Dinu Thomas Thekkuden, John Victor Christy, Wear behavior of AA 5083/SiC nano-particle metal matrix composite: Statistical analysis, 5th International Conference on Machine Design and Manufacturing Engineering (ICMDME2018), January 22-23,2018.
 8. Mohammed Ziauddin, Abdel-Hamid I. Mourad, Cost Effective Maskless Lithography, ASET 2018 First Multi Conference on Advances in Science and Engineering Technology (Accepted)

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1. Imane Tiffour, Salah Bassaid, Abdelkader Dehbi, Abdelkader Belfedal, Abdel-Hamid I Mourad, Andreas Zeinert, Realization and characterization of a new organic thin film semiconductor, Surface Review and Letters, 2017, <https://doi.org/10.1142/S0218625X18501275>.
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4. Amir Idrisi, AHI Mourad, Fabrication and Wear Analysis of Aluminium Matrix Composite Reinforced by SiC Micro and Nano Particles, ASME 2017 Pressure Vessels and Piping Conference, V06AT06A033-V06AT06A033.
5. A Hilal-Alnaqbi, AHI Mourad, Adsorption Study of Albumin Bound Bilirubin Over Date Pits Activated Carbon, Advanced Science Letters 23 (5), 4251-4253, 2017
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7. Basim Abu-Jdayil, A-H. I. Mourad, Muzamil Abdalla, Development of polymeric heat insulators based on Emirati red shale filler: Thermal and Physical Properties, accepted for publication, Polymer Composites, 2017. DOI: 10.1002/pc.24356
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9. A-H.I. Mourad, MS Mozumder, A Mairpady, H Pervez, UM Kannuri, On the Injection Molding Processing Parameters of HDPE-TiO₂ Nanocomposites, Materials 10 (1), 85, 2017
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11. M MOHAMMAD S, AHI MOURAD, M ANUSHA, P HIFSA, K UMA M, Mechanical and thermal properties of maleic anhydride grafted HDPE (Hdpe-G-Mah) nanocomposites enriched with tio₂ nanoparticle, Proceedings of Research for a 9th International Conference, Edinburgh, United Kingdom, 22nd -23rd July 2017,pp 25-31., 2017

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3. Rabih, Sayed, Ashfaq, A-H. I. Mourad, Optimization of Nano-filler Contents in Woven Laminated Nano-composites for Best Performance, 5th United Arab Emirates Undergraduate Research Competition, 8th May 2017, Abu Dhabi University, Khalifa City Campus.
4. Rabih, Sayed, Ashfaq, A-H. I. Mourad UAEU conference
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52. A.-H. I. Mourad, “Investigation on the effect of state of stress on mode II stable crack growth”, the third Annual Research Conference at The United Arab Emirates University, April 30th –May 1st, pp. D-84-D-86, 2002.
53. Adel-Hammami, A.-H. I. Mourad, Ahmed Al-Awar and Nasser Al-Ghuilani, “Long –term performance of fiber-reinforced composite”, The third Annual Research Conference at the United Arab Emirates University, April 30th – May 1st, pp. D-88-D-89, 2002.

Publication of educational articles

1. Mohamed Y E Selim and A H I Mourad, Factors affecting how the engineering students select their discipline at UAE University: A Case Study, accepted for presentation and to be included in proceedings of, The European Conference on Education, June 30 - Sunday, July 2, 2017
2. Mohammad Sayem Mozumder¹, Abdulrahman Alraeesi¹ and Abdel-Hamid I. Mourad, Awareness of UAE University Chemical Engineering Students on ABET Accreditation criterion/a-k outcomes, Merit Research Journal of Education and Review (ISSN: 2350-2282) Vol. 4(7) pp. 101-112, July 2016.
3. Mohammad Sayem, Mozumder, Abdulrahman, Alraeesi, Abdel-Hamid, I. Mourad, awareness of UAE university chemical engineering students on abet accreditation, Papers Proceedings of International Conference on Advances in Education, Teaching & Technology 2016 (978-1-988652-00-9).
4. A. Hilal-Alnaqbi, S. Sivaloganathan, A.-H. Ismail Mourad, Experience in teaching entrepreneurs using different approaches in capstone course in a master of engineering management program, edulearn16 Proceedings, pp. 8024-8035, 2016. 4th - 6th of July, 2016. <https://library.iated.org/view/HILALALNAQBI2016EXP> doi: [10.21125/edulearn.2016.0761](https://doi.org/10.21125/edulearn.2016.0761)
5. B. Alsayyed, A.-U. I. Mourad, A H Alnaqbi, Qualitative versus quantitative course assessment, Proceedings of the 2015 International Conference on Industrial Engineering and Operations Management Dubai, United Arab Emirates (UAE), March 3 – 5, 2015.
6. Abdel-Hamid I. Mourad and Mohamed Y. E. Selim, On the Awareness of UAE University Engineering Students with ABET Accreditation, In: Journal of Education Research, Volume 4, Issue 2, pp. 1–16, 2010. https://www.novapublishers.com/catalog/product_info.php?products_id=17146
7. Mohamed Younes and Abdel-Hamid I. Mourad, “On the awareness of UAE University engineering students with some ABET accreditation process elements, INQAAHE 2009 Conference, Abu Dhabi, UAE, March 30 – April 2, 2009. Published as a poster. <http://www.inqahe.org/main/conferences-and-fora/inqahe-2009-conference>
8. Mohamed Younes and Abdel-Hamid Mourad “On the awareness of UAE university engineering students with some ABET accreditation process elements” SEE2009, UAE.

Monographs, Reports, and Extension Publications

9. A.-H.I Mourad and Yaser E. Greish “Thermomechanical Characteristics of Hydroxyapatite-polymer Composites” Final Report on Individual Research Project Funded by Research Affairs Grant # 03-05-7-11/07, 22 March, 2008.
10. A.-H. I. Mourad, "Elastic Plastic Stable Crack Growth", Funded by External Scholarship Program for Master Studies, School of Graduate Studies-UAEU, (AY 2002-2003), January 12, 2005
11. Osama Abuzeid, A.-H.I. Mourad, Yahya Abdulla Alzafin Almuhairei "A study on the Performance of Ductile Ni-Resist Austenitic Cast Iron Used in Desalination Plants", 2004-2005.
12. Osama Abu Zeid, A.-H. I. Mourad and A. Al-Muhairy, “A study on the evaluation of porcelain enamels of directional signs used in the United Arab Emirates, Individual research grant, UAEU Research Council, AY 2002-2003, Grant # 01-05-11/03.
13. Abdel-Hamid I. Mourad, "Investigation on Stable Crack Growth", Individual research grant, UAEU Research Council, Grant # 01/11-7-21/01, 2001-2002.
14. Adel-Hammami, A.-H. I. Mourad, Ahmed Al-Awar and Nasser Al-Ghuilani, “Long –term performance of fiber-reinforced composite, Individual research grant, UAEU Research Council, Grant # 22-7-11/01, 2001-2002.
15. S. K. Maiti and A.-H. I. Mourad, “Criterion for mixed mode stable crack growth-part I. Three-point bend geometry”, Report No. ARDB-STR-TR-93-93-636-01, Mechanical Engineering Department, Indian Institute of Technology, Bombay, April 1993.

16. S. K. Maiti and A.-H. I. Mourad, "Criterion for mixed mode stable crack growth-part II. Compact tension geometry with and without stiffener", Report No. ARDB-STR-TR-93-93-636-01, Mechanical Engineering Department, Indian Institute of Technology, Bombay, April 1993.
17. Contributed to the development and checking of the Finite Element Package "Finite element package for elastic plastic analysis", by S. K. Maiti, Report No. MED-SKM-TR-96-02, October 1996, Indian Institute of Technology, India.

Editor, Books, Chapters in Books, Edited Collections of Readings and Manuals

Editor

18. Abdel-Hamid Ismail Mourad, Editor: Mechatronics and Computational Mechanics II: Selected, Peer Reviewed Papers from the 2013 2nd International Conference on Mechatronics and computational mechanics (ICMCM 2013), Frankfurt, December 30-31 (Applied Mechanics and Materials), Trans Tech Publications, 31 May 2014. ISBN-13: 978-3038350293 ISBN-10: 303835029X <http://www.ttp.net/978-3-03835-029-3.html>
19. Abdel-Hamid Ismail Mourad, Editor: Automatic Control and Mechatronic Engineering III (Applied Mechanics and Materials) Paperback – 31 October, 2014, ISBN-13: 978-3038351993 ISBN-10: 3038351997, http://www.amazon.in/Books-Abdel-Hamid-Ismail-Mourad/s?ie=UTF8&page=1&rh=n%3A976389031%2Cp_27%3AAbdel%20Hamid%20Ismail%20Mourad

Chapters in books

20. Y Greish, S Pulikkot, AHI Mourad, SM Karam, [Biodegradable Scaffolds for Gastric Tissue Regeneration](#), chapter 11, Book: Scaffolds in Tissue Engineering-Materials, Technologies and Clinical application, publisher in Tech Published: December 13th 2017. DOI: 10.5772/intechopen.70525
21. Asel Mwafy, Ameerah Seyedzadeh, Waleed K Ahmed, Basel Alsayyed, Betty Mathew, Kamala Pandurangan, Abdel-Hamid I Mourad and Ali Hilal-Alnaqbi. Adsorption of Bilirubin Toxins by Chitosan Coated Activated Carbon Prepared from Date Pits. Bioinformatics and Biomedical Engineering, Chapter 21, Springer Book Chapter, 2017.
22. Mozumder, M.S., Mourad, A.-H.I., Perinpanayagam, H., Zhu, J. (2014) Nano-TiO₂-enriched biocompatible polymeric powder coatings: Adhesion, thermal and biological characterizations. Materials for Biomedical Applications. Trans Tech Publications, Switzerland.
23. Co-author of "Engineering Drawing" text book for reparatory year, Faculty of Engineering-Mataria, Helwan University, No. 99/7614, ISBN 977-19-8849-2, First edition, 1999, copyright ©1999/2000.
24. Co-author of "Man and Science" textbook, Arabic Edition, UAEU press, 2006.
25. Development of the educational material, Ethics Chapter, of "Man and Science (GEST 213) course, English Edition, the general education program, UAEU, first semester of AY 2008/2009.

On line Conference Proceedings/Edited Collections

26. S.K. Maiti, Namdeo and A.-H.I Mourad, "New scheme for FEA of mixed mode stable crack growth" in the book "Fracture of Nano and Engineering Materials and Structures", ISBN-10-1--4020-4971-4 (HB), ISBN-13 978-1-4020-4972-2 (HB), ISBN-10-1--4020-4972-2 (e -book), ISBN-13 978-1-4020-4972-9 (e-book), Proceedings of the 16th European Conference of Fracture, Alexandropoulos, Greece, July 3-7, 2006 Edited by E.E. Gdoutos, Published by Springer, pp1179-1181.
27. Abdel-Hamid I. Mourad, "Pure shear stable crack growth through compact –tension –shear specimen in plane state of stress, Advances in Fracture and Strength, Part 3, pp. 1604-1610, ISBN 0-87849-978-4, 4 vol.-set, Edited by Young-Jin Kim, Dong-Ho Bae and Yun-Jae Kim, copyright 2005 ttp Trans Tech Publications. <http://www.ttp.net/978-0-87849-978-6.html> <http://www.ttp.net/978-0-87849-978-6/26.html> http://books.google.ae/books/about/Advances_in_fracture_and_strength.html?id=950-AQAAIAAJ&redir_esc=y <http://books.google.ae/books?hl=ar&id=950-AQAAIAAJ&q=mourad>
28. A. -H. I. Mourad, M. G. Alghafri and O. A. Abu Zeid, "Stable crack extension through AISI 4340 steel: Experimental investigation", published in the book "Advances in Fracture and Failure Prevention", ISBN 0-87849-938-5 Part 1, Pages 207-212, Edited by Kikuo Kishimoto, Masanori Kikuchi, Tetsuo Shoji and Masumi Saka, ttp Trans Tech Publications, Switzerland, 2004. Electronically available at, <http://www.ttp.net/978-0-87849-938-0.html>,

http://books.google.ae/books/about/Advances_in_fracture_and_failure_prevent.html?id=G5dRAAAAMAAJ&redir_esc=y <http://books.google.ae/books?hl=ar&id=G5dRAAAAMAAJ&q=mourad> <http://www.ttp.net/978-0-87849-938-0/4.html>

29. A. -H. I. Mourad, N. Bekheet, A. Al-Butch, L. Abdel-Latif and D. Nafee," Effect of die drawing process on the mechanical behaviour of polypropylene", published in the book "Advances in Fracture and Failure Prevention", ISBN 0-87849-938-5, Part 2, Page 1677-1682, Edited by Kikuo Kishimoto, Masanori Kikuchi, Tetsuo Shoji and Masumi Saka, ttp Trans Tech Publications, Switzerland, Germany, UK, USA, 2004.
<http://www.ttp.net/978-0-87849-938-0.html>, <http://www.ttp.net/978-0-87849-938-0/27.html>
<http://books.google.ae/books?id=QqxGmwEACAAJ&dq=Advances+in+fracture+and+failure+prevention+part+2&hl=ar&sa=X&ei=dOIGUpCjIq54ATc5oHwDw&ved=0CC4Q6AEwAA>
30. H. F. M. Elsyed, D. C. Barton, L. A. Abdel-Latif, and A. H. I. Mourad "An experimental and numerical investigation of deformation and fracture of semicrystalline polymers under varying strain rates and triaxial states of stress", published in the book "Deformation, Yield and Fracture of Polymers", ISBN 1-86125-120-3, published by IOM Communications Ltd, A subsidiary of The Institute of Materials, 1 Carlton House Terrace, London SW1Y 5DB, UK, Page 321-324, 2000. 10-13 April 2000.
31. S. K. Maiti and A.-H. I. Mourad, "Assessment of Influence of state of stress on Mixed Mode Stable crack extension through stiffened TPB specimens, published in the book "Computational Structural Mechanics", ISBN 81-7023-411-5, Editors P.K. Sinha and S. Parthan, Allied Publisher Limited, pp. 106-117, December 8-9, 1994.

Development of Finite Element Packages

32. Contributed to the development and checking of the Finite Element Package, "S. K. Maiti, Finite Element Package for Elastic Plastic Analysis", Report No. MED-SKM-TR-96-02, October 1996, IITB, India.

Manuals

33. Abdelrazak Zekri, A.-H. I. Mourad and M. Maraqa "Faculty of Engineering Safety Manual", 2003.
34. Author of the laboratory manual of mechanics of materials 1 (GENG 305) course, mechanical engineering department faculty of engineering, United Arab Emirates university.

