

Curriculum Vitae

Name:

Prof. Dr. Emad Kamil Hussein

Place and Date of Birth:

Iraq\ Babil, 29th.June 1972

Nationality:

Iraqi

Status:

Married, 5 kids



My ORCID QR-code

Current Positions:

- Vice President of the Mariinskaya University, Moscow, Russia
- Head of Artificial Limbs Engineering Dept. Arid International University, Malaysia.
- Head of the Prosthetics and Orthotics Department, Mussaib Technical college, ATU.
- Head of the Scientific Committee at the Mussaib Technical College, ATU.
- Member of the Engineering Consultation Office at the Mussaib Technical College, ATU.

Current Academic Title:

Prof. Dr. Eng. Mechanical Engineering – Applied Mechanics.

Qualification:

- **B.Sc.** in Mechanical Engineering.
- **M.Sc.** in Mechanical Engineering\Applied Mechanics, thesis title (*Design and Evaluation of a Tactile Displacement Sensor*), 2007.
- **Ph.D.** in Mechanical Engineering\ Applied Mechanics, dissertation title (*A modified Version of the Prosthetic Foot*), 2011.
- **Professorship in Mechanical Engineering** from the Cypress International Institute University – International Center for Academic Research, Garden Valley, Texas, USA, August 2021.
- Certificate in *English language* from Baghdad University\ College of Languages.
- Certificate in *English language* from Al-Mustansiriya University\ College of Art.
- Certificate in *Computing and Computer Software* from Computer Center\ University of Technology.
- Certification in *Marketing Skills* from State Commission for Training and Apprenticeship.
- Certification in the *Workshop for Preparing and Designing Packages* Course from the Staff Development Center.
- Certification in *Qualifying Course in Teaching Methods* from the Staff Development Center.
- Certification in *Iraqi Virtual Science Library (IVSL) Course* from Foundation of Technical Education.
- Certification in the **Iraqi Science Day** from Ministry of Higher Education and Scientific Research, 2013.
- Certificate of Attendance, from the Center for Learning Innovation and Customized Knowledge Solutions (**CLICKS**) – Dubai, UAE, for attending and completing the MENA Higher Education Leadership Forum, November 2013.
- Certificate of Completion, from **Elsevier Publishing Campus**, "Data Citation: How can you as a researcher benefit from citing data", July 2017.
- Certificate of Completion, from **Elsevier Publishing Campus**, "Preparing your manuscript", 2017.
- Certificate of Completion, from **Elsevier Publishing Campus**, "The Nuts and Bolts of Peer Review", 2017.
- Certificate of Completion, from **Elsevier Publishing Campus**, "Using Proper Manuscript Language", 2017.
- Certificate of Completion, from **Elsevier Publishing Campus**, "Funding Hacks for Researchers", August, 2017.

