

1. Mahmoud, Moustafa M. Moustafa

2. Education:

- B.S. 1988 Mechanical Engineering (Production Engineering and Design), Minia University, Minia, Egypt
M.Sc. 1993 Mechanical Engineering (Production Engineering and Design), Minia University, Minia, Egypt
Ph.D. 2002 Institute fuer Lehr u. Forschungsgebiet Werkstoffkunde, Univ. of RWTH-Aachen, Aachen, Germany

3. Academic Experience:

- April 2017-till now Professor. Faculty of Engineering, Minia University
Sep. 2012- Aug. 2017 Assoc. Prof., College of Engineering, Taibah University
2008-June 2012 Assoc. Prof., College of Engineering, Taif University
2008- 2017 Assoc. Prof., Faculty of Engineering, Minia University
2002 –2008 Assistant Professor, Faculty of Engineering, Minia University
1995-2002 Research Assistant, RWTH-Aachen, LFW-Institute Aachen/Germany
1993 – 1995 Assistant Lecturer, Faculty of Engineering, Minia University
1988 – 1993 Demonstrator, Faculty of Engineering, Minia University

4. Non-Academic Experience

- ✓ Reserve officer, Egyptian armed Forces, Egypt (1988-1990)
- ✓ Consulting for Upper Egyptian Flour Mills, Minia, Egypt, (2003-2004)

5. Certifications or professional registrations:

Egypt- Germany- KSA- Malaysia

6. Current membership in professional organizations

- ✓ Membership of Engineering Syndicate.
- ✓ Membership of Egyptian Tribology Society.

7. Honors and Awards

- ✓ Distinction Prize in Engineering Research, Taif University, KSA, 2010.
- ✓ The 1st Position at the level of the College and Department through system performance assessment of the academic staff members, Taif University, KSA (2008)
- ✓ The Best Research Work in Engineering Sciences, Sama Sinai Foundation for Development, EGYPT, (2007).
- ✓ The Minia University Prize (EL-Tashgieyah) in Engineering Sciences, EGYPT, (2007).

8. Career Progression

- ✓ Dean of the Faculty of Engineering, Minia University from 4/12/2021 until the present.

- ✓ Vice Dean for Education and Student Affairs, Faculty of Engineering, Minia University from 6/9/2018 to 4/12/2021.
- ✓ Acting Vice Dean for Community Service and Environmental Development, Faculty of Engineering, Minia University from 25/10/2018 to 4/12/2021.
- ✓ Head of the Department of Production and Design, Faculty of Engineering, Minia University from 12/10/2017 to. 6/9/2018.
- ✓ Professor in the Department of Production and Design, Faculty of Engineering, Minia University from 26/9/2017.
- ✓ Associate Professor in the Department of Production and Design, Faculty of Engineering, Minia University from 30/3/2008 to 26/9/2017.
- ✓ Seconded to Taibah University - College of Engineering, Kingdom of Saudi Arabia from 25/8/2012 to 31/8/2017.
- ✓ Seconded to Taif University - College of Engineering, Kingdom of Saudi Arabia from 25/8/2007 to 24/8/2012.
- ✓ Assistant Professor in the Department of Production and Design, Faculty of Engineering, Minia University - 31/8/2002.
- ✓ Ph.D. student at LFW Institute of Materials Science, RWTH Aachen University, Aachen, Germany from 1995 to 2002.
- ✓ Lecturer in the Department of Production and Design, Faculty of Engineering, Minia University - 12/7/1993
- ✓ Demonstrator in the Department of Production and Design, Faculty of Engineering, Minia University - 30/10/1988.

9. Service activities (inside and outside of the institution)

9.1. Activities of the deanship from 4/12/2021 until present:

- Renovation and renewal of the On-site of the Faculty of Engineering, 5.5 million EGP., funded by Minia University - in progress since November 2022 until present.
- Renovation and maintenance of 40 bathrooms in the Faculty of Engineering, 6 million EGP, funded by Minia University - completed and delivered in December 2022.
- Organization of the Minia International Conference on Environment and Engineering (MICEE 2022) in Hurghada, Red Sea from 14-17 July 2022.
- Implementation of the new postgraduate bylaws (credit hours system), starting from February 2023.
- Supervisor of the Presidential Initiative Support Committee "Decent Life and Industrialization of Egypt" at the Faculty and the University since the academic year 2018/2019 until present.
- Membership in the Board of the Industrial Zone in Minia Governorate from 4 December 2021 until present.
- Chairman of the Board of the Engineering Consultations Center at the Faculty from 4/12/2021 until present.
- Chairman of the Production Center Board at the Faculty from 4/12/2021 until present.
- Chairman of the Sub-Committee for New Programs at the Faculty from 4/12/2021 until present.
- Membership in the Engineering and Technology Studies Committee (Engineering Sector) of the Supreme Council of Universities from 4 December 2021 until present.