TEACHING ACTIVITIES

TAUGHT/DEVELOPED COURSES

Through my career, I have taught/developed a variety of courses at both undergraduate (freshman, sophomore, junior, senior) and graduate (Master and PhD) levels. These courses were diverse in level and nature. Varieties of teaching aids/methods are used in delivering the materials of these taught courses. Electronic learning tools such as Blackboard (course management software) and NetOp (in-class course delivery software) are used in the teaching process of some of these courses. Some of the courses taught are as follows:

A. UNDERGRADUATE LEVEL

UAEU University

1. Aircraft structures (MECH 550) Developed
2. Machine Design II (MECH412)
3. Machine Design I (MECH407)
4. Mechanics of Materials I (GENG 305) (Developer: IT-based active learning course/ Lap top course)
5. Mechanics of Materials I Lab (GENF 305) (Developed the Lab manual)
6. Mechanics of Materials 1 (GENG 305) coordination
7. Engineering Materials (MECH 390) (Developer: IT-based active learning course/Lap top course)
8. Engineering Materials Lab (MECH 390).
9. Intermediate Mechanics of Materials (MECH 547) (Developed)
10. Mechanics of Materials II (MECH 308)
11. Mechanics of Materials III (MECH 507)
12. Computer Aided Drawing (MECH 315)
13. Materials and Hardware (developed for Strata general training program-UAEU CEC)
14. Engineering Drawing (for Strata general training program-UAEU CEC)
15. Man and Science (GEST 231)-English course (Developed)
16. Man and Science (GEST 231-Arabic course (Developed)
17. Statics- (GENG240), (AY 2000-2002)
18. Mathematics and Engineering Applications I (MATH 1094)
19. Mathematics and Engineering Applications II (MATH 1754)
20. Graduation Project Coordination
21. Graduation Project I, AY 05-06 (MECH 585)
22. Graduation Project II, AY 05-06 (MECH 905)
23. Graduation Project I, AY 06-07 (MECH 585)
24. Graduation Project II, AY 06-07 (MECH 905)
25. Graduation Project I, 1st term, AY 07-08 (MECH 585)
26. Graduation Project II, 2nd term, AY 07-08 (MECH 585)
27. Graduation Projects I Coordination (2nd 08-09)
28. Graduation Project I, 2nd-term AY 08-09 (MECH 585)
29. Graduation Project II, 1st term-AY 09-010 (MECH 585)
30. Graduation Projects II Coordination (1st 09-010)
31. Graduation Projects I Coordination (2nd 09-010)
32. Graduation Project II, 1st term-AY 010-011 (MECH 585)
33. Graduation Project II, 2nd term-AY 010 -011 (MECH 585)
34. Graduation Project I, 2nd term-AY 012 -013 (MECH 585)
35. Graduation Project II, 1st term-AY 013 -014 (MECH 585)
36. GPI, Redesign and Manufacturing of Fixed Flap Track Fairing, at STRATA-2nd term 013-014.
37. GPII, Redesign and Manufacturing of Fixed Flap Track Fairing, 1st term 014-015
38. GP I, Fatigue Testing Machine Design and Manufacturing, 1st term 014-015.
39. GP II, Fatigue Testing Machine Design and Manufacturing, 2nd term 014-015.
40. GP1, Design and development an artificial liver device using nano date bits, 2nd term 014-015
41. GPI1, Design and development an artificial liver device using nano date bits, 1st term 015-016
42. GPI, Experimental and Improved FE Analysis-Base Design And/Or Repair of Aircraft Structural Components Made of Composite Materials-at STRATA, 2nd term 014-015

43. GPII, Experimental and Improved FE Analysis-Base Design And/Or Repair of Aircraft Structural Components Made of Composite Materials-at STRATA, 1st term 015-016
44. Undergraduate research opportunity projects UGRO1, Drill Guide
45. Undergraduate research opportunity projects UGRO 2
46. Undergraduate research opportunity projects UGRO 3
47. Undergraduate research opportunity projects UGRO 4- W Chamber
48. Graduation Project 1, 1st term AY 2016-2017 (MECH 565)
49. Graduation Project II, 2nd term AY 2016-2017 (MECH 565)
50. Graduation Project 1, 1st term AY 2016-2017 (MECH 565) Die Drawing Machine
51. Graduation Project II, 2nd term AY 2016-2017 (MECH 565) Die Drawing Machine
52. Graduation project 1, 1st term AY 2016-2017 Development and Testing of Artificial Liver System Based on Nano Sized Date Pits Charcoal
53. Graduation project II, 2nd term AY 2016-2017 Development and Testing of Artificial Liver System Based on Nano Sized Date Pits Charcoal
54. Graduation Project 1 2nd term AY 2016-2017 (MECH 565)- FTM

Other universities (Helwan University, etc)

55. Stress Analysis
56. Strength of Materials
57. Machine Design
58. Machine Elements Design
59. Engine Design
60. Engineering Drawing
61. Mechanical Drawing
62. Statics
63. Graduation Project. (Design of a 3 ton crane)

Courses Development

Got fund from the UAE University to develop the following courses

- Laptop developed course, IT-based active learning, “Mechanics of Materials I (GENG 305)” for the use of laptop in teaching
- Laptop developed course, IT-based active learning, “Engineering Materials (MECH 390)”, for the use of laptop in teaching

Mubadala Development Company Fund,

- For the development of the Aerospace Structures (MECH 552) course, for minor in aerospace engineering program
- Development of innovative drill guide device
- Development of innovative weathering chamber
- Development of innovative actuator using smart materials.

Development of Lab Manual

- Developed the lab manual for mechanics of materials course (GENG 305) course

Development of Innovative Loading Frame:

- Achieved fund from ADWEA Company for my graduation project, in which I have introduced with my students an innovative loading frame for evaluating the properties of polymeric and polymer composite materials subjected to different loading conditions and sustained load.

B. GRADUATE LEVEL

UAE University: Mechanical Engineering and Materials Science and Engineering Graduate programs (college of engineering) and Environmental Science Graduate Program (college of Science).

64. Mechanical Behaviour of Materials (MECH 605) (developed).
65. Advanced Solid Mechanics (MECH 630) (Developed)
66. Fatigue and Fracture Mechanics (MECH 620) (Developed)
67. Failure Analysis and Prevention (MTSE 614). (Developed)
68. Mechanical properties of materials (MTSE 630) (Developed)
69. Structure and Properties of Materials I (MTSE 602) (developed)
70. Selected Topic in Mechanical Engineering (MECH 670)/Nondestructive tests (Developed)
71. Directed individual study (MECH 691)/Practical Fracture Mechanics. (Developed)
72. Special Topics in Metal and Alloys (MTSE 620)/ Fracture Mechanics (Developed)
73. Direct Individual Studies (MECH 691)
74. Independent study in Env. (ENVR 6220)
75. Thesis Research (ENVR 6111)
76. Many Thesis supervision (MECH 690)
77. Many Thesis supervision (MTSE 660).

Other universities

78. Theory of Elasticity and Plasticity
79. Fracture Mechanics
80. Research Discussion

NOTE: Most of the graduate courses have been developed

Samples of Specialized Thesis Topics/MECH 690, MTSE 660, ENVR 6111)

81. Development and Characterization of Hydroxyapatite Ceramic Filters for the Removal of Heavy Metal Ions from Aqueous Media (MSc Program in Environmental Science)
82. Fiber-reinforced calcium sulfate bone cement composites with enhanced bioactivity, mechanical properties and controlled biodegradability (MTSE 660)
83. Fracture behaviour of cracked full scale steel pipes used for gas and oil industries (MTSE 660)
84. Study on the fracture behaviour of friction stir spot welding welds
85. The Evaluation of the Long Term Performance of Reinforced Composites Materials Based on Vinylester Resin (MTSE 660)
86. Studies on Stable Crack Growth (MTSE 660)
87. An Investigation on the Effect of Heat Treatment on the Mechanical Behavior of Low Alloy Steel (MTSE 660).
88. The Effect of Some Manufacturing Process Variables on the Characteristics of Vitreous Enameling Coatings of Directional Signs (MTSE 660)
89. Effect of Thermal Aging and UV Radiation on Performance of Locally Manufactured Waterproofing Membranes (MTSE 660)
90. Elastic Plastic Stable Crack Growth (MTSE 660)
91. Stress Corrosion Cracking of Two Types of Ductile Ni-Resist Cast Irons in Desalination Plants (MTSE 660).
92. Thermal and Mechanical Properties of Polyethylene- Polypropylene Blends in the (MTSE 660).
93. Impact of local recycling on quality of irrigation hose and ways to improvement in G.C.C (MTSE 660)
94. Stress corrosion cracking of stainless steel used in manufacturing brine circulating pumps used in desalination plants (MTSE 660)
95. The Impact of the raw material recipe on the manufacturing and behavior of un-plasticized polyvinyl chloride (PVC-U) (MTSE 660)
96. Many others (see the list of supervised Master and PhD students)

Other universities

97. High strain rate properties of polymers for biomedical application
98. Investigation of die drawing process effects on the behaviour of polymeric materials
99. Fatigue behavior of oblique notches

HONORS AND/OR AWARDS

- Received the 2nd rank award in the Think Science competition, 2016
- Received the 2nd rank of the Chancellor Award for Institutional Excellence: Distinguished Employee in Specialized Jobs – Academic_ 2015.
- Received (2015) a Certificate of Achievements and recognition in research excellence for publishing in top 5% journals and bringing recognition to the UAEU.
- Received (2015) a Certificate of Achievements and recognition in research excellence for publishing in top 10% journals and bringing recognition to the UAEU
- Received the award of the best paper in the UAE Graduate Students Research Conference GSRC, 22-24 March, 2015, Mariam Ahmed Al-Dhaheri, Frank van Liempt; Soufiyane Ait El Hadj; Abdel-Hamid Ismail Mourad, Analytical and Numerical Modeling for Single Lap-Joint Bond-line Region.
- One of my undergraduate research opportunity project UGRO1, Muscle memory facilitator and enhancer for hand drilling operations reached to the final stage of Think Science Cooptation competition, 2015.
- I was able to published 2 conference papers with my graduate students from the term project results of the course Advanced Solid Mechanics, these are: (1) Maryam Hamad Al Kuwaiti, A-H. I. Mourad, Effect of Different Environmental Conditions on the Mechanical Behavior of Plain Weave Woven Laminated Composites, abstract has been accepted for publication in the international conference on pressure vessel technology ICPVT-14, 23-26 September, 2015, Shanghai, China, 2015. (2) Mostafa Abou Ouf, Abdel-Hamid Mourad, Load carrying capacity of aluminum plates with free or filled and notched or un-notched holes under uniaxial loading, UAE Graduate Student Research Conference, GSRC, 22-24 March, 2015.
- One of my undergraduate research opportunity project UGRO1 reached at the final stage of Think Science cooptation
- Recipient of monthly salary increase (from the Vice Chancellor) as recognition for offering excellent services (in teaching, and research) effective January 1, 2007.
- Recipient of the monthly salary merit increase (from Associate Provost and Chief Academic Officer) as a recognition for the exceptional service and contribution to the success of UAEU students through the commitment and hard work (AY 2006/2007).
- Recipient (at the graduation ceremony for female students on May 28, 2007) of award (plaque), certificate and movie of appreciation of the outstanding development and activities and excellence in teaching (AY 2006-2007).
- Recipient of best paper award in International Conference of Aerospace and Mechanical Engineering (AEROMECH'17), Malaysia, 2017.
- Elected through male students voting (arranged by the Student Engineering Society, UAEU) as a Super Academy Faculty for the outstanding development and excellence in teaching (AY 2004/2005).
- Recipient (from the Dean of Engineering during the graduation ceremony of male students on January 3, 2005) of the award and the certificate of appreciation for the outstanding development and excellence in teaching (AY 2004-2005).

GRANTS

Funds for course development

- Received a grant for the development of the teaching material of aircraft structure course (Spring 2014-Spring 2016)
- Received a grant for the development of the teaching material for hard ware course for STRATA General Training Program trainees (2014-2015)
- Receive a Fund (summer 2004) for the development of Mechanics of Materials 1 (GENG 305) course. The course was completely developed and has being taught as a Laptop course since September 2004.
- Two graduation Projects have been funded by STRATA (Spring 2014, Fall 2014, Spring 2015)
- Two Undergraduate Research Opportunities have been funded by MOBADALA (Spring 2014)
- Three graduation Projects have been funded by ADWEA
- Got fund (summer of 2004) for the development of the Engineering Materials Course (MECH 390) with Prof. Osama Abu Zeid and Prof. Mamdouh Ghannam. The course was completely developed and has being taught as a Laptop course since September 2004.

PUBLICATION IN INTERNATIONAL EDUCATIONAL CONFERENCES AND JOURNALS.

35. Mohammad Sayem Mozumder¹, Abdulrahman Alraeesi¹ and Abdel-Hamid I. Mourad, Awareness of UAE University Chemical Engineering Students on ABET Accreditation criterion/a-k outcomes, Merit Research Journal of Education and Review (ISSN: 2350-2282) Vol. 4(7) pp. 101-112, July, **2016**
36. Mohammad Sayem, Mozumder, Abdulrahman, Alraeesi, Abdel-Hamid, I. Mourad, awareness of UAE university chemical engineering students on abet accreditation, Papers Proceedings of International Conference on Advances in Education, Teaching & Technology 2016 (978-1-988652-00-9).
37. Alsayyed, A-U. I. Mourad, A H Alnaqbi, Qualitative versus quantitative course assessment, Proceedings of the 2015 International Conference on Industrial Engineering and Operations Management Dubai, United Arab Emirates (UAE), March 3 – 5, 2015.
38. Abdel-Hamid I. Mourad and Mohamed Y. E. Selim, On the Awareness of UAE University Engineering Students with ABET Accreditation, In: Journal of Education Research, Volume 4, Issue 2, pp. 1–16, 2010. https://www.novapublishers.com/catalog/product_info.php?products_id=17146
39. Mohamed Younes and Abdel-Hamid I. Mourad, “On the awareness of UAE University engineering students with some ABET accreditation process elements, INQAHE 2009 Conference, Abu Dhabi, UAE, March 30 – April 2, 2009. Published as a poster. <http://www.inqahe.org/main/conferences-and-fora/inqahe-2009-conference>
40. Mohamed Younes and Abdel-Hamid Mourad “On the awareness of UAE university engineering students with some ABET accreditation process elements” SEE2009, UAE.