- Certificate of Completion, from **Elsevier Publishing Campus**, "How to Become a Reviewer and What Do Editors Expect?", July 2017.
- Certificate of Completion, from **Elsevier Publishing Campus**, "Gender Bias in Academic Publishing", May, 2017.
- Certificate of Attendance in a Training Course entitled "**Online Business Skills**", Smart Web Company, April 2017.
- **Certificate of Reviewing** from College of engineering, University of Diyala, 2018.
- **Certificate of Mutual Academic Cooperation** with Department of Machine Element and Tribology, Polytechnic University of Bucharest, Romania, June 2018.
- Certificate of Reviewing from the Scientific Committee of the International Scientific Conference of Engineering Sciences (**ISCES**), Diyala University for **reviewing papers**, January 2018.
- Certificate of Participation from the Scientific Committee of the International Conference on Advances in Sustainable Engineering and Applications (**ICASEA-2018**), Wasit University for **presenting a paper**, March 2018.
- Thanks and Appreciation Letter from the scientific committee of the International Conference on Advanced Sciences and Engineering, for **reviewing papers**, University of Zakho and Duhok Polytechnic University, October 2018.
- Certificate of Appreciation from the **Majan International Conference** for being a program committee member, March 2018.
- Certificate of **Mutual Academic Cooperation from the University of Politehnica of Bucharest** – Department of Machines Elements and Tribology, Bucharest, Romania, for significant supervision of doctoral students in the field of human skin friction, June 2018.
- Certificate of Recognition from the **rector of the INES-Ruhengeri Fr. Dr. Fabian Hagenimana**, for my **outstanding services as an honored speaker** at the First International Conference on NCDs, Ruhengeri, Rwanda, August 2018.
- Certificate of Appreciation from the **President of Al Furat Al Awsat Technical University** for publishing a paper in a journal under Scopus database, August 2018.
- Certificate of Completion, from **Researcher Academy - Elsevier**, for completing the module entitled "Publishing Open Access", October 2018.
- Certificate of Completion, from **Researcher Academy - Elsevier**, for completing the module entitled "Structuring Your Article Correctly", October 2018.
- Certificate of Appreciation from the **President of Wasit University** for presenting a public lecture about Redefining the Kilogram, December 2018.
- Certificate of Appreciation from the Dean of College of Engineering, Wasit University for presenting a public lecture about **Redefining the Kilogram**, December 2018.
- Certificate of Appreciation from the **President of Wasit University** for presenting a public workshop about **International Universities Ranking**, March 2019.
- Certificate of Appreciation from the Dean of College of Engineering, Wasit University for presenting a public workshop about **International Universities Ranking**, March 2019.
- Certificate of Participation, from the Scientific Committee of the Seventh. International Conference on Academic Performance and Quality Assurance, **University of Kufa**, March 2019.
- Certificates of Appreciation (more than 30) from dean of Al-Mussaib Technical College for my distinguished academic efforts along time span of my employment at the TCM.
- Certificate of Participation, from the **LYRISIS Professional Services**, for attending and completing a class on "Outreach Strategies for Promoting ORCID to Researchers", April 2019.
- Certificate of Membership, that certify me as a member of a **working committee to establish an online university** for global education, April 2019.
- Certificate of Membership, from the **International Mari-inskaya Academy**, for nominating me as an academician secretary of the department of engineering, April 2019.
- Certificate of Completion, from **Researcher Academy - Elsevier**, for completing the module entitled "How to Produce Highly Visible Research: Useful Tips for Researchers", November 2019.
- Certificate of Completion, from **Researcher Academy - Elsevier**, for completing the module entitled "How to Turn Your Thesis into an Article?", November 2019.

- Certificate of Attendance, from **Bright Talk - UK**, for attending the module entitled "Best Practices and Key Considerations for Ensuring ROBO and Edge IT Success", December 2019.
- Certificate of Participation, from the **Central Organization for Standardization and Quality Control**, for participating in a workshop entitled "How to Examine and Register a Patent and the PCT International Agreement", January 2020.
- Certificate of Appreciation from the **President of University of Warith Al Anbiyaa** for preparing and presenting a workshop entitled "How to Publish a Trusted Paper in an Indexed Journals", February 2020.
- Certificate of Appreciation from the **World Health Organization WHO, Health Emergencies Program** for participation in an online course entitled "COVID-19: Operational Planning Guidelines and COVID-19 Partners Platform to Support Country Preparedness and Response", March 2020.
- Certificate of Appreciation from the **President of Al Furat Al Awsat Technical University** for publishing a paper in a journal under Scopus database, April 2020.
- Certificate of Completion, from **Gulf Innovation Academy**, Kuwait for completing the online course entitled "Financial Plan and Corona Crises ", April 2020.
- Certificate of Completion, from **The Mohammed Bin Rashid University of Medicine and Health Sciences**, for completing the online course entitled "Let's Break the Chain of COVID-19 Infection", April 2020.
- Certificate of Attendance from **the Merck Organization**, for attending an online webinar meeting entitled "Pharmacists, Front-line Fighters Though and Beyond COVID-19 Battle", April 2020.
- Certificate of Reviewing, confirmation of contributions as an external scientific reviewer at the publishing house **Trans Tech Publications Ltd. Switzerland** in the journal entitled "Materials Sciences Forum", May 2020.
- Certificate of Appreciation from the **Minister of Higher Education and Scientific Research** for presenting distinguished academic activities, May 2020.
- Certificate of Participation, from **Al Mussaib Technical College**, for participating and completing a virtual training course entitled "Engineering Mathematical Modelling for COVID-19", May 2020.
- Certificate of Attendance, this is to certify that Asst. Prof. Dr. Emad K. Hussein has attending an online webinar discussing entitled Medication Management in Ramadan, organized by **Acino, Switzerland** on the 12th. May 2020.
- Certificate of Participating, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in a virtual training course entitled "Moodle System Management", at **Al Mussaib Technical College TCM**, 12th. May 2020
- Certificate of Participating, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully passed the online Google Forms Quiz entitled "Introduction to COVID-19 Disease", at **Al Mustaqbal University College**, Babil, Iraq, April 2020.
- Certificate of Participating, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in a virtual training workshop entitled "Management of EndNote X9 software", at **Al Mussaib Technical College TCM**, 19th. May 2020.
- Certificate of Participating, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online scientific lecture entitled "HPLC Technology", organized by **University of Samarra**, 22nd. May 2020.
- Certificate of Participating, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "Using Zoom platform in E-learning", at **Al Mussaib Technical College TCM**, 22nd. May 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated and completed **Home Camp Limitless Algeria** 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "Thermal Modelling of Hydraulic System by Using an Expert Program", at **Al Mussaib Technical College TCM**, 11st. June 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "Composite Materials Technology", at **Al Mussaib Technical College TCM**, 7th. June 2020.

- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "Design and Optimization of a Hybrid Regenerative energy system for Lower Extremity Assistive Exoskeleton", at **Al Mussaib Technical College TCM**, 8th. June 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "Basic Concepts of Membrane Technology", at **Al Mussaib Technical College TCM**, 23rd. May 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "Heat Transfer Enhancement in Shell and Tube Heat Exchangers", at **Al Mussaib Technical College TCM**, 9th. June 2020.
- Certificate of Completion, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully attended in an online webinar entitled "Navigating the Maze in CVD Prevention", organized by the **Royal College of Physicians, Canada**, 14th. May 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "Hydraulic Pumps", at **Al Mussaib Technical College TCM**, 4th. June 2020
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "How to Prepare your Paper for Publishing in a Refereed Journal? ", at **Al Mussaib Technical College TCM**, 6th. June 2020
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in a two hours training session entitled "Sharing Best Practices and Implementation of Online Exams", organized by the **SPARK platform in cooperation with the Ministry of Foreign Affairs of the Netherlands**, 9th. June 2020
- Certificate of Attendance, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully attended an online training workshop entitled "Libraries after COVID-19 Pandemic in the MENA Region!", organized by the **EBSCO information services**, 15th. June 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training engineering course entitled "Renewable Energies ", at **Al Mussaib Technical College TCM**, 21st. – 25th. June 2020
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online opening ceremony presented by the **Swedish Iraqi Scientific Network**, 22nd. August 2020.
- Certificate of Completion, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully attended and completed an online training course entitled " Classification and Management of Journals Level-1 (CMSJ-1)", organized by the **Al Muslim Islamic Institute of Aceh-Indonesia, Swedish Iraqi Studies Network in Cooperation with Rike Gate**, 23-Aug. to 04-Sep. 2020.
- Certificate of Attendance, the First Academic Forum, this is to certify that Emad K. Hussein has successfully **live webinars sessions, University of Leeds**, UK, August 2020.
- Certificate of Appreciation from the **President of the Swedish – Iraqi Studies Network, Lund University, Sweden** for Attending Opening Ceremony of the International Forum of Biomedical Engineering, 15th. September 2020.
- Certificate of Attendance, this is to certify that Asst. Prof. Dr. Emad K. Hussein has attending the online lecture entitled "CCII Current Conveyor Filters for Biomedical Devices " Organized by the **Swedish – Iraqi Studies Network at Lund University – Sweden in cooperation with the International Forum for Biomedical Engineering**, on the 17th. September 2020.
- Certificate of Attendance, this is to certify that Asst. Prof. Dr. Emad K. Hussein has attending the online lecture entitled "Scientific Research Grants in Malaysia" Organized by the **Swedish – Iraqi Studies Network at Lund University – Sweden**, on the 20th. September 2020.
- Certificate of Attendance, this is to certify that Asst. Prof. Dr. Emad K. Hussein has attending the online lecture entitled "Nano-Technology Techniques and Biomedical Engineering" Organized by the **Swedish – Iraqi Studies Network at Lund University – Sweden** in cooperation with the International Forum for Biomedical Engineering, on the 1st. October 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "**Cancer Tumors and Spreading**

Causes under Diffusion of Electromagnetic Waves ", organized by the Knowledge Enrichment Academy in cooperation with the Swedish-Iraqi Studies Center, December 2020.

- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an **ORCID Arabic Community Outreach Webinar**, organized by ORCID Inc. October 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in a **Quality and Academic Performance Improvement Webinar**, organized by the University of Samarra, October 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "**Cold Plasma Application in Medicine** ", organized by the Knowledge Enrichment Academy in cooperation with the Swedish-Iraqi Studies Center, October 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "**Benefits from the United Kingdom Universities Experience in the Iraqi E-Learning System**", organized by the Knowledge Enrichment Academy in cooperation with the Swedish-Iraqi Studies Center, October 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "**How to our Food to be Poisonous Killer to us?**", organized by the Knowledge Enrichment Academy in cooperation with the Swedish-Iraqi Studies Center, October 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "**Viscoelastic Mechanical Modelling of human Skin**", organized by the Knowledge Enrichment Academy in cooperation with the Swedish-Iraqi Studies Center, November 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "**How to Consider our Food as a Curing Medication for our Bodies?**", organized by the Knowledge Enrichment Academy in cooperation with the Swedish-Iraqi Studies Center, November 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "**Mathematical Modelling of COVID-19 Pandemic**", organized by the Knowledge Enrichment Academy in cooperation with the Swedish-Iraqi Studies Center, November 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "**Biological Medical Researches Ethics**", organized by the Knowledge Enrichment Academy in cooperation with the Swedish-Iraqi Studies Center, November 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "**Deep Learning as a Tool for Improvement of Medical Sensors**", organized by the Knowledge Enrichment Academy in cooperation with the Swedish-Iraqi Studies Center, November 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "**What are the Medical Materials and their Applications?**", organized by the Knowledge Enrichment Academy in cooperation with the Swedish-Iraqi Studies Center, November 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "**E-Learning System, and How to Interact with Learning Platforms**", at the Continuing Learning Center, University of Anbar, 3rd. December 2020.
- Certificate of Participation, this is to certify that Asst. Prof. Dr. Emad Kamil Hussein has successfully participated in an online training workshop entitled "**Writing, Publishing, and Editing Requirements in Scientific Journals**", organized by the Knowledge Enrichment Academy in cooperation with the Swedish-Iraqi Studies Center, December 2020.
- Certificate of Association. This is to certify that Asst. Prof. Dr. Emad K. Hussein as an **editorial board member of the International Journal of Social and Scientific Research (IJSSR)**, 2021.

- **Professorship in Mechanical Engineering Certificate** from the Cypress International Institute University – International Center for Academic Research, Garden Valley, Texas, USA, August 2021.
- Certificate of Appreciation. This is to certify that Asst. Prof. Dr. Emad K. Hussein has a significant participation as a **keynote speaker** in the workshop entitled "How to Construct Master Thesis Flow Chart by Using Handmade Poster Presentation", 2nd. November 2021.
- Certificate of Recognition. This is to certify that Asst. Prof. Dr. Emad K. Hussein has contributed actively as a **scientific reviewer in the peer review process at the 8th. Engineering and 2nd. International Conference** for College of Engineering – University of Baghdad, 24 November 2021.
- Certificate of Membership. This is to certify that Prof. Dr. Emad K. Hussein has been appointed as one of the **members the Scope Database – International Advisory Board**, 29 December 2021.

Specialty:

Automation, Robotics, Material Properties, Viscoelasticity, Human Skin Friction, Workshop Engineering, Machine Design and Maintenance, Welding Processes, Heat Treatment of Metals, Prosthetic Foot Design, and Mechatronic Systems.

Languages and Communication Skills:

- Languages: Arabic (fluent), English (good).
- Good ability to teach in both Arabic and English languages.
- High skills in Computing and Internet Communications.