- Chairman of the Evaluation Committee for the New Minia Higher Institute of Engineering and Technology and the Toud Institute of Engineering, affiliated with the Engineering Sector, in the year 2022.
- Chairman of the Evaluation Committee for the Faculty of Engineering at Sphinx University in New Assuit, affiliated with the Engineering Sector, in the year 2022.
- Chairman of the Minia International Conference on Environment and Engineering (MICEE 2022) in Hurgada, Red Sea from 14-17 July 2022.
- Membership in the Preparatory Committee of the Minia University Council from 4/12/2021 until present.
- Membership in the Minia University Council from 4/12/2021 until present.
- Membership in the Printing and Publishing Center at Minia University from 4/12/2021 until present.
- Membership in the Vehicles and Cars Center at Minia University from 4/12/2021 until present.
- Supervisor of the Technical Committee for the Management of the Authorization and Licensing System in Minia Governorate from 4/12/2021 until present.
- Organization of a workshop for the Entrepreneurship Program - "Know Your Capabilities" for final-year students at the faculty in collaboration with the Small and Medium Enterprise Development Agency, affiliated with the Cabinet of Ministers - 5/3/2023.
- Signing a partnership protocol with Egypt Cement Company - Portland - Bani Mazar Plant, as an extension of the university protocol on 3/11/2021.
- Signing a protocol with the Drinking Water and Sanitation Company - Minia - April 2022.
- Membership in the General Assembly of the Drinking Water and Sanitation Company - Minia from 4/12/2021.
- Membership in the STEM Project for the Five Participating Universities from 4/12/2021.
- Membership in the Board of the Higher Institute of Engineering and Technology in New Minia from January 2023.

9.2. Pre- deanship Activities until 3/12/2021:

- Head of the Production and Mechanical Design Department from 12/10/2017 to 5/9/2018.
- Head of the Control of the Second Year at the College for the academic year 2017/2018.
- Vice Dean for Education and Student Affairs at the Faculty of Engineering - Minya University from 6/9/2018 to date.
- Acting Vice Dean for Community Service and Environmental Development at the College from 25/10/2018 to date.
- Chairman of the Committee for Education and Student Affairs from 6/9/2018 to date.
- Chairman of the Committee for Community Service and Environmental Development from 25/10/2018 to date.
- Membership in the Central Committee for Education and Student Affairs at Minya University from 6/9/2018 to date.
- Membership in the Central Committee for Community Service and Environmental Development from 25/10/2018 to date.
- Head of the Control of the Fourth Year and Cumulative GPA from the academic year 2018/2019 to date.
- Membership in the Committee for Applying for the Egypt Government Excellence Award at the Faculty of Engineering from 2019-2020.
- Membership in the Engineering Consultations Center at the College from 25/10/2018 to 3/12/2021.

- Membership in the Production Center at the College from 25/10/2018 to 3/12/2021.
- Membership in the Sub-Committee for New Programs at the College from 6/9/2018 to 3/12/2021.
- Membership in the Committee for Preparing the New Postgraduate Regulations based on the credit hours system for the academic year 2017/2018.
- Membership in the Committee for Applying to the Best Environment-Friendly University for the academic year 2020/2021 (Criterion 3: Infrastructure).
- Membership in the Committee for Supporting the Presidential Initiative for Decent Life and Egyptian Industries at the College and University from the academic year 2018/2019 to date.
- Membership in the Permanent Scientific Committee for the Promotion of Professors and Assistant Professors in Manufacturing and Mechanical Design Engineering, Textile Engineering, and Marine Engineering (Committee 52, Cycle 12, and Committee 116, Cycle 13) until date.
- Membership in the Permanent Committee for the Promotion of Professors and Assistant Professors at the Military Technical College - Egyptian Ministry of Defense.
- Membership in the Permanent Committee for the Promotion of Professors and Assistant Professors in Metrology Sciences - National Institute for Standards.

9.3. Taibah University in Saudi Arabia (2012-2017)

- Vice President of the Department of Mechanical Engineering Council - College of Engineering - Taibah University in Al-Madinah Al-Munawwarah from 2013 to 31/8/2017.
- Founding Member of the Engineering Workshops - College of Engineering - Taibah University from 2013 to 2016.
- Membership in the Quality Committee at the Department of Mechanical Engineering - College of Engineering - Taibah University from 2013 to 2016.
- Preparation of the study plan and course descriptions for the Manufacturing and Mechanical Design Engineering track - Department of Mechanical Engineering - College of Engineering - Taibah University from 2013 to 2016.

9.4. Taif University in Saudi Arabia (2008-2012)

- Executive Secretary, Mechanical Engineering Department, College of engineering, Taif University, Shawwl 1432 A.H., 2011- Present.
- Member of Mechanical Engineering Programs committee
- Member of Development and Academic Research Unit, College of Engineering, Taif University, Jumada' II, 1431A. H., 2010-Present.
- Member of Department Unit for Quality and Academic Accreditation, Mechanical Engineering Dept., Faculty of Engineering, Taif University, Shawwl 1431A.H.- Present.
- Member of the 1st Workshop about Visions and research Priorities in Taif University as Engineering faculty coordinator, Jumada' II 1431 A.H, 2010.
- Member of Materials and Corrosion Group, Chemical Department, Faculty of Science since 1430 A.H, 2009- till now.
- Participation in the “Complementary Program in Training of Trainers”, Taif University, 1-5/4/1430 A.H.
- Establishment of the Mechanics of Materials Lab, Faculty of Engineering, Taif University, KSA, (2007-2010).

- Establishment of the Engineering Workshops, Faculty of Engineering, Taif University, KSA, (2007-2010).
- Participate in the establishment of the Mechanical Engineering Department, Faculty of Engineering, Taif University, KSA, (2007-2010).
- Secretary of the Faculty Council, Faculty of Engineering, Taif University, (10th 2007-10th 2008).

9.5. RWTH- Aachen University in Germany (1997-2006)

- Working in the Collaborative Research Center 561, Thermal high loaded open pores and cooled multi-layer-system for combi-power stations" support finically with the Deutsche Forschungsgemeinschaft (DFG).
- Working in the Research Project El 65/19-2, Behavior of metallic composites in tension and compression zone under cyclic loading", support finically with the Deutsche Forschungsgemeinschaft (DFG).
- Working in the Collaborative Research Center 370, Integrated Modeling of Materials" support financially within the Deutsche Forschungsgemeinschaft (DFG).
- Carrying out experiments (Initiation of Cracks