UNIVERSITY DEVELOPMENT AND COMMUNITY SERVICES

A. MEMBERSHIP/CHAIR OF COMMITTEES AND TASKFORCES

I have been involved in the activities of several committees at the Department, College, University, National and International levels. I have chaired some of them:

Department

1. Chair of the ME promotion committee 2017-2018.
2. Design and Manufacturing Focus Group Leader Committee (Fall 2016-present)
3. Chaired the committee for hiring new faculty member Fall 2016-present
4. Member of the hiring committee of new faculty member Fall 2015-present
5. Member of the commission for academic accreditation CAA committee- Fall 2016-present
6. Assigned to prepare Ch.10 of the CAA SSR “Chapter 10 Research and Scholarly Activities” Oct 2016.
7. Member of the Faculty performance evaluation committee (Fall 2015-present)
8. Member of the ME promotion committee (Fall 2015-present)
9. Chair of teaching load committee (Fall 2014-Spring 2016)
10. Member of the outcomes committee (Pre- present)
11. Chair of the mechanical engineering graduate studies committee (Fall 2012-Spring 2016)
12. Member of the facilities committee (pre-Present)
13. Member of the graduate study committee [2009-Present]
14. Member of minor in aerospace engineering committee [2012-present]
15. Contributed to the preparation of the ABET SSR Criterion 5 (curriculum) and criterion 9 (program) chapters (spring 2014-Spring 2016)
16. Member of ABET committee [pre -2013-Spring 2016]
17. Member of continuous improvement quality committee [2012-present]
18. An ad-hoc committee member for evaluating and selecting new faculty [2009-2010]
19. Member of Sp. Goal 1 (Student Focused Activities) committee [2009-present]
20. Member of Sp: Goal (Research) committee [2009-2010]
21. Member of innovation and Laptop committee [2009-2010]
22. Member of advising committee [2008-2011]
23. Member of the outcomes assessment committee [2007-present]
24. Member of open house committee [2007-2009]

25. Member of applied mechanics focus group committee [2001-present]
26. Chair of students activities and ASME [2007-2009]
27. Member of ASME committee [2009-present]
28. Chair of graduating students and alumni committee [fall 06-spring 09]
29. Member of graduating students and alumni committee [pre- 09]
30. Contributed to the development of the exit exam and mid-year-study exam and the new assessment tools for design and manufacturing.
31. Member of research committee [06-09]
32. Chair of facilities sub-committee for ABET preparation [2003-2008].
33. Member of the facilities sub-committee for ABET preparation [2008-present].
34. Developed the section of the facilities in the SSR of the department
35. Equipped the ME labs with many equipment.
36. Chair of advertisement activity committee [2007-2008]
37. Chair of social events committee [2007-2008]
38. Chair of safety committee [2001-2003].
39. Chair of the "ENGEX" committee for the preparation of the Mechanical Engineering exhibition sections "ENGEX 2002 and ENGEX 2004" [2001-2004]
40. Organizing book fair in the department with Mr. Hassan Aaza, representative of McGraw-Hill Education.
41. Organizing committee member of the 2nd International Conference on Nanotechnology, November 17-20, 2008 at Abu Dhabi National Exhibition Center (ADNEC), Abu Dhabi, UAE.
42. Organizing committee member of the 3rd International Conference on Nanotechnology ICN11, November 28-30, 2011, UAEU.
43. Chair of a session in the 3rd International Conference on Nanotechnology ICN11, November 28-30, 2011, UAEU.
44. An ad-hock committee chair for developing program outcomes direct measures instruments/Tools: industrial training students. [March, 2007]
45. An ad-hock committee chair for developing program outcomes direct measures instruments/Tools: Graduation project students [March, 2007]
46. An ad-hoc committee member to verify the process of scraping the unused equipment items that are moved from ME labs and workshop.
47. An ad-hoc committee member for meeting with the consultant of the new campus/Maqam to discuss the lab requirements
48. Contributed to the review of the layouts and drawings of the Maqam labs and their suitability for the equipment..
49. Orientation of new un-specialized students [2007-2008].
50. An ad-hoc committee member for preparing and reviewing the MS-BS graduate program proposal of the Mechanical Engineering [Fall 2006].
51. Secretary of the Mechanical Engineering Department Council [2001-2002].
52. Member of development and updating the department home page committee [2000-2001].
53. Chair of computer and internet committee [2001-2003]
54. Member of computer and internet committee [2004-2005]
55. An ad-hoc committee member for preparing MSc graduate program proposal for the ME [2002-2003]
56. Member of ME department graduate program development [2001-2002].
57. Member of outcomes assessment and preparation for ABET [2001-2002]
58. Member of student affairs, activities and field trips [2001-2003]
59. An ad-hoc committee member for evaluating and selecting new faculty members and instructors [2000- 2004].
60. Chair of An ad-hoc committee for evaluating and selecting new lab engineer [2001-2002].
61. Member of continuous education and community services [2001-2002]
62. Member of educational outcomes assessment committee [2001-2002]]
63. Chair of an ad hoc committee to investigate the suitability of a list of out of service equipment in the Central Laboratory Unit for using ME department Labs (Sept., 26, 2002]
64. Member of scientific books purchasing committee, Faculty of Engineering-Matara, Helwan University, Cairo Egypt [1996-1998].
65. Member of teaching loads distribution, Faculty of Engineering-Matara, Helwan Univ. Cairo, Egypt [1996-1998].
66. Member of labs and equipment, Mechanical Design Department, Faculty of Engineering, Helwan University, Cairo Egypt [1996-1999].

College

Act as a member in the following committees

67. Editor-in-Chief of Emirates Journal for Engineering Research, EJER, College of Engineering, UAEU [from Spring 2012 to Fall 2015, then from Fall 2016 to Present]. I have been reassigned again by the Dean of Engineering to act as the Editor in Chief in Fall 2016 to improve the image and the reputability of the journal after the sudden decline in its reputability. I was able to publish from 3 to 4 volumes per a year.
68. Member of College Excellance Award committee 2017-2018.
69. Chair of Faculty Member Promotions committee 2017-2018.
70. Coordinator of the Mechanical Engineering Graduate Study Program (MSc, BS-MS, Phd), from Spring 2012-Fall 2015.
71. Prepare the SSR for the mechanical Engineering Master Program (Fall 2015). It has been reviewed by two international and two local reviewers. I have arranged for their visit and all activities during it (17-19 May 2015)
72. Travel Committee member Fall 2015-Present
73. Editorial Committee Member of Emirates Journal for Engineering Research, EJER [2005-present]
74. Reviewer for the Emirates Journal for Engineering Research (EJER) [2005-present].
75. Member of graduate studies committee [2012-Fall 2015]
76. Academic advisor for industrial training students. The main goal is visiting students once to make sure that they have an effective and clear plan. Also, act as a member in the final examination committees of industrial field training and graduation project students
77. Member of the college receiving and technical inspection committee [2001-2009]
78. Member of college alumni committee [2008-2009]
79. An ad-hoc committee member to verify the process of scraping the unused equipment items that are moved from ME labs and workshop.
80. An ad-hoc committee member for meeting with the consultant of the new campus/Maqam to discuss the lab requirements
81. Contributed to the review of the layouts and drawings of the ME Maqam labs and their suitability for the equipment..
82. Organizing committee member of the 2nd International Conference on Nanotechnology, November 17-20, 2008 at Abu Dhabi National Exhibition Center (ADNEC), Abu Dhabi, UAE.
83. Organizing committee member of the 3rd International Conference on Nanotechnology ICN11, November 28-30, 2011, UAEU.
84. Chair of a session in the 3rd International Conference on Nanotechnology ICN11, November 28-30, 2011, UAEU.
85. Member of college safety committee [2002-2008]
86. Contributing to the organizations of several safety workshops to students, staff, lab technician and faculty.
87. Member of college first year students' advisors committee [2002-]
88. Member of college of engineering safety manual preparation committee [DVCAA Decree # 1/2003]
89. Member of organizing committee of the 2nd International Conference on Nanotechnology: Future Prospective in the Region, 17-20th November, 2008 at the Abu Dhabi National Exhibition Center (ADNEC), Abu Dhabi, UAE.
90. Member of the graduation projects final/oral exam committee [2000-present].
91. Member of the industrial training students' final/oral exam committee [2000-present].
92. Reviewer (as a research committee member) of individual research proposals [2000-present].
93. Contributed to the first year student advising/CRU advising [07-08]
94. Academic advisor and evaluator of industrial training students weekly reports (2002-present)
95. Assigned by Industrial Training & Graduation Projects Unit, Faculty of Engineering to accompany and supervise 31 graduation project II female students in a scientific trip to Al-Taweelah Power Plant in Abu-Dhabi, April 29, 2008.
96. Assigned by Industrial Training & Graduation Projects Unit, Faculty of Engineering to supervise 36 graduation project II male students in a scientific trip to DUCAB Company, Jabel Ali, Dubai, Nov. 14, 2005.
97. Member of laboratories and equipment committee, Faculty of Engineering, Helwan Univ., Cairo, Egypt [1996-1998].
98. College annual scientific trip committee, Faculty of Engineering, Helwan University, Cairo, Egypt (chair, 1997)
99. Member of students' outstanding performance recognition committee, Faculty of Engineering, Helwan University, Cairo Egypt [1996-1999].
100. Chair of faculty sports committee, Faculty of Engineering, Helwan University, Cairo, [1996-1999].

University

101. Representatives of University Promotions Advisory Group 2017-2018.
102. Member of the steering committee of the UAEU Advance Materials and Nano-technology Center Fall 2016.
Contributed to the establishment of the center from scratch.
103. Assigned to visit Belarus State University of Informatics and Radioelectronics from 24 April 2016 to 27 April 2016.
The trip was a scientific trip organized by the office of the deputy VC for graduate studies and research to discuss a Research collaboration with BRSUIR University
104. Admission Panel member for the Incubation program (the Science & Innovation Park) UAEU, Spring 2015.
105. Technical Program Committee member and Sessions chair of the UAE Graduate conference (UAEGSRC'17) <http://www.uaegsrc.ae/>. Invited reviewers for large number of papers, involve in the whole process of the paper evaluation.
106. Technical Program Committee member of the UAE Graduate conference (UAEGSRC'16) <http://www.uaegsrc.ae/>.
Invited reviewers for large number of papers, involve in the whole process of the paper evaluation. Received a certificates of appreciation for my participation and acting as a TPI committee member
107. Member of the judging panel of Chancellors' Innovation Award, Fall 2015
108. Member of the Advance Materials and Nano-technology Center, Spring 2016
109. Member of the Admission Panel for the Incubation program, UAEU, Spring 2015. Acted as a judge with Deans of several UAEU colleges in selecting the innovative projects for 2015-2016 incubation program. We have selected 5 projects in the incubation program and 4 others in the Accelerator 1
110. Coordinator of the Mechanical Engineering Graduate Study Program (MSc, BS-MS, PhD) and UAE University Spring 2012-fall 2015.
111. Prepare the SSR for the mechanical Engineering Master Program (Fall 2015). It has been reviewed by two international and two local reviewers. I have arranged for their visit and all activities during it (17-19 May 2015)
112. Editor-in-Chief of the Emirates Journal For Engineering Research 2011-Fall 2015 then from Fall 16 - Present .
113. Organizing committee member of the 2nd International Conference on Nanotechnology, November 17-20, 2008 at Abu Dhabi National Exhibition Center (ADNEC), Abu Dhabi, UAE.
114. Organizing committee member of the 3rd International Conference on Nanotechnology ICN11, November 28-30, 2011, UAEU.
115. Chair of a session in the 3rd International Conference on Nanotechnology ICN11, November 28-30, 2011, UAEU.
116. Assigned (by Director of General Education Program, UAEU) to contribute to the development of the educational materials for the General culture course "Man and Science" course, GEST 213- Arabic Edition, (2005-2006).
117. Co-author of the "Man and Science text book", Arabic issue- UAEU Press, AY 2006-2007. - GEST231)
118. Co-author of the "Man and Science text book", Arabic issue- UAEU Press, AY 2006-2007.
119. Assigned by Director of General Education Program to contribute to the development of the educational materials for the "Man and Science" course, GEST 213- English Versions, 1st semester, UAEU, April 8, 2008.
120. Organizing committee member of the 2nd International Conference on Nanotechnology: Future Prospective in the Region, 16-20th November, 2008 at the Abu Dhabi National Exhibition Center (ADNEC), Abu Dhabi, UAE.
121. Assigned by the head of ME (as a member of facilities committee) to participate in the meeting with representatives from the company responsible for the ME labs construction in the New Maqam Campus to discuss the equipment list of ME labs (1st term 2007-2008).
122. Executive committee member of Emirates Journal for Engineering Research, UAEU [2005-present]. Reviewer and assigning reviewers for the journal.
123. Assigned by the Head of Training and Graduation Project Unit to accompany and supervise the scientific trip for 31 graduation project II female students to Al-Taweelah power plant in Abu-Dhabi, April 29, 2008.
124. Assigned by Industrial Training & Graduation Projects Unit, Faculty of Engineering to accompany and supervise 36 graduation project II male students in a scientific trip to DUCAB Comp., Jabel Ali, Dubai Monday, Nov. 14, 2005).
125. Contributed to the first year student advising/CRU advising (AY 07-08)
126. Assigned by the chair of the ME research committee to reviewer for 3 research papers for the Research Award at the 8th UAEU Annual Research Conference, 2nd semester, AY 2006-2007. Thank you email received on April 08, 2007
127. Proctoring committee member for General Education Program courses.

128. Participating in the Final Exams Supervision and Observation Committees, Student Advising and Counseling Center [2000-...]
129. Contributed to the activities of the establishment of Dubi labs, 2008.
130. Member of the safety manual preparation committee [DVCAA Decree # 1/2003]
131. Assigned by the DVC for Academic Affairs (Decree No. 279/2002, 2002) to represent the to discuss a memorandum of understanding between UAEU and Monash University, Australia, for establishing Traffic Safety Research center of UAEU in collaboration with Monash University Accident Research Center, MUARC.
132. Contributed to all stages of the establishment of the Traffic Safety Research Center of the UAE University. Acknowledgement letter (11-9-2006) and wall plate (13 -3-2005) are received from Dr. Maitha Alshamsy, Provost for Research as a recognition for my efforts. The first stage started on April 7, 2001 by receiving an invitation to meet with delegation from General Motors to investigate car accident and the last stage ended with the establishment of the Traffic Safety Research Center of the UAE University in 2005.

National Level

133. Technical Program Committee member of the UAE Graduate conference (UAEGSRC'17) <http://www.uaegsrc.ae/>
134. Technical Program Committee member of the UAE Graduate conference (UAEGSRC'16) <http://www.uaegsrc.ae/>
135. Assigned (Vice chancellor office, file no. 21/395 date 13 April 2002) to represent the United Arab Emirates University in the activities of the Strategies in Traffic Safety Committees-Vehicles Safety and Integrity Committee, Ministry of Interior, Traffic Department, UAE,
136. Invited by Mr. Ahmad Abdel- Ghafar, the Director of Standardization Organization, Ministry of Finance and Industry, UAE, to meet with delegation from General Motors to investigate a car accident and to submit a report on the results of our investigation. The report has been prepared and submitted, 26-2-2001. More details are available in Appendix CE.
137. Contributed to the establishing the United Arab Emirates Traffic Safety Center in collaboration with Monash University Accident Research Center MUARC [2001-2005]
138. Reviewed several Gulf standards of material testing and automobiles for Emirates Authority for Standardization and Metrology, UAE.
139. Consultant of some UAE companies

International Level

140. Examiner of many MSc and PhD theses
141. Supervisor of many Master and PhD theses for international universities students
142. Evaluator of many faculty documents for promotion to associate professor and professors ranks.
143. Chair, organizing committee member and technical committee member of many international conferences (Sec. C).
144. Member of the Materials & Fabrication Technical Committee, American Society of Mechanical Engineers ASME, Pressure Vessels and Piping Division (PVPD) [2008-present]. Participating in attending its meetings and contributing to all activities.
145. Topic organizer, Session chair: ASME PVP conferences 2008-Present
146. Member of the American Society of Mechanical Engineers (2002-present).
147. Member of the American Society of Testing and Materials committee of fracture and fatigue ASTM E08 (13-03).
148. Chair, organizing committee member, session chair and co-chair of many International Conferences
149. Editor and Editorial board member of several international journals
150. Guest Editor of the book Mechatronics and Computational Mechanics II: Selected, Peer Reviewed Papers from the 2013 2nd International Conference on Mechatronics and computational mechanics (ICMCM 2013), Frankfurt, December 30-31 (Applied Mechanics and Materials), Trans Tech Publications, 31 May 2014. ISBN-13: 978-3038350293 ISBN-10: 303835029X.
151. Guest Editor of the book Automatic Control and Mechatronic Engineering III (Applied Mechanics and Materials) Paperback – 31 October, 2014, ISBN-13: 978-3038351993 ISBN-10: 3038351997

B- EDITOR-IN-CHIEF/EDITOR/ MEMBERSHIP OF EDITORIAL/ADVISORY BOARDS OF JOURNALS

- Editor-in-Chief of the Emirates Journal for Engineering Research EJER, UAEU, Fall 2011-Spring 015 then from Fall 2016-present.