Academic and Research Experiences:

- 25 years of undergraduate and postgraduate academic teaching at the University of Technology and Al-Nahrain University\ College of Engineering, Technical College\ Dept. of Mechanical Eng.
- 20 years of workshop engineering experience specially in the field of machining and AutoCAD designing.
- Currently supervisor of 3 postgraduate students (3 M.Sc. and 2 Ph.D.).
- Currently supervisor of 4 undergraduate students.
- A participant in more than 30 scientific conferences and symposium as like *The Third International Conference for E-Learning\ Bahrain\ 6-9April2010*, *The Second International Conference for Engineering and Agricultural Sciences CEAS-2015* and *The MENA Higher Education Leadership Forum (CLICKS) held at the Dusit Thani Dubai, UAE from 12th to 13th of November, 2013* and *The 13th. International Conference on Tribology ROTRIB'16, hold in Galati, Romania, 22-24 September, 2016*, the *1st. International Conference on Non-Communicable Diseases, Addressing the Challenges of NCDs Reaching SDGs, 28th. – 29th. August 2018, Republic of Rwanda*, and the *Seventh. International Conference on Academic Performance and Quality Assurance, University of Kufa, March 2019*.
- Head and member of many university scientific committees.
- Member of Iraqi Engineering Association.
- Full Member of International Society for Prosthetics & Orthotics **ISPO**, Belgium.
- Member of the executive board and Full Member of United Arab Society for Prosthetics & Orthotics **AUSPO**, Amman, Jordan.
- Member of the Iraqi Engineers Union.
- Member of the **IEEE** (in progress).
- Member of an International Research Team with different researchers from different countries and universities, "**Implementation of Research Based Learning in Universities**", 2017.
- Member of the **Swedish Iraqi Scientific Network, SISNET 2020**.
- Member of the **International Forum for Biomedical Engineering, IFBE-2020**.

Consultation:

- Many consultations were given to the Ministry of Municipalities in the related fields of specialty.
- Many consultations were given to the Iraqi industrial sector in the related fields of specialty.
- Many studies related to the field of machining and Industrial Engineering were prepared.

Previous positions:

- Dean of Al-Mussaib Technical College TCM at the Al-Furat Al-Awsat Technical University, ATU.
- Deputy-dean for Scientific Affairs and Post-Graduate Studies at the Al-Furat Al-Awsat Technical University, ATU, Al-Mussaib Technical College TCM.
- Head of Pumps Engineering Dept. at the Al-Furat Al-Awsat Technical University, ATU, Al-Mussaib Technical College TCM.
- Engineer in charge of Welding process workshop, and Quality Control Dept. at the SCMI.
- Head of Quality Control Dept. at the SCMI.
- The postgraduate tutor at the Al-Mussaib Technical College\ Dept. of Mechanical Power Eng.

Current and previous lecturer of the following subjects:

- Theory of Machines and Vibrations.
- Manufacturing Processes and Workshop Practice.
- Machine design and Maintenance.
- Mechanical strength and material properties.
- Engineering Measurements, and Quality Control.
- Mechatronic.
- Engineering and Numerical Analysis.
- Technical English Language.

Publications:

- **"Evaluation of A Tactile Displacement Sensor"** by Emad K., 1st. International conference on E-management, Tripoli, June, 2010.
- **"Calculation of a Dorsiflexion Angle of a Prosthetic Foot by Using Developed Sensor"**, by Emad K. 1st. Engineering Scientific Conference. University of Diyala, December, 2010.
- **"Prosthetic Foot Design"**, by Emad K., 1st. Symposium on Prosthetics and Orthotics, Al-Nahrain University, Feb. 2010.
- **"Comparison of Vibrations, Tillage Depth, and Soil Properties for Moldboard and Disk Plows at Three Tillage Speeds"** by Emad K., 2011, Asian Journal of Agricultural Research, 5(1), pp. 90-97, ISSN 1819-1894, DOI: 10.3923, Malaysia.
- **"Calculation of a Three Dimensional Coordinates of a Manipulator End Effector in a Compound Frames"**, by Emad Kamil Hussein, Diyala Journal of Engineering Science, 2012.
- **"Numerical Simulation of Brown Coal Combustion in a 550 MW Tangentially Fired Furnace under Different Operating Conditions"**, by Audi H., Jamal N., and **Emad Kamil Hussein**, Fuel Journal, Fuel 05/2013; 107:688–698. DOI: 10.1016/j.fuel.2012.11.054.
- **"Effect of Accumulated Dust on Journal Bearing Performance"**, by **Emad Kamil Hussein**, and Qusai A. Subhi, Al-Taqni Journal, 2013.
- **"Influences of Friction Conditions on Sheet Hydroforming Used in Automobile Industries"** by **Emad Kamil Hussein**, Abdulla D., and Audai H. Al-Taqni Journal, ISSN 1818653X, Vol. 28, Issue 1, pages E1-E13, 2015.
- **"Design & Sizing of Stand-alone Solar Power Systems a Residence in Iraq"** by Ali N. and **Emad Kamil Hussein**, pp 130-140, at the CEAS-2015.
- **"Ex-Vivo Tribological Behavior of Cow Skin"**, by **Emad K. Hussein et al**, American Scientific Research Journal for Engineering, Technology, and Sciences, 2017.
- **"Theoretical and Conceptual Framework: Mandatory Ingredient of a Quality Research"**, by **Emad Kamil Hussein et al.**, International Journal of a Scientific research, Vol. 7, issue 1, 2018.
- **" Ex-Vivo Cow Skin Viscoelastic Effect for Tribological Aspects in Endoprosthesis"**, by **Emad Kamil Hussein et al.**, IOP Conference Series: Material Science and Engineering, 2018, United Kingdom.
- **"The adhesion and hysteresis effect in friction skin with artificial materials"**, by Emad Kamil Hussein et al., IOP Conference Series: Material Science and Engineering, 2017, United Kingdom.
- **"Investigation of friction condition between human skins at lower limb stump with different textiles"**, by **Emad Kamil Hussein et al.**, International Conference on Advance of Sustainable Engineering and its Application (ICASEA) under IEEE covering, 14 – 15 March 2018.