- Editor : International Journal of Global Advanced Materials & Nanotechnology
<http://scientificfuturegroup.com/journal-of-global-advanced-materials-nanotechnology/editorial-board.php>
- Chief –editor, Bonfring International Journal of Software Engineering and Soft Computing,
<http://journal.bonfring.org/journalindex.php?id=7> <http://journal.bonfring.org/editorial-board.php?id=7>
- Editorial Board Member of American Journal of Polymer Science
<http://www.sapub.org/journal/editorialdetails.aspx?JournalID=1019&PersonID=13653>
<http://www.sapub.org/journal/editorialboard.aspx?journalid=1019> <http://www.sapub.org/Journal/index.aspx>
- Co-Editor-in chief of SOJ Materials Science & Engineering <http://sybiosisonlinepublishing.com/materialsscience-engineering/>
- Editorial advisory board member for “Recent Patents on Materials Science” International Journal” ISSN: 1874-4648 (2006/2009)
<http://www6.cityu.edu.hk/appkchu/Recent%20Patents%20on%20Materials%20Science%20Editorial%20Board.pdf>

C- CONFERENCES TOPIC ORGANIZED, SESSION DEVELOPER, ADVISORY BOARD COMMITTEE MEMBER, TPI COMMITTEE MEMBER, CHAIR/ CO-CHAIR

- Session Chair of the United Arab Emirates Graduate Students Research Conference (UAEGSRC 2018), 21 April 2018, American University of Sharjah, UAE
- Member of ASME Technical Divisions
- ASME PVP conferences: Topic organized, Session developer and session chair (pre-present)
- International Advisory Board of the eleventh International Conference on Composite Science and Technology, ICCST/11, AUS Sharjah, UAE, April 4-6, 2017, UAE. https://www.aus.edu/info/200227/conferences/596/iccst_11/3
- Session chair: Session 2A-1: Materials and Nanotechnology II (10:30–11:50) (SBA-1174). AUS-IMS International Conference on Materials Science and Engineering | IMS/8 , February 2–3, 2016, Sharjah, United Arab Emirates
<http://www.uaegsrc.ae/award-2015>
- International advisory committee member for international conference on research and innovations in mechanical, material science and industrial engineering and management (ICMMIEM-2014), Cheistu Jyoti Institute of Tchnology & Science.(C.J.I.T.S.), Andhra Pradesh, India from 1&2, March 2014, co-organized by Bonfring International Journals.
<http://journal.bonfring.org/journals.php>
- International Conference Chair of “The International Conference on Mechatronic and Computational Mechanics” ICMCM 2012, December, 20-21, 2012, Dubai, UAE. <http://www.icmcm.org/2012/>
<http://www.icmcm.org/2012/committees.html>
- International Conference Chair of the “2013 the 2nd International Conference on Mechatronic and Computational Mechanics” ICMCM 2013, December, 30-31st, 2013, Frankfurt, Germany. <http://www.icmcm.org/committees.html>
<http://www.icmcm.org/index.html>
- Editor of the “Applied Mechanics and Materials” [Trans Tech Publication], the potential proceeding of the “2013 the 2nd International Conference on Mechatronics and Computational Mechanics ICMCM 2013” <http://www.icmcm.org/>.
- International Conference Chair of “2012 International Conference on Automatic control and Mechatronic Engineering, ICACME 2012, 20-21st December, 2012, December Dubai UAE <http://www.icacme.org/2012/index.html>
<http://www.icacme.org/committees.html>
- International Program committee Chair of “2013 The 2nd International Conference on Automatic control and Mechatronic Engineering, ICACME 2013, June 21-22, 2013 Bangkok, Thailand, <http://www.icacme.org/index.html>
<http://www.icacme.org/com.html>.
- Topic co-organizer of Materials and Fabrication MF-2P topic “Application of Fracture Mechanics in Failure Assessment”, Pressure Vessels and Piping (ASME PVP) conferences (2007-present)..
- Chair of the Technical Session 4.2A (MF-2-3), July 18, ASTM PVP2013, July 14-18, Paris, France, 2013
- Session developer of ASME PVP conferences.
- Session chair, of MF-2 sessions, ASME PVP 2010, conference, July 18-22, 2010, Bellevue, Washington, USA.
- Session co-chair of the MF-2-5 session, The ASME PVP 2009 Conference, Prague, July 26-30, 2009, Czech Republic.
- Session co-chair of the session (MF-2-1 session), The American Society of Mechanical Engineers (ASME PVP 2008), Pressure Vessels and Piping Conference (PVP 2008), Chicago, 27-31, 2008.
- Session chair, the 3rd International Conference on Nanotechnology: Future Prospects in the Region, November 28-30, 201, United Arab Emirates University, UAE, Al-Ain. <http://iasks.org/conferences/icn11>
- Organizing committee member of the 2nd International Conference on Nanotechnology: Future Prospects in the Region, 16-20th November, 2008, Abu Dhabi National Exhibition Center (ADNEC), Abu Dhabi, United Arab Emirates University, UAE. Certificate of appreciation has been received.

- Session chair of the session "TS32, Effect of Biaxial/Mixed-Mode on Fatigue & Fracture" in the International Conference "Asian Pacific Conference on Fracture and Strength '04", (APCFS 2004), Lotte Hotel Jeju, Korea, October 6-8, 2004.
- Session chair of the session "Fracture 4 session", the 5th International Conference on Fracture and Strength of Solids, FEOFS2003, Tohoku University, Sendai, Japan, October 20-22, 2003.
- Materials and Fabrication MF-2 Technical Committee Member: ASME Pressure Vessels and Piping Division (PVPD), July 28, 2009-2013

D- REVIEWER OF TECHNICAL RESEARCH PAPERS FOR PUBLICATION IN INTERNATIONAL AND LOCAL REFEREED JOURNALS:

- Materials and Design, Elsevier.
- Engineering Fracture Mechanics, Elsevier
- Polymer composites, John Wiley & Sons
- Journal of Applied Polymer Science.
- Journal of Polymer Research, Springer
- Journal of Applied Composite Materials, Springer.
- Nuclear Engineering and Design. Elsevier.
- European Journal of Engineering Education, Taylor & Francis
- eXPRESS Polymer Letters
- Indian Journal of Engineering & Materials Sciences
- Emirates Journal for Engineering Research (EJER), College of Engineering, UAEU (acting as editor-in-chief)
- ASTM Materials Performance and Characterization journal
- The Scientific e-only Polymers International Journal (<http://www.e-polymer.org>) (2006-2008)
- University of Sharjah Journal of Pure & Applied Sciences
- International Journal of Computations in Science and Engineering Research (IJCSER).
- Recent Patents on Materials Science" International Journal" ISSN: 1874-4648 (Print) ISSN: 1874-4656, <http://www.bentham.org/mats/EBM.htm>, Bentham Science Publishers Ltd. (2006-2009).
- Scientific Research Publishing <https://www.scirp.org>
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E- REVIEWER OF TECHNICAL RESEARCH PAPERS FOR PUBLICATION IN INTERNATIONAL CONFERENCE PROCEEDINGS:

- American Society of Mechanical Engineers, Pressure Vessel and Piping Division, ASME PVP (2007-present)
- 12th International Conference on Fracture (ICF12), July 12-17, 2009, Ottawa, Canada.
- TPC track member for the Third International Conference on Modeling, Simulation, and Applied Optimization (ICMSAO'09), The American University of Sharjah, UAE, January 20 – 22, 2009.
- The third International Conference on Modeling, Simulation, And Applied Optimization (ICMSAO'09), The American University of Sharjah, UAE, January 20 – 22, 2009.
- TPC track member for the Seventh International Conference on Composite Science & Technology (ICCST/7), The American University of Sharjah, UAE January 20– 22, 2009.
- Reviewer of technical publications for the Seventh International Conference on Composite Science & Technology (ICCST/7), American University of Sharjah, UAE January 20– 22, 2009.

F- CONSULTANCY OR ADVISORY SERVICES RELATED TO THE AREA OF EXPERTISE (SAMPLES)

Consultancy and advisory service are given to many companies:

- Dubai Cable Company Pvt. Ltd. (DUCAB), Dubai 2005-2013
- RMJM, Robert Matthew Johnson Marshall) Abu Dhabi, 2010/2011
- Service Life Assessment of Different Power Plant Parts, ITM O & M Company Limited, Abu Dhabi, Budget of 78,000.00 Dhs, April 18, 2010.
- ASME Pressure Vessels and Piping Division (PVPD) Materials & Fabrication Technical Committee Member, July 28, 2009-present

- Contributed (as a team member) to the preparation of project proposal “Evaluation of the Technical Specifications and Performance of Centrifugally Cast GRP Pipes and Fittings Manufactured by ANABEEB- HOBAS. The UAE University center for externally funded projects (eFORS) was retained by the General Holding Corporation, GHC, to perform a technical study aiming at evaluation of the technical specifications and performance of centrifugally cast GRP pipes and fittings Manufactured by ANABEEB- HOBAS which is part of the GHC Corporation (January 12, 2009).
- Materials, Design and Manufacturing Consultant (Consulted in the design, manufacturing and testing processes of a hydraulic drawing system) for “Elhoda Drawing Company”, Qalube, Cairo, Egypt, 2005-2009.
- Material and testing consultant for DUCAB Company Jabel Ali, Dubai, 2005-2009. Consulted in conducting characteristic tests (thermal analysis) for 6 different polymeric materials used in DUCAB (January 2007). Consulted in purchasing a new testing machine for DUCAB Labs (May 2009).
- Consulted in conducting different standard tests to study the effect of raw material recipe on the on behaviour of PVC-U pipes for the Pipes Manufacturing Factories (ANABEEB), Mussafah Ind. Area, Abu Dhabi, 2007.
- Consulted in conducting thermal and mechanical tests to study the effect of recycling on the quality of irrigation pipes for Al Emarate Factory, Al-Ain, 2007.
- Involved, in the study on the performance of Ductile Ni-Resist Austenitic Cast Irons used in desalination plants, Dubai Electricity & Water Authority, Jebel Ali, Dubai. 2005-2007
- Involved in the study on “evaluation of Porcelain Enamels of Directional Signs Used in the UAE”, Al-Ain Town Planning Department, Al-Ain Municipality, UAE, 2003-2004.
- Involved in a study on the effect of thermal aging and UV radiation on performance of locally manufactured waterproofing membranes, Al-Ain Municipality, UAE, 2004.
- Contributed to the preparation of the College of Engineering Safety Manual as per ABET format. The manual was posted on the College of Engineering website, <http://www.engg.uaeu.ac.ae/abet> and is being followed
- Consulted in performing the mechanical tests on different extruded aluminum profiles for the Gulf Extrusion Company Limited, Jabal Ali, Dubai, UAE (the report submitted through the Central Laboratory Unit CLU of the UAEU, February 20, 2002).
- Consulted (as a member of the committee formed by the Mechanical Engineering Department) to investigate the crash of the model year Chevrolet Caprice Car that occurred on January 16, 2001 on Al-Itihad Street, Umm Al-Quwain. The basic observations and analysis made were reported to the Ministry of Finance and Industry and Emirates Authority for Standardization and Metrology, Abu-Dhabi, United Arab Emirates, 2001. Also, invited (April 7, 2001) to attend, as representative of UAEU, the meetings of representatives from Ministry of Finance and Industry with a delegation from General Motors Company (Holden Ltd, in Australia) to discuss important issues related to the crash and the car safety
- Invited (April 7, 2001) to attend, as representative of UAEU, the meeting of representatives from Ministry of Finance and Industry with a delegation from General Motors Company (Holden Ltd, in Australia). The meeting was relevant to the crash involving model year Chevrolet Caprice car that occurred on January 16, 2001.
- I was delegated for an academic mission to visit the Accident Research Center, Monash University, Australia during the period 3-20 August 2002 (DVC for Academic Affairs Decree No. 279/2002). The main objective of the visit was to initiate a collaborative research program in vehicle safety and to discuss a memorandum of understanding between Monash University and United Arab Emirates University for establishing Accident Research Center in UAEU in collaboration with Monash University Acceding Research Center, MUARC
- Contributed strongly to the establishment of the “Roadway, Transportation and Traffic Safety Research Center of the UAE University”.
- Revised, modified and wrote technical reports on the Saudi Arabia standard specifications. The reports were sent to the Ministry of Finance and Industry, UAE. Emirates Authority for Standardization and Metrology, Abu-Dhabi, United Arab Emirates (2001 –present)
- Nominated as a UAEU representative (MED File no. 20/294/2002 date 07-04-2002, Dean’s office file no. DoE 21-270/01-02 April 07,2002, Vice chancellor’s office, file no. 21/395 date 13 April 2002) to participate in the activities of Strategies in traffic Safety Committees-Vehicles Safety and Integrity Committee, Ministry of Interior, Traffic Department, UAE. The meetings of the committee were held regularly at Emirates Authority for Standardization and Metrology, Abu-Dhabi.
- Member of the Experts Counsel of Studies and Researches Unit of Small Projects, Part of the Center of Studies and Researches of Technological Development, Helwan University, Cairo, 1999.
- Member of the Experts Council of Local Manufacturing of Spare Parts, Equipment and Production Lines Unit, Part of the Center of Studies and Researches of Technological Development, Helwan University, Cairo, 2000.
- Consulted in performing the required standard tests (Visual examination, material tests, welding quality test, leakage test, hydraulic pressure test and explosion test) on a 3 kg gas cylinder for domestic use and issuing the compliance/

approval certificate through Faculty of Engineering, Helwan University, Cairo, Egypt, July 16, 1997. The cylinders were produced by the Arabic Company for Metal cutting, 6th of October City, Cairo.

- Reviewer as a research committee member several individual research project proposals for funding from research council, UAE Universities, 2006-2009)
- Reviewer as a research committee member several research papers of UAEU annual research conference for the best research awards. (2006-2009).
- Consulted to conduct the compression tests of the Master Thesis of student Gehan Mostafa Kotp Tolba "An Experimental Study on Preparation and Evaluation of Some Porous Materials, Chemical Engineering Department, Faculty of Engineering, Minia University, Egypt, 2007.

G- SEMINARS/WORKSHOPS DELIVERED, ORGANIZED OR ATTENDED AS CONTRIBUTION TO THE UNIVERSITY DEVELOPMENT

Delivered (samples)

- 1- Workshop on Research Induction: Guidelines for PhD/MS Researchers for Effective Accomplishment of Research Milestones, organized by CGS, 15 april 2018.
- 2- Seminar presentation on "Methodology of polymers blending and recycling" to faculty members and students (undergraduate and graduate) of engineering college, Ibn-Khaldoun University, Tiaret, Algeria, 13-12-2011.
- 3- Seminar presentation on "Impact of environmental and process parameters on the properties of blended and recycled polymeric materials" to faculty members and students (undergraduate and graduate) of engineering college, Ibn-Khaldoun University, Tiaret, Algeria, 13-12-2011.
- 4- Seminar presentation on "Application of nanotechnology in the area of construction materials" to faculty members and students (undergraduate and graduate) of engineering college, Ibn-Khaldoun University, Tiaret, Algeria, 14-12-2011.
- 5- Delivered a departmental seminar presentation on "Characterization of Polymer Blends", March 10, 2010.
- 6- Delivered a seminar presentation on my published papers submitted for promotion to professor rank, Permanent Scientific Committee, Supreme Council of Universities, Manufacturing Engineering, Mechanical Design, Weaving and Marine Engineering, 2009.
- 7- Delivered a seminar presentation on my research activities as a visiting associate professor to Mechanical Engineering Department, Indian Institute of Technology, India, from July 02 to August 20, 2007.
- 8- Delivered a seminar presentation on "Development of Novel Hydroxyapatite-polymer Composites as Medical Devices for Hard Tissues Replacements" Interdisciplinary projects seminars presentations, Arranged by Research affairs, UAEU, September 2006.
- 9- Invited by the Al-Ain Municipality to contribute to the delivery a seminar presentation on 'Effects of Natural and Artificial Weathering on the Performance of Locally Manufactured Polymer-Modified Bituminous (PMB) Waterproofing Membranes', Held at Al-Ain Municipality, June, 21, 2005.
- 10- Involved as a member of the research team of UAEU Traffic Safety Center, in the planning and delivering of professional development activities related to research, workshops, seminars, etc., that have been conducted through the center. I have contributed to the activities of session No 5- Vehicle Safety, Traffic Safety in the UAE: Reality and Vision Symposium, organized by the UAEU Traffic Safety Center, held on March 13-15, 2005.
- 11- Delivered a seminar presentation on the new developments in teaching the materials of two undergraduate courses (Mechanics of Materials I –GENG305- and Engineering materials-MECH 390) that I have assigned to develop/contribute to their development as IT-based active learning courses (Laptop courses) as per EBAT format, Laptop seminar, College of Engineering, December 15th, 2004.
- 12- Delivered a seminar presentation on my current research activities entitled "Characterization of Stable Crack Propagation through Metals", the 2nd seminar in the Departmental Seminar Series of 03-04, Wednesday April 9, 2003.
- 13- Workshop Seminar on "Optimum design of some of the internal combustion engine parts including a comparison between diesel and petrol engine parts from the following points of view: Geometry and configuration, material, production and power", in the Automotive Engineering workshop for UAEU male students in the period March 22-25, 2003. Location: Automotive Laboratory, Mechanical Engineering Department, Faculty of Engineering, Jimi campus. The workshop was organized by Mechanical Engineering Department in collaboration with UAEU Creativity Club.
- 14- Delivered a seminar presentation on "Fracture and Fatigue Behavior of Adhesive Sandwich Materials", latest development review article for the promotion to Associate Professor rank, presented to the Universities Supreme

Council, The Permanent Scientific Committee for Mechanical Design and Applied Mechanics Associate Professor's Positions, Faculty of Engineering, Cairo University, Department of Mechanical Design and Production, the meeting of October 10th 2003.

- 15- Delivered a seminar on "The vision, mission, and impact of the UAEU at the local and regional levels with emphasis on the role of the UAEU Research Affairs". The presentation was conducted in the Monash University Accident Research Center (MUARC), August 3-20, 2002.
- 16- Contributed to the delivery of the short course "Fortran Programming Using Visual FORTRAN 6.0", organized by the Mechanical Engineering Department. The course included 5 sessions and conducted in the college of engineering computer laboratory 3. The course was offered to two groups, the first group attended from 12 to 15 May 2001, and the second group attended from 19 to 22 May 2001.
- 17- Contributed to the delivery of the training course "Lubrication Engineering", organized by the Tenth of October Higher Institute of Technology, held at the Environment Services Center, Cairo, Egypt 1999.

Organized (samples)

1. Workshop on "Entrepreneurship", by Professor Graham Horton, (Dean of University of Magdeburg, Germany and co-founder of Zephram Company, Germany), Eng. Jana Gors, Zephram Company, Germany, and Dr. John Meewella, Continuing Education Center, UAEU, Wednesday, May 6, 2009. Workshop on "How to pass your job interview" Dr. Abdulhamied Alromaithy Maqam campus, Wednesday March, 25, 2009.
2. Seminar on "Year 2109 - Welcome to the age of ROBOTS - The Next Revolution", by Mr. Jamil Ahmed, IEEE, Tuesday 24th March, 2009.
3. Seminar on "Female students in Mechanical Engineering", delivered by Eng Merhan Mohamed Kamel, From ADCO, April 27, 2009, MAQAM Campus, building 80, Room# 047. The seminar organized by ASME Society-Student Section, UAEU.
4. Seminar on "Pressure Vessel Design", delivered by Eng Merhan Mohamed Kamel, From ADCO, May 4, 2009, MAQAM Campus, building 80, Room# 047. The seminar organized by ASME Society-Student Section, UAEU
5. Seminar on Educational Experience of UAEU Engineering Students", April 1st, 2009, Maqam Campus, building 80, Room# MQ80 – 047. The seminar organized by ASME Society-Student Section, UAEU.
6. Seminar titled: Magnetic Purification of CD133+ Pluripotent Stem Cells by Nano Particles for Treatment of Spinal Cord Injuries", delivered by Dr. Adeeb Alzoubi from Philadelphia University, Jordan, held on Sunday 22/3/09 at 10 am in the Maqam Campus Building 80 room 43. The seminar organized by ASME Society-Student Section, UAEU.
7. Workshop on "How to Pass Your Job Interview" by Dr. Abdelhamied Alromaithy, March, 2009 for Female students through ASME society-student section-UAEU.
8. Workshop on Mat lab application by Dr. Khalifa H. Hareb, 22-24, 2009 for male students through ASME Society-Student Section, UAEU.
9. Collaborated with McGraw-Hill representative (Mr. Hassan Zaza) in organizing a workshop and book fair, ME Department, Jimi Campus (1st term 07-08)
10. Organized the seminar, " Stable Crack Growth and Fracture Mode Transition", by John Ducate, Sr. Professor Bill Chao of Mechanical Engineering Department, University of South Carolina; also, Former Chief Editor of the Journal of Experimental Mechanics. The seminar arranged by the Mechanical Engineering Department on Wednesday (1:00-2:00 pm) 12th January, 2005, Mechanical Engineering Lecture Hall .
11. Organized the seminar, "Modern Trends in the Mechanics of Laminated Plates" by Dr. Dipl.-Ing. Christian Mittelstedt, Universität Siegen, Fachbereich 11 – Maschinentechnik, IMR - Institut für Mechanik und Regelungstechnik – Mechatronik, Paul-Bonatz-Str. 9-11, D-57068 Siegen, BR Deutschland / Germany, The seminar arranged by the Mechanical Engineering Department on 5th Feb. 05.
12. Participated in organizing a seminar on "Aspects of Rolling Bearing" given by Eng. Harald Grubel and Eng. Andre Du Preez from FAG Bearing in Germany, Mechanical Engineering Department Lecture Hall. February 25, 2004.
13. Participated in organizing the Seminar given by Prof. Brian Fildes of Monash University Accident Research Center on "The Research Activities of MUARC" MSL Laboratory, Mechanical Engineering Department Building, Faculty of Engineering, United Arab Emirates University, September 8, 2002.
14. Participated in organizing a seminar on "Elements of Total Quality Control Management" by Mr. Ahmad Abdel-Ghafar, Director of Standardization and Metrology Department, Ministry of Finance and Industry, 2001
15. Organized the "Annual Scientific Conference of the Mechanical Design Department", Faculty of Engineering, Helwan University, and participated in the annual Scientific Conferences of the Faculty of Engineering and Helwan University (1996-1999).

Attended (samples)

16. The 4-hour Technical Tutorial, Bolted Joint Design, Analysis, and Code Compliance, Presented by, Sayed Nassar, Oakland University, and Warren Brown, Integrity Engineering Solutions Pty. Ltd, Organized by Pressure Vessels & piping Division, American Society of Mechanical Engineers, July 16, 2013, Paris, France.
17. Several seminars and workshops organized by the Pressure Vessels & piping Division, American Society of Mechanical Engineers (2007-2013).
18. Several seminars and workshops organized by the UAEU ASME society (as a leader of ASME for many years).
19. Several research seminar series organized by Mechanical Engineering Department, (2000- 2013).
20. Workshop on "Credit Hours System", Competency Development and on Going Training (CDOT) Centre, Helwan University, Egypt, 22-24 June, 2008.
21. Workshop on "Time and Conference Management", Competency Development and on Going Training (CDOT) Centre, Helwan University, Egypt, 22-24 June, 2008.
22. Workshop on "Strategic Planning", Competency Development and on Going Training (CDOT) Centre, Helwan University, Egypt, 29 June-1 July, 2008.
23. Workshop on "Quality Standards in Teaching", Competency Development and on Going Training (CDOT) Centre, Helwan University, Egypt, 6-8 July, 2008.
24. Workshop on "Effective Presentation Skills", Competency Development and on Going Training (CDOT) Centre, Helwan University, Egypt, 10-12 August, 2008.
25. Workshop on "Student Evaluation", 20-23 August 2008, Faculty and Leadership Development Project, FLDP Center, Tanta University, Egypt.
26. College of Engineering Accreditation Workshop by Prof. Jerry Yeargan and Prof. Mario Gonzalez, May 20-22, 2007.
27. Seminar of two topics "Hydrogen energy: the key to a sustainable development of EU AND GCC countries & Exergetic efficiency of a PEM electrolyser at variable operating temperatures and pressures", 3rd in the Departmental Seminar series of 03-04, given by Dr Ayoub Kazim, ME Department Lecture Hall, College of Engineering, March 10, 2004
28. Seminar "Application of Nanomagnetic in Biotechnology", the first in departmental seminar series of 04-05, given by Dr. Yousef Al Hayek, Chairman of ME Department, Video Conference Room, Civil Engineering Department, College of Engineering, September 25, 2004.
29. Seminar "Fiber Reinforced Composites: a world of exciting opportunities", 2nd in the Departmental Seminar series of 04-05, given by Dr. Adel-Hammami, ME Department, Video Conference Room, Civil Engineering Department, College of Engineering, October 2nd , 2004.
30. Series of seminars on "Production Operations, Reservoir Modeling and Reservoir Characterization". The seminars were related to Hydraulic fracturing which involves a lot stress-strain analysis of reservoir rocks, organized by Chemical and Petroleum Engineering Department. Engineers from Schlumberger delivered the series seminars, which started on Saturday March 15th, 2003 for four weeks (on Saturdays).
31. Seminar "Engineering decision-making fuzzy –logical reasoning", 1st in the Departmental Seminar series of 03-04, given by Dr. Sharif Ullah, ME Department lecture Hall, College of Engineering, March 16, 2003.
32. Seminar "Natural Gas Vehicles", offered by Mr. Frank Chapel, senior executive from BP-Egypt. Place: College of Engineering Seminar Hall, 1st semester AY 2001-2002.

Achievement Report

Prof. Abdel-Hamid Mourad

I received my B.Sc. degree in Mechanical Engineering (1981) from Helwan University, Cairo, Egypt. I worked as a demonstrator in the department (Sept. 1981-Oct. 1984), then worked as assistant lecturer from October 1984 up to May 1989. I received my M.Sc. degree (1989) in Mechanical Engineering (stress analysis area) from Helwan University then worked as a lecturer from May 1989 up to June 1991. In 1991, I got a scholarship from the INDO/ARE Cultural Exchange Program under which I earned my Ph.D. degree in the Mechanical Engineering (Fatigue and Fracture Mechanics area) from the Indian Institute of Technology, Bombay (IITB), Mumbai, India, in 1995. After awarding the PhD degree, I have started working as a full-time lecturer (1995) at the Mechanical Design Department, Helwan University. I was promoted to the rank of assistant professor in 1996. In 1998 I have been invited as a visiting scholar at the Ohio State University (Department of Aerospace Engineering, Applied Mechanics and Aviation) USA. In September 2000, I joined the UAEU as assistant professor. In September 2003, I was promoted to the rank of associate professor at Helwan University. In 2005, I was promoted to the rank of associate professor at the UAEU. In 2007, I was invited (fully accommodated with monthly honorarium) as a visiting scholar/professor at IITB (June 30th -August 20th). In 2009 I was promoted to the rank of full professor at Helwan University and promoted to the same rank at the United Arab Emirates University in Spring 2014.

Teaching:

Throughout my career, I have taught a wide spectrum of courses at undergraduate (department, college, ERU and university) and graduate (in 3 graduate programs) levels. Varieties of teaching aids/methods are used in delivering the material of each course. At the undergraduate level, I have developed/taught 19 undergraduate courses at the UAEU. Among these courses are: Aircraft Structures MEC 552 (for minor in aerospace engineering program), Mechanics of Materials 1 (GENG 305), Intermediate Mechanics of Materials (MECH 547), Mechanics of Materials 3 (MECH 507), Machine Design I (MECH 407), Machine Design II (MECH 412), Engineering Materials (MECH 309), Computer Aided Drawing (MECH 315), Man and Science (GEST 231). I have supervised 21 GP1 and GP2 and 4 undergraduate research opportunity projects UGRO , UGRO2, UGRO 3 and UGRO 4. In addition, I have taught/developed 9 courses at other Universities (among them, Stress Analysis, Strength of Materials, Machine Design, Machine Elements Design, Engine Design, Engineering Drawing, Mechanical Drawing, and Statics) and supervised many graduation projects, among them, Graduation Project titled “Design of a 3 ton crane”.

At the graduate level I have taught/developed 14 graduate courses in three UAEU graduate programs: Mechanical Engineering and Materials Science and Engineering at the college of engineering and environmental science at the College of Science. Among these courses are: Mechanical Behaviour of Materials (MECH 605), Advanced Solid Mechanics (MECH 630/ Developed), Fatigue and Fracture Mechanics (MECH 620/ Developed), Failure Analysis and Prevention (MTSE 614/Developed), Mechanical Properties of Materials (MTSE 630/Developed), Selected Topic in Mechanical Engineering (MECH 670/developed)/Nondestructive Tests, Directed Individual Study (MECH 691/developed)/Practical Fracture Mechanics, Special Topics in Metal and Alloys (MTSE 620/developed)/ Fracture Mechanics, Structure and Properties of Materials I (MTSE 602) and Direct Individual Studies (MECH 691). I have also taught specialized thesis topics (MECH 690, MTSE 660 and ENVR 6111) for all Master students that I have supervised in the ME, MTSE and ENVIR Science programs at UAEU. In addition, I have taught/developed many courses at other universities (among them Theory of Elasticity and Plasticity, Fracture Mechanics, and Research Discussion).