- **"Journal Impact Factor and Researcher h-index: How to improve research quality?"**, by Emad Kamil Hussein, ICCA-TICET, Republic of Sudan, 2017.
- **"Surface Profile Determination by Using Developed Profilometer"**, by Samaa, M. Salih, Emad K. Hussein, and Kadhum A. Abed, Journal of Engineering and Applied Sciences, Vol. 14, No. 19, January 2019.
- **"Studying Effect of a Trusted Academic Platforms on the National and International Iraqi Universities Ranking"**, by Emad K. Hussein, the Seventh. International Conference on Academic Performance and Quality Assurance, University of Kufa, March 2019.
- **"Investigation of Adding Silicon on Fatigue Properties of Aluminum Based Alloys"**, by Emad Kamil Hussein et al, Silicon Journal, <https://doi.org/10.1007/s12633-020-00500-7>, Springer Nature B. V. 2020, June 2020.
- **"Experimental Prediction of Creep Area and Static Friction Between Brass Material and Cow Skin"**, by Emad Kamil Hussein Agricultural Engineering, ISSN 1392-1134/ eISSN 2345-0371, Research Papers, Vol. 49, 1-7 p., 2017.
- **"Physical Properties of Halloysite Nanotubes-Polyvinyl Alcohol Nanocomposites Using Malonic Acid Cross-linked"**, by Emad Kamil Hussein et al, Journal Kejuruteraan 29(2),71-77, 2017.
- **"Twist Static Friction and Creep between UHMWPE and Bovine Skin for Human Exoprosthesis"**, by Emad Kamil Hussein et al, IOP Conference Series: Material Science and Engineering, 2018, United Kingdom, <https://iopscience.iop.org/article/10.1088/1757-899X/514/1/012016>
- **"Tribological Investigation of Human Skin Friction with Polytetrafluoroethylene PTFE under Different Boundary Conditions"**, by Emad Kamil Hussein et al, the 9th. International Conference on Advanced Concepts in Mechanical Engineering ACME, IOP Conf. Series: Materials Science and Engineering 997 (2020) 012018, <https://doi.org/10.1088/1757-899X/997/1/012018>
- **"Mechanical and morphology properties of titanium oxide-epoxy nanocomposites"**, by Emad Kamil Hussein et al, International Journal of Low-Carbon Technologies, ctaa058, <https://doi.org/10.1093/ijlct/ctaa058>, Published 24 August 2021.
- **"WEB Predictor COVIDz: Deep Learning for COVID-19 Disease Detection from chest X-rays"**, by Emad Kamil Hussein et al, **International Conference on Decision Aid Sciences and Application (DASA-2020) - 02 Medical Decision Making**, IEEE, Kingdom of Bahrain, January 2021, <https://ieeexplore.ieee.org/document/9317291>, DOI: [10.1109/DASA51403.2020.9317291](https://doi.org/10.1109/DASA51403.2020.9317291)
- **"Potential assay of two green algae Ulva Lactuca and Ulva Intestinalis as bio fertilizers"** by Emad Kamil Hussein et al, Sustainability, Agri, Food and Environmental Research Journal, (ISSN: 0719-3726), X(X), 2020: <http://dx.doi.org/10.7770/safer-V0N0-art2259>, Rome, Italy, November 2021.
- **"Impact of Covid-19 On Academic Community Sustainability"**, by Emad Kamil Hussein et al., 15th annual International Technology, Education and Development Conference 8-9 March, 2021, https://iated.org/concrete3/view_abstract.php?paper_id=85975 , Valencia, Spain
- Hussein, E. K., Gaaz, T. S., Subhi, K. A., Ghouali, S., & Guellil, M. S. (2021). **"Engineering Mathematical Modelling of Corona Virus (Covid-19) Transmission in Iraq"**, International Journal of Students' Research in Technology & Management, 9(3), pp. 01-14 <https://doi.org/10.18510/ijstrtm.2021.931>
- **"Effect of Stick - Slip Phenomena between Human Skin and UHMW Polyethylene"**, by Emad K. Hussein et al, Pertanika Journal of Science & Technology, Vol. 29(3) 2021 DOI: <https://doi.org/10.47836/pjst.29.3.06>
- **"Numerical investigation of Ultrasonic Vibration on the Application of SAC305 Alloy by Using FEM Approach"** by Emad K. Hussein, Advances in Mechanical Engineering (AIME), 2021.
- **"5G Network Performance by Cell-Edge Servers Optimization Assignment (5GNP-CESOA)"**, by Emad K. Hussein et al, Procedia Computer Science, Vol. 193, 2021, pp 140-148, <https://doi.org/10.1016/j.procs.2021.10.067>
- Emad K. Hussein et al, **"Computational analysis of the vibration response of the composite sandwich structure by using PDS approach"**, International of Mechanical Engineering, Vol.6 No. 3, 2021, <https://kalaharijournals.com/ijme-v6-3-2021.php>
- Emad K. Hussein et al, (2022) **"Implementation of the numerical analysis of dynamic loads on the composite structure employing the finite element method"**, Eastern European Journal of Enterprise Technologies, 1 (7(115)), 42-47. doi: <https://doi.org/10.15587/1729-4061.2022.253545>

- *"Investigation of the Mechanical Performance of the Composite Prosthetic Keel Based on the Static Load: A Computational Analysis"*, by Emad Kamil Hussein et al., Eastern-European Journal of Enterprise Technologies, 2022, 3(7-117), pp. 22–30
- *"Properties of Sugar Palm Fibre-Thermoplastic Bio composites: An Overview"*, by Emad K. Hussein et al., Composite Sciences and Technology International Conference 2022 (COMSAT2022)

Book Chapters Publications:

- *"COVIDz: Deep Learning for Coronavirus Disease Detection"*, by Emad K. Hussein et al. Book Chapter, Computational Intelligence Techniques for Combating COVID-19, Springer, 2021 <https://www.springerprofessional.de/en/covidz-deep-learning-for-coronavirus-disease-detection/19127616>
- *"Perspective Chapter, Viscoelastic Mechanical Equivalent Models"*, by Emad K. Hussein et al., Book Chapter, Biomimetics-Bridging the Gap, IntechOpen, October 2022, DOI: <http://dx.doi.org/10.5772/intechopen.108065>

Cultural Publications:

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I strongly recommend that: NO PAIN... NO GAIN...

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