Coauthor (with Prof. Abdelrazak Zekri, and Dr. M. Maraqa) of “Faculty of Engineering Safety Manual”, 2003. Co-author of "Man and Science" textbook, Arabic Edition, UAEU press, 2006. Developed the educational material, Ethics Chapter, of “Man and Science (GEST 213) course, English Edition, the general education program, UAEU, first semester of AY 2008/2009. Developed mechanics of materials 1 (GENG 305) lab manual, fall 2012. Attended different education and assessment workshops to improved my teaching and evaluation methods.

Receives fund of 155K DHS from ADWEA as a support for graduation project in which I have introduced with my students innovative loading frame. Received in-kind fund from STRATA company for 2 graduation projects (Spring 2014 and Spring 2015). Also received Fund of AED 100,00 from MUBADALA for 4 Undergraduate Research Opportunity Projects [Spring 2014 (AED 20,000), Fall 2014 (AED 20,000), Spring 2015 (AED 20,000), Fall 2015(AED 20,000)]. Published 2 educational journal paper and 3 educational conference papers.

Students evaluations are well above the department, the college and the university averages. The evaluation of the ME department chairs in the last 15 years is excellent. Received many recognitions from the university (received 2 salary increase merits), the college (received super academy faculty plaque and certificate from college of Engineering Dean in the males graduation ceremony-Jan. 3, 2005), and students (many certificates and movie are received) as appreciation for my outstanding performance and excellence in teaching.

Research:

I am active researcher in several attractive topics of engineering applications such as fracture mechanics, mechanical behavior of materials (metals, polymers, ceramics, and composites), stress corrosion cracking, materials characterizations using different techniques [e.g., mechanical testing, nanotechnology/nanoindenter thermal and physical analysis, FTIR, TGA, DSC etc.], fatigue and fracture of materials, stress analysis, stress corrosion cracking, finite element method, failure analysis and prevention, tissue engineering and biomaterials, durability and degradation of polymeric and composite materials, friction stir welding FSW and friction stir spot welding FSSW, biomaterials and nanotechnology

I have supervised/co-supervised 7 PhD and 29 Master students from different departments/colleges graduate programs (Mechanical Engineering and Chemical and Petroleum Engineering at College of Engineering, Chemistry Department at College of Science and Anatomy Department at College of Medicine). Dr. Mourad obtained many externally and Internally Funded Research Projects. The complete list of graduate students and funded projects are available in the attached CV

My research has resulted in more than 159 referred and peer reviewed international journals (68) and conference (76). I publish my research findings in first-class international refereed journals of excellent reputation in my research fields. I am the leading author in most of the papers (either the first or the corresponding author). I do published in journals of excellent reputation in my field such as, Materials and Design (Top 5% IF=3.9), Engineering Fracture Mechanics (Top 10%-IF=1.941), International Journal of Fracture (IF=1.250), Polymer Testing (IF=2.309), International journal of Bideterioration & Bioegradation (IF=2.059), Journal of Applied Composite Materials (IF=1.048), Applied polymer science (IF=1.395), International Journal of Advanced Manufacturing Technology (IF=1.205), Engineering Failure Analysis (IF=1.173, Nuclear Engineering and Design (IF= 1.102), Materials Science and Engineering: A. (IF= 2.59), Bio-medical Materials and Engineering (IF=1.087) and Biotechnology and Applied Biochemistry (IF=1.348). International Journal of Pressure Vessels and Piping (Top 10%, IF 1.432).

I acted as a topic developer, session chair, co-chair and session developer in many international conferences, e.g., ASTM PVP conferences. I am a member of Materials and Fabrication committee, ASME PVP division. I have acted as the Editor-in-Chief of Emirates Journal for Engineering Research (From Spring 2012 up to Fall 2015-Then from Fall 16-Present) and director of the mechanical engineering graduate studies program, UAEU (From Fall 2012 up to Fall 2015). I have written the SSR of the ME MSc program that has been reviewed by the two international external reviewers and two UAEU reviewers (Spring 15). I have acted as a guest Editor of two books. (1) Mechatronics and Computational Mechanics II: Selected, Peer Reviewed Papers from the 2013 2nd International Conference on Mechatronics and computational mechanics (ICMCM 2013), Frankfurt, December 30-31 (Applied Mechanics and Materials), Trans Tech Publications, 31 May 2014. ISBN-13: 978-3038350293 ISBN-10: 303835029X. (2) Abdel-Hamid Ismail Mourad, Editor: Automatic Control and Mechatronic Engineering III (Applied Mechanics and Materials) Paperback – 31 October, 2014, ISBN-13: 978-3038351993 ISBN-10: 3038351997,

I am collaborating with many research groups at the UAEU and reputable regional and international universities. In the area of fracture mechanics and finite element analysis, I have published several papers with Prof. Bill Chao of South Carolina University <http://www.me.sc.edu/fs/chao.html> and Prof. S. K. Maiti and his group at the Indian Institute of Technology <http://www.me.iitb.ac.in/~skmaiti/>. In the area of polymer and composite material durability and characterizations, I have published many papers with Prof. Beckry Abdel Majed and his group at the Winona State University, USA http://www.winona.edu/engineering/listing_faculty_staff.html. Dr. Beckry was hosted by UAEU under Fulbright Scholarship Program 2008/2009. In the area of polymeric nanocomposite material for aerospace applications, I have published one paper with Dr. H. M. S. Iqbal and group from Delft University, Netherland <http://arc.aiaa.org/toc/jtht/25/1>. In the area of polymer characterization and Biomaterials, I have published many papers with Prof. David Barton of Leeds university <http://medical-technologies.leeds.ac.uk/profiles/professor-david-barton> and our PhD student Hassan Fouad (currently with Kink Saud University) <http://faculty.ksu.edu.sa/Dr.HassanFouad/default.aspx> and with one of my master students (at Helwan University). In the area of polymer degradation I have published two papers with Prof. Pietro Picuno and his group, **University of Basilicata, Italy**. In the area of Biomedical Engineering, I have published three papers and one patent with our research group in ME department (Dr. Ali Alnaqbi and Dr. Basem Yousef) and Prof. John D.S. Gaylor of University of Strathclyde <http://www.strath.ac.uk/humanities/courses/history/staff/youngjohndr/>. In the area of mechanical behavior, durability and characterization of greenhouse house polymeric covers, I am collaborating with Prof. Abdelkader and his group, College of Material Science, Ibn-Khaldoun University, Tiaret, Algeria. Currently, I am co-supervisor of two PhD students with Dr. Abdelkader. We have published several joint papers on this research area. In the area of polymer degradation I have published two papers with Prof. Pietro Picuno and his group, **University of Basilicata, Italy**. In the area of fracture mechanics and welding, I am collaborating with researchers from Tanta University and Suez Canal Universities, Egypt. Involved in many research projects and theses supervision with colleagues from Chemical and Petroleum Engineering UAEU (Prof. Basem Abu Jadayl, Prof. Muftah Al Naas, Dr. Essa Almatroshi and Dr. Mohammad Sayem Mozumder) in the area of mechanical behavior of materials, coating, bio materials and materials characterization. In the area of tissue engineering and biomaterials, I am involved in many research projects and theses supervision with

colleagues from chemistry department, college of science (Dr. Yaser Afifi), and anatomy department (Prof. Sherif Karam and his group), college of medicine. I have also published several papers with Prof. Osama Abu Zaid and our students in the area of failure analysis and stress corrosion cracking.

As an indication for my research quality, three of my publications have been included among the ScienceDirect TOP25 hottest articles list (the most downloaded articles). The first has been published in Polymer Testing journal (2005). The other two have been published in Engineering Failure Analysis (2007 and 2009). In 016 I have published 1 paper top %5 and 3 papers Top 10%. In the area of fracture mechanics I have introduced a new technique for measuring the fracture toughness from full-scale pipe. The paper has been published in ASME PVP 2012 conference and published in the ASTM Materials Performance and Characterization journal: special issue on fracture toughness. Also I have introduced with my colleague, Dr. Ahmad Alqasas, at Tanta university a novel technique for manufacturing of rice straw fibers for fiberboards production. The work has been published in Materials and Design journal (Top 5%). I have developed new technique for the measurement of tensile properties of PVA. The work has been published (2013) jointly with Prof. Muftah El Naas. My research activities have been funded by several, international, external and internal grants (Center based, UPAR, Collaborative grant, Mubadala).

Service:

In terms of university and community services: I have been heavily involved in different committees and activities at the departmental, college, and the university levels. Contributed effectively, starting from scratch, to the establishment of the UAE Roadway Transportation and Traffic Safety Research Center [2001-2005]. The start was in 2001 when I have invited, with a team from ME department, by the director of Standardization Organization, Ministry of finance, to meet with delegations from General Motors GM and Monash University Accident Research Center MUARC to investigate a HOLDEN car accident in UAE. Then, I have been assigned and delegated [by the DVC for academic affairs, Decree No. 279/2002, 2002] to MUARC to discuss a memorandum of understanding between MUARC and UAEU, for establishing UAEU Traffic Safety Research Center. Then, I have been involved in and contributed to all stages of the center establishment (2005). Among the other important committees are: Admission Panel member for the Incubation program (the Science & Innovation Park) UAEU, Spring 2015. Design and Manufacturing Focus Group leader (Fall 2016-present), Chair of the mechanical engineering graduate studies committee and the coordinator of the ME graduate program (Fall 2012); Editor-in-chief of the Emirates Journal for Engineering Research (spring 2012); Chair of the facilities sub-committee for ABET preparation [2003-2008]. Developed the facilities section in the SSR of the department; Chair of the ENGEX 2002 and ENGEX 2004 committee for the preparation of the ME Dept. sections for males and females; Chair of advertisement activity [2007-2008], social events [2007-2008], safety [2001-2003], students activities and ASME society [2007-2009] committees; Member of the continuous improvement quality [2012-present], outcomes assessment [2007-present], ABET (pre-present) committees; Chair of ad-hoc committee for developing program outcomes direct measures instruments for industrial training and graduation projects students [March, 2007]. Both tools are used since 2007 in some of POs assessment. Contributed to the development of the college of engineering safety manual. I have acted as an academic advisor for the ME students, general engineering students and participated in the new student orientations. Member of many international committees and contributing to the review of their standards, e.g., fatigue and fracture ASTM E08 (13-03) and ASME PVP materials and fabrication technical committee. Among the important committees that I have served for are: TPC member of the UAE Graduate conference (UAEGSRC'16) <http://www.uaegsrc.ae/>, TPC member of the UAE Graduate conference (UAEGSRC'17) <http://www.uaegsrc.ae/committees> <http://www.uaegsrc.ae/>, ASTM: Member of the Committee E08 on Fatigue & Fracture, ASME PVP conference: Topic organized & Session developer, - ASME PVP conference: Member of the Materials and Fabrication committee, - International Advisory Board, ICCST/11, AUS Sharjah, UAE, 017: https://www.aus.edu/info/200227/conferences/596/iccst_11/3, - Admission Panel member for the Incubation program (the Science & Innovation Park) UAEU, Spring 2015.

I have offered several consultancy and advisory services to the industry: Among these are: Gulf Extrusion, DUCAB, Dubai Municipality; RMJM (Robert Matthew Johnson Marshall), Dubai; Anabeeb (Hobas Gulf Factory); Pipes Manufacturing Factories, UAE; GHC, ITM O & M Company Limited, Abu Dhabi. Reviewed many Saudi Arabia and Gulf standard specifications for Emirates Authority for Standardization and Metrology, Ministry Emirates Authority for Standardization and Metrology, UAE. Delivered many seminars, workshops, training courses (e.g. for STRATA trainees). Assigned to participate in the activities of the Strategies in Traffic Safety Committees-Vehicles Safety and Integrity Committee, Ministry of Interior, Traffic Department, UAE, (Vice chancellor office, file no. 21/395 date 13 April 2002). Proceedings Editor (ICMCM2013), conference chair (ICMCM2013, ICMCM2012, ICACME2012 and ICACME2013), Technical program committee member, session chair/co-chair, session developer, topic organizer, organizing committee member for many international conferences. Supervisor, reviewer and examiner of many local, regional and international Master and PhD theses. Reviewer for many international journals and conferences. Reviewer of many national, regional, and international research proposals for funding.

Appendix

Certificate of Appreciation

THE COLLEGE EXCELLENCE AWARD IN SCHOLARSHIP

for Academic Year 2016-2017
is awarded to

Prof. Abdel-Hamid Ismail Mourad

PROFESSOR IN MECHANICAL ENGINEERING DEPARTMENT.



Prof. Sabah Alkass
Dean, College of Engineering

No : CoE / 7713786/17

Date : 16th May , 2017

Prof. Abdel Hamid Ismail Mourad (ID: 000002206)
Professor
Mechanical Engineering Department
College of Engineering
UAEU

Dear Prof. Abdel Hamid

I am pleased to inform you that you have been granted the Excellence Allowance. You will be receiving a one-year merit of 2500 AED per month effective of September 1st, 2017. HE the Provost and I would like to offer our sincere congratulates for this excellent achievement.

Sincerely



Prof. Sabah Alkass, PhD, P.Eng, FASCE
Dean, College of Engineering



CoE (38/ 874)-12

9th October 2012

Dr. Abdel Hamid Mourad

Mechanical Engineering Department

Dear Dr. Mourad

I am writing this letter to inform you that you have been appointed to serve as Coordinator of the **Mechanical Engineering Graduate Program** at the Mechanical Engineering Department, Faculty of Engineering, for the Academic Year 2012/2013, beside your regular duties.

The Faculty of Engineering looks forward to your contributions and if there are any issues or initiatives you may like to propose, I will be more than glad to discuss them with you.

With best wishes

الدكتور / عبدالحميد مراد
المحترم
قسم الهندسة الميكانيكية

تحية طيبة وبعد،،،

يسرني إعلامكم بأنه تم تكليفكم للإشراف على برنامج الدراسات العليا في الهندسة الميكانيكية، قسم الهندسة الميكانيكية، كلية الهندسة للعام الجامعي 2012/2013، بالإضافة إلى عملك الأصلي.

وإذ نتطلع الكلية لمساهماتكم، فإنها تتمنى لكم التوفيق في هذه المهمة، وإذا كان لديك أي اقتراحات أو مبادرات، فيسعدني تلقيها ومناقشتها معكم.

Best regards

ر. م. م. م.

Prof. Reyadh Almehaideb
الأستاذ الدكتور / رياض المهيدب
Dean, College of Engineering
عميد كلية الهندسة



Cc:
Provost
Vice-Provost for Research and Graduate Studies
Associate Dean for Research and Graduate Studies
Chairman of Mechanical Eng. Dept.
Human Resources Director

نسخة إلى:
أ.د. نائب مدير الجامعة
أ.د. مساعد نائب المدير لشؤون البحث العلمي والدراسات العليا
د. العميد المشارك لشؤون البحث العلمي والدراسات العليا
د. رئيس قسم الهندسة الميكانيكية
مدير الموارد البشرية

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Certificate No.: CBR20180061

Certificate of Membership

It is under our hand in this day

03/01/2019

Date of Expiration:

03/01/2020

Let It be Known by This Certificate That

Abdel-Hamid Ismail Mourad

Is Hereby an Editorial Board Member in Good Standing of

Materials Science: Materials Review

Cai Qiang, President

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Certificate of Achievement

Presented to

Dr. Abdel-Hamid Mourad

for Publishing in a Top Journal and Bringing Recognition to United Arab Emirates University



Dr. Chaleb Ali Alhadrami
DVC for Research and Graduate Studies



Dr. Ali Rashid Al Noaimi
Vice Chancellor, UAEU

تكريماً لأعضاء هيئة التدريس المتميزين في البحث العلمي
Recognizing Faculty Members in Research Excellence



Certificate of Achievement

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Dr. Abdel-Hamid Mourad

for Publishing in a Top Journal and Bringing Recognition to United Arab Emirates University



Dr. Chaleb Ali Alhadrami
DVC for Research and Graduate Studies



Dr. Ali Rashid Al Noaimi
Vice Chancellor, UAEU



تكرم أعضاء هيئة التدريس المتميزين في البحث العلمي
Recognizing Faculty Members in Research Excellence

أخبار جامعة الإمارات العربية المتحدة

باحثو جامعة الإمارات يشرون المجالات العالمية بدراساتهم المتتميزة بمعدل 66 ورقة بحثية

تاريخ النشر: 2015/5/6

كشّرت جامعة الإمارات العربية المتحدة يوم أمس الإثنين 2015/5/4 نخبة من أساتذتها نظير دورهم الرائد والمتميز في التعليم العالي والبحث العلمي على المستويين الإقليمي والعالمي، وذلك من خلال ما قدموه من أبحاث متميزة ودراسات رصينة تعزز المكانة العلمية والبحثية المرموقة التي تحظى بها الجامعة، وهو ما أكدته قاعدة البيانات SCOPUS وصفحة الويب للعلوم (WOS) استناداً على المجالات العلمية 1% و 5% و 10%.





UAE GSRC 2015
Graduate Students Research Conference
22 - 24 March 2015

Best Paper Award

Engineering and Physical Sciences - Mechanical Engineering

Presented to

Mariam Ahmed Al-Dhaheri¹, Frank van Liempt²;

Soufiyane Ait El Hadj², Abdel-Hamid Ismail Mourad¹

Analytical and Numerical Modeling for Single Lap-Joint Bond-line Region

¹United Arab Emirates University, UAE, ²STRATA Manufacturing, UAE

Dr. Afi AlHamadi
Conference General Chair

Dr. Mohammed AlMualla
Conference Executive Chair



Congratulation

To

Prof, Abdel Hamid Ismail Mourad

For

Winning

best paper in the UAE Graduate Students conference in Abudhabi

الموقر

سعادة الدكتور / على راشد النعيمي

مدير جامعة الإمارات العربية المتحدة

السلام عليكم ورحمة الله وبركاته ... وبعد.

الموضوع / منح مكافآت مالية تحفيزية للمخترعين الحاصلين على شهادة براءة اختراع دولية:

فيطيب لي أن أبعث لسعادتكم بخالص التحية والتقدير، وأود أن أحيط سعادتكم بأنه وحسب الخطة والأهداف الاستراتيجية المعتمدة لوحدة الملكية الفكرية في قطاع البحث العلمي والدراسات العليا وضمن برنامج: " تشجيع التقدم بطلب تسجيل براءة اختراع عن طريق تقديم حوافز تشجيعية لمن يحصل على شهادة براءة اختراع نهائية". فقد قمنا بحصر أسماء الدفعة الأولى من المخترعين الذين صدرت لهم شهادة براءة اختراع أصلية ابتداءً من 2013/7/1 وحتى 2014/6/30 كما هو موضح بالكشف المرفق، وذلك خصماً من صندوق دعم البحوث بمكتب نائب مدير الجامعة للبحث العلمي والدراسات العليا.

وبناءً على ما سبق نأمل موافقتكم بمنح هذه المكافآت التحفيزية تشجيعاً لبيئة التنافس والإبداع في البحث العلمي وبث روح التنافس والإبتكار بين أعضاء هيئة التدريس والطلبة بالجامعة.

وتفضلوا بقبول فائق الاحترام والتقدير...



المرفقات:

- مرفق كشف بأسماء المخترعين وبراءات الاختراع الصادرة باسم الجامعة.
- مرفق شهادات براءات الاختراع الأصلية الصادرة باسم الجامعة.

أ.د. غالب الحضرمي
نائب مدير الجامعة
لِلدراسات العليا والبحث العلمي

صالح المرافقة

Deputy Vice Chancellor for
Research and Graduate Studies
PO BOX 15551, Al Ain, UAE
T +971 3 713 5900 F +971 3 713 4910
vprgs.office@uaeu.ac.ae www.uaeu.ac.ae

نائب مدير الجامعة
لِلدراسات العليا والبحث العلمي
ص.ب. 15551، العين، الإمارات العربية المتحدة
ت +971 3 713 5900 ف +971 3 713 4910
vprgs.office@uaeu.ac.ae www.uaeu.ac.ae

قائمة بالاختراعات الصادرة لها شهادة براءة اختراع جاهية باسم جامعة الامارات العربية المتحدة
للفترة من (1/7/2013) وحتى (30/6/2014)

No	Invention Title	Country	Filing date	Inventor	Co-Inventor(s)	College	Award AED	Award/share	Grant No.	Grant Date
1	Date Pit Composition for the Treatment of Animals	Europe	26/10/2012	1st Inventor 2nd Inventor 3rd Inventor 4th Inventor	Ahmed Hussein Ibrahim Belal Khaled El Tarabily Salem Ali Alyalyali	CFA CFA COS CFA	20,000	5,000 5,000 5,000 5,000	EP 2586318	16/4/2014
2	Serviceable Bioreactor	UK	15/6/2012	1st Inventor 2nd Inventor	Ali Al Naqbi Abdel-Hamid Mourad	COE COE	20,000	15,000 5,000	GB 2503032	28/5/2014
2	Concentration measuring apparatus for hydrogen sulfide in gas flow	USA	28/2/2011	1st Inventor 2nd Inventor	Sayed Marzouk Mohamed Al Marzouqi	COS COE	20,000	10,000 10,000	US 8,709,820 B2	29/4/2014
4	Nano-Sized Composites Containing Polyvinyl Pyrrolidone Modified Sodium Silicates	USA	30/11/2012	1st Inventor 2nd Inventor	Abdel Mohsen Onsy Maita El Gamal	COE COE	20,000	10,000 10,000	US 8,759,434	24/6/2014
5	Alpha-synuclein fragments as diagnostic agents	USA	29/08/2008	1st Inventor	Omar Agnaf	CMHS	20,000	20,000	US 8,613,905 B2	24/12/2013
6	Methods for treating particulate material	USA	05/8/2009	1st Inventor 2nd Inventor	Abdel Mohsen Onsy Maita El Gamal	COE COE	20,000	10,000 10,000	US 8,721,785 B2	13/5/2014
Total Award							120,000			

Approved and authorized by:

Prof. Ghaleb Al Hadrami,
Deputy Vice Chancellor for Research and Graduate Studies.
Date: November 18, 2014.



.....



Intellectual
Property
Office

Certificate of Grant of Patent

Patent Number: GB2503032
Proprietor(s): United Arab Emirates University
Inventor(s): Ali A Hilal-Alnaqbi
Abdel-Hamid I Mourad

This is to Certify that, in accordance with the Patents Act 1977,

a Patent has been granted to the proprietor(s) for an invention entitled
"Serviceable bioreactor" disclosed in an application filed **15 June 2012**.

Dated 28 May 2014

John Alty

Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.

Intellectual Property Office is an operating name of the Patent Office

418/15
2 September 2015

Professor Abdel Hamid Ismail Mourad
Department of Mechanical Engineering
College of Engineering
United Arab Emirates University

Subject: Graduate Faculty Designation

Dear Professor Abdel Mourad,

In accordance with the University's Graduate Programs Policy on "Criteria for Selection of Faculty to Participate in Graduate Programs (Policy No. 1, Procedure 5)", upon the recommendation of the Dean of your college and the approval of the Graduate Studies Council, I am pleased to inform you that you have been designated as a Graduate Faculty (Level 5). This designation is valid for a period of three (3) years effective the start of the 2015-2016 Academic Year. Further details on the Graduate Faculty Designation are available in the Graduate Studies Policies and Procedures at <http://www.uaeu.ac.ae/en/about/policies/>.

On behalf of the Graduate Studies Council I commend you for your work and contribution to the graduate programs and the University, and wish you continued advancement and success.

Respectfully Yours,



Ghaleb Alhadrami
Deputy Vice Chancellor for Research and Graduate Studies

cc:

Dean's Office, College of Engineering

Office of the Assistant Dean for Research & Graduate Studies, College of Engineering

Division for Research & Graduate Studies

PO BOX 15551, Al Ain, UAE
T +971 3 713 5900 F +971 3 713 4910
drgs@uaeu.ac.ae, www.uaeu.ac.ae

قطاع الدراسات العليا والبحث العلمي

ص ب 15551 ، العين ، الإمارات العربية المتحدة
ت +971 3 713 5900 ف +971 3 713 4910
drgs@uaeu.ac.ae, www.uaeu.ac.ae

Abdel-Hamid Ismail Mourad

From: Nihel Chabrak
Sent: Thursday, December 03, 2015 5:34 PM
To: Yehya Marzouqui; Willow Williamson; Dennis Templeton; Omar El Gayar; Abdel-Hamid Ismail Mourad; Shawqi Kharbash
Cc: Ghaleb ali Alhadrami; Mohammed Madi Ahmed; Business-incubator; Ali Hilal Alnaqbi; Ahmed Ali Murad; Mohsen Sherif
Subject: Admission Panel for the Incubation program thank you and final disposition
Attachments: Accelerator 1 Program 2015-2016.pdf; Incubation Program 2015-2016.pdf
Importance: High

Dear Admission Panel Members,

First of all and on behalf of the Science & Innovation Park team, I would like to thank you for your valuable contribution to the selection of the projects for 2015-2016 incubation program.

We have now 5 projects in the incubation program and 4 others in the Accelerator 1 [see attached]. The projects in the later program need to work more on the technical aspects of their projects and if they complete this major task, they are allowed to move to the next stage which requires them preparing their business plan so they can apply for accelerator 2. If they are not ready within the time frame, then they can apply for the incubation program cohort 2 next year. Hence, the contribution of the UAEU faculties to improve the technical solution of the projects in Accelerator 1 is crucial. We rely on your support and the availability of the faculties for the best interest of the SIP, the UAEU and the UAE!

Finally, I will be more than happy to come and present our programs in your institution / college / department / etc. starting from January 2016.

Should you have any question, please do not hesitate to contact me

All the best

Nihel Chabrak, PhD
Associate Professor
College of Business & Economics |
Accounting Department
Director
UAEU | SIP | Business Incubator



نهل شبراك
استاذ مشارك
كلية الإدارة والاقتصاد | قسم المحاسبة

P.O.Box: 15551, Tel: +971 Email: nihel.chabrak@uaeu.ac.ae Web: <http://www.cbe.uaeu.ac.ae/en/departments/accounting/profile.shtml?banner=700019933>
Al Ain, UAE 3 713
5238



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United
States
of
America

To Promote the Progress



of Science and Useful Arts

The Director

of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this United States

Patent

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Andrew L. ...

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

Certificate of Participation

Presented to

Abdel-Hamid Mourad
UAE University

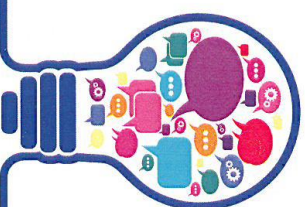
for participating in the

Innovation and Creativity Competition

21st November 2016

UAE University, College of Engineering,
AL-Ain, UAE

د.د. صباح الكاس
Prof. Sabah Alkass
Prof. Sabah Alkass
Dean, College of Engineering



Certificate of Achievement

Presented to

Prof. Abdel-Hamid Ismail Mourad

In recognition for his dedication and outstanding service as judge
in the 2015 Chancellor's Innovation Award.



Dr. Ali Rashid Al Noaimi
Vice Chancellor of UAE University



جائزة الرئيس الأعلى للابتكار
Chancellor's Innovation Award

شكر وتقدير

THANKS AND APPRECIATION

يسر مؤسسة الإمارات أن تتقدم بخالص الشكر والتقدير إلى
Emirates Foundation is delighted to award

Prof. Abdel-Hamid Ismail Mourad

وذلك تقديرا للدور المتميز في الإشراف على المشروع العلمي الفائق
بالمركز الثاني فئة العلوم التطبيقية والهندسة على مستوى الدولة
في معرض ومسابقة "بالعلوم نفخر" لعام 2016
Second Place winner
for effectively supervising the
"Think Science" Competition and
at the national level in the 2016
Fair in the category of Applied Sciences and Engineering

ميثاء الحبيسي
نائب الرئيس التنفيذي

شكر وتقدير

THANKS AND APPRECIATION

يسر مؤسسة الإمارات أن تتقدم بخالص الشكر والتقدير إلى
Emirates Foundation is delighted to award

United Arab Emirates University

وذلك للفوز
العلوم التطبيقية والهندسة
على مستوى الدولة في
معرض ومسابقة "بالعلوم نفخر" لعام 2016
Second Place
for Winning the
national level in the 2016 "Think Science" Competition and Fair in the
category of Applied Sciences and Engineering

ميثاء الحسني
نائب الرئيس التنفيذي



شكر وتقدير

THANKS AND APPRECIATION

يسر مؤسسة الإمارات أن تتقدم بخالص الشكر والتقدير إلى
Emirates Foundation is delighted to award

Prof. Abdel Hamid Ismail Mourad

وذلك تقديراً على المشاركة في معرض ومسابقة "بالعلوم نفكر" لعام 2015
for the effective participation and outstanding contribution to the
success of the "Think Science" Competition and Fair 2015

برنامج من | برنامج



EMIRATES
FOUNDATION
الإمارات

Authorized by



وزارة التربية والتعليم
Ministry of Education

الشراكة
Partners

Abdel-Hamid Ismail Mourad

From: Think Science <Think.Science@emiratesfoundation.ae>
Sent: Tuesday, March 17, 2015 2:32 PM
To: Think Science
Subject: Accepted Projects- Think Science Competition -Financial and Scientific Reports-المسابيق المقبولة -مسابقة بالعلوم تفكر-التقرير العلمي و التقرير المالي-Reports
Attachments: Financial Report For Think Science Project-University.xlsx; Think Science-Scientific Reports.docx



أعزائي طلبة الجامعات المشاركين في مسابقة بالعلوم تفكر
تحية طيبة وبعد،

• نرجو الالتزام بتعبئة و إرسال نموذج التقرير المالي المرفق لأي من المصاريف المتعلقة بالمشروع وتقديمه لنا

قبل **30 مارس 2015** عبر البريد الإلكتروني think.science@emiratesfoundation.ae

((علماً بأنه لن يتم صرف الدعم المادي الذي يصل إلى 4000 درهم كحد أقصى لكل مشروع إلا بعد انتهاء

المعرض وذلك في شهر مايو 2015، وذلك للمشاريع التي عرضت فقط، وسيتم تسليم هذه المبالغ مباشرة إلى أعضاء

الفريق وليس الجامعة وستعتبر هذه المبالغ حوافز المشاركة لهم، مع العلم بأنه لن يتم صرف أي مبالغ من قبل

المؤسسة في حال عدم عرض المشروع أو عدم حضور أعضاء الفريق، كما أنه لن يتم صرف أي مبالغ إضافية في حال
كانت تكلفة المشروع أكبر من قيمة الدعم.))

• نرجو الالتزام بإعداد و تسليم التقرير العلمي (كما في المرفق) وتقديمه لنا قبل **30 مارس 2015**

Dear University Students Participating in the Think Science Competition,

It is kindly requested from you to:

- Make sure that you Submit (by email) the **Financial Report** that covers all project's related expenses **before March 30, 2015** (template attached)

- ✓ A support of up to 4000 AED per each project and will be provided after the Competition and Exhibition in Ma, 2015 and only for the projects which are going to be displayed and compete at the “Think Science Competition”.
 - ✓ In case the project was not displayed at the exhibition, or in case of no show, you will not receive any fund.
 - ✓ The funding amount will not exceed the 4000 AED even if the project’s expenses were more than this amount.
 - ✓ These amounts will be dispatched to each team directly (not the university) from the Emirates foundation and will be considered as their participation award.
- Make sure that you Submit (by email) the Scientific Report with all details before March 30, 2015 (as in the attachment)

We wish you the best of Success..

Asma Tayyem

For further information please contact Emirates Foundation:

Email: think.science@emiratesfoundation.ae

Tel: +971 2 404 2935

Think Science Team



ASMA TAYYEM
SENIOR PROJECT LEAD
THINK SCIENCE

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Amina Mohammad Al Marri

Is recognized as the 2nd place winner of the

Explore Mars Competition - Science Track

2018

Dubai, UAE



Omran Sharaf

Emirates Mars Mission Project Director at Mohammed Bin Rashid Space Centre



ScienceDirect

THIS CERTIFIES THAT

ABDEL-HAMID I. MOURAD
EFFECT OF PRE-HEAT TREATMENT ON THE STATIC
AND DYNAMIC THERMO-MECHANICAL PROPERTIES OF
ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE
POLYMER TESTING - VOLUME 24, ISSUE 3

FEATURED IN THE

SCIENCEDIRECT TOP 25 LIST OF MOST DOWNLOADED ARTICLES

RANKED 20TH ON THE TOP 25
FOR POLYMER TESTING - APRIL TO JUNE 2005

SCIENCE DIRECT TEAM
ELSEVIER B.V., AMSTERDAM, THE NETHERLANDS

webshop.elsevier.com

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ScienceDirect

THIS CERTIFIES THAT

ABDEL-HAMID I. MOURAD
A STUDY ON THE FAILURE OF PUMP CASINGS MADE OF DUCTILE
NI-RESIST CAST IRONS USED IN DESALINATION PLANTS
ENGINEERING FAILURE ANALYSIS - VOLUME 14, ISSUE 7

FEATURED IN THE

SCIENCEDIRECT TOP 25 LIST OF MOST DOWNLOADED ARTICLES

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ScienceDirect

THIS CERTIFIES THAT

ABDEL-HAMID ISMAIL MOURAD
STRESS CORROSION CRACKING OF NI-RESIST DUCTILE IRON USED IN
MANUFACTURING BRINE CIRCULATING PUMPS OF DESALINATION PLANTS
ENGINEERING FAILURE ANALYSIS - VOLUME 16, ISSUE 3

FEATURED IN THE
SCIENCEDIRECT TOP 25
LIST OF MOST DOWNLOADED ARTICLES

RANKED 14TH ON THE TOP 25
FOR ENGINEERING FAILURE ANALYSIS - JANUARY TO MARCH 2009

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UAEGSRC 2016
Graduate Students Research Conference
27 - 28 April 2016 – Al Ain, United Arab Emirates

Certificate of Participation

This Certificate is Presented to

Prof. Mourad Abdel-Hamid
United Arab Emirates University

For your valued participation in the
Second Annual UAE Graduate Students Research Conference
April 27-28, 2016

Nagi Wakim

Organizing Committee Chair

Leila Ismail

Technical Program Committee Chair



UAE GSRC 2016
Graduate Students Research Conference
27 - 28 April 2016 – Al Ain, United Arab Emirates

Certificate of Appreciation

Presented to

Dr. Abdel Hamid Mourad
United Arab Emirates University

for serving as a Member of the Technical Program Committee


Nagi Wakim

Organizing Committee Chair


Leila Ismail

Technical Program Committee Chair

Certificate of Appreciation

The college of Engineering at the United Arab Emirates University
Expresses Sincere Appreciation to

Prof. Abdel-Hamid I. Mourad



for winning the second place in the most innovative idea category during the
3rd Innovation and Creativity Competition

February 5-6th, 2018


Dr. Naeema Al Darmaki
Assistant Dean for Student Affairs



Prof. Sabah Al Kass
Chair of the Conference, Dean of COE

Pressure Vessels & Piping Division
American Society of Mechanical Engineers

Certificate of Attendance

Prof. Abdel-Hamid I. Mourad

Has participated in the 4-hour Technical Tutorial

Fatigue Assessment of Weldments

Presented by
Pingsha Dong, University of Michigan and Matthew J. Doré, TMI Ltd.

July 18, 2017 – Waikoloa Village, HI, USA

D. Stang

Darren L. Stang

Professional Development Chair



Pressure Vessels & Piping Division
American Society of Mechanical Engineers

Certificate of Attendance

Prof. Abdel-Hamid I. Mourad

Has participated in the 4-hour Technical Tutorial

**Fitness-for-Service (FFS) Procedures for Evaluation of
Damage in Pressurized Equipment using API 579-1/ASME
FFS-1**

Presented by
Phillip E. Prueter and Brian Macejko, The Equity Engineering Group, Inc.

July 18, 2017 – Waikoloa Village, HI, USA

D. Stang

Darren L. Stang
Professional Development Chair



AUS

الجامعة الأميركية في الشارقة
American University of Sharjah



UAE GSRC 2018
Graduate Students Research Conference

This certificate is awarded to

Dr. Abdel-Hamid Ismail Mourad

in recognition to your contribution as a session chair during the
UAE Graduate Students Research Conference (GSRC2018)

American University of Sharjah, United Arab Emirates | April 21, 2018

Dr. Mohamed El-Tarhuni
Conference Chair

No : CoE / 77/3786/17

Date : 16th May , 2017

Prof. Abdel Hamid Ismail Mourad (ID: 000002206)
Professor
Mechanical Engineering Department
College of Engineering
UAEU

Dear Prof. Abdel Hamid

I am pleased to inform you that you have been granted the Excellence Allowance. You will be receiving a one-year merit of 2500 AED per month effective of September 1st, 2017. HE the Provost and I would like to offer our sincere congratulates for this excellent achievement.

Sincerely



Prof. Sabah Alkass, PhD, P.Eng, FASCE
Dean, College of Engineering



Certificate of Appreciation

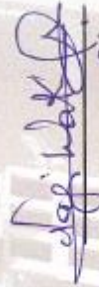
This Certificate is Presented to

Prof. Abdel-Hamid Ismail Mourad

College of Engineering

For your valuable contribution to the Graduate Student Development Program by Conducting a
Workshop on "Research Induction: Guidelines for PhD/MS Researchers for Effective
Accomplishment of Research Milestones"

This certificate is granted on the 3rd of May 2018
at the United Arab Emirates University in Al Ain, UAE


Prof. Nagi Wakim

Dean, College of Graduate Studies



Ms. Amal Al Hassani
Head, Graduate Student Affairs

Member of “Mohammed Bin Rashid Academy of scientists”

<http://wam.ae/en/details/13953026>

[52135](#)

<http://www.sc.gov.ae/home-en>



It's a platform for the science community within the UAE. It includes a selection of scientists and experts foreseeing the future of developments in the field of science and technology.

ICMDME

5th International Conference on Machine Design and Manufacturing Engineering (ICMDME2018)

January 22-23
Jakarta-Indonesia

Academic Certification of Keynote Speaker

This is to certify that

Professor Abdel Hamid Ismail Mourad

From

United Arab Emirates University (UAEU), UAE

has delivered a Keynote Speech in

ICMDME2018

January 23, 2018



Jimilbu



UAEU

جامعة الإمارات العربية المتحدة
United Arab Emirates University



جائزة الرئيس الأعلى للتميز المؤسسي

د. عبد الحميد مراد

تفقدو جامعة الإمارات العربية المتحدة بالشكر والتقدير

د. عبد الحميد مراد

تقديرا لمشاركته في جائزة الرئيس الأعلى للتميز المؤسسي في دورتها الثانية ٢٠١٧
متمنين له كل النجاح والتوفيق في مسيرة العطاء والتميز

اللجنة العليا لجائزة
الرئيس الأعلى للتميز المؤسسي



جائزة الرئيس الأعلى للتميز المؤسسي





Venus International Foundation

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ISO 9001:2008 Certified

Centre for Advanced Research and Design

The Board of Management of the Venus International Foundation
based on the VIRA 2017 Expert Committee Report and Apex Committee
Recommendations hereby makes known that

Dr. Abdel-Hamid Ismail Mourad
United Arab Emirates University, UAE

have conferred upon the award of

Lifetime Achievement
for the contribution and achievement in the field of
Mechanical Engineering



RA17ENNC2837

Given under the seal of the Foundation



R. Gauthish Kumar
Chairman

Dated - 11th November 2017 | Chennai-600088, Tamil Nadu, India.





AUS

الجامعة الأميركية في الشارقة
American University of Sharjah



UAE GSRC 2018
Graduate Students Research Conference

This certificate is awarded to

Dr. Abdel-Hamid Ismail Mourad

in recognition to your contribution as a session chair during the
UAE Graduate Students Research Conference (GSRC2018)

American University of Sharjah, United Arab Emirates | April 21, 2018

Dr. Mohamed El-Tarhuni
Conference Chair



AWARDED TO

Abdel-Hamid Mourad

PVPD CONFERENCE AWARD

CO-DEVELOPING THE PVP HEKI SHIBATA
OUTSTANDING INTERNATIONAL TECHNICAL SESSION AT THE
2017 ASME PRESSURE VESSELS & PIPING CONFERENCE

**Applications of Fracture Mechanics in
Failure Assessment - II**



Maher Y. A. Younan
Chair, 2017 PVP Conference

Trevor G. Seipp
Chair, PVPD Honors & Awards

JULY 2018

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Amina Mohammad Al Marri

Is recognized as the 2nd place winner of the

Explore Mars Competition - Science Track

2018

Dubai, UAE



Omran Sharaf

Emirates Mars Mission Project Director at Mohammed Bin Rashid Space Centre

شكر وتقدير

THANKS AND APPRECIATION

يسر مؤسسة الإمارات أن تتقدم بخالص الشكر والتقدير إلى
Emirates Foundation is delighted to award

Prof. Abdel-Hamid Ismail Mourad

وذلك تقديراً على المشاركة في معرض ومسابقة "بالعلوم بالتفكير" لعام 2016
for the effective participation and outstanding contribution to the
success of the "Think Science" Competition and Fair 2016


ميثاء الحبسي
نائب الرئيس التنفيذي

شكر وتقدير

THANKS AND APPRECIATION

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Certificate of Appreciation

Prof. Abdel-Hamid Ismail Mourad

College of Engineering at the United Arab Emirates University Expresses Sincere Appreciation
for your achievement(s) in 2018/2019


Prof. Sabah Alkass
Dean, College of Engineering







4th Student Research Colloquium on
Advances in Engineering & Information Technology

(AETT-2019)

Certificate of Participation

This is to certify that Mr./Ms.

Prof. Abdel-Hamid Ismail Mounad

has participated & presented a paper titled

Experimental Investigation of Biomass Gasification through Pyrolysis

..... in the "AETT-2019" Organized by

the School of Engineering & IT, Manipal Academy of Higher Education - MAHE, Dubai held on **24th & 25th April, 2019.**

[Signature]
Dr. S.K. Pandey

Chairperson – School of Engineering & IT
MAHE, Dubai



[Signature]
Dr. S.V. Kota Reddy

Academic President
MAHE, Dubai



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4th Student Research Colloquium on
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(AEIT-2019)

Best Paper Award

This is to certify that Mr./Ms. ABDEL HAMID ISMAIL MOURAD

has participated & presented a paper titled EXPERIMENTAL INVESTIGATION
OF SYNGAS PRODUCTION THROUGH GASIFICATION OF
BIOMASS CHAR IN A FLUIDIZED BED REACTOR.

..... in the "AEIT-2019" Organized by

the School of Engineering & IT, Manipal Academy of Higher Education - MAHE, Dubai held on **24th & 25th April, 2019.**

Dr. S.K. Pandey

Chairperson – School of Engineering & IT
MAHE, Dubai



Dr. S.V. Kota Reddy

Academic President
MAHE, Dubai



4th Student Research Colloquium on

Advances in Engineering & Information Technology

(AEIT-2019)

Certificate of Participation

This is to certify that Mr./Ms.

ABDEL - HAMID I. MOURAD

has participated & presented a paper titled

On the Energy Harvesting from Vehicle's Suspension System: Methods And Utilization in the "AEIT-2019" Organized by

the School of Engineering & IT, Manipal Academy of Higher Education - MAHE, Dubai held on **24th & 25th April, 2019.**

[Signature]
Dr. S.K. Pandey

Chairperson – School of Engineering & IT
MAHE, Dubai



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Dr. S.V. Kota Reddy

Academic President
MAHE, Dubai

4th Student Research Colloquium on

Advances in Engineering & Information Technology

(AEIT-2019)

Certificate of Participation

This is to certify that Mr./Ms. *ABDEK - HAMID I. MOURAD*

has participated & presented a paper titled *Static and Dynamics Characteristics of High-Performance Sports Car Chassis*

in the "AEIT-2019" Organized by

the School of Engineering & IT, Manipal Academy of Higher Education - MAHE, Dubai held on **24th & 25th April, 2019.**


Dr. S.K. Pandey

Chairperson – School of Engineering & IT
MAHE, Dubai




Dr. S.Y. Kota Reddy

Academic President
MAHE, Dubai



4th Student Research Colloquium on
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(AETT-2019)

Certificate of Participation

This is to certify that Mr./Ms. *Abdel-Hamid I Mawad*

has participated & presented a paper titled *Resonance Surface Analysis of Statistical*

Features of Voltage & Current in the "AETT-2019" Organized by

the School of Engineering & IT, Manipal Academy of Higher Education - MAHE, Dubai held on 24th & 25th April, 2019.

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Dr. S.K. Pandey

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MAHE, Dubai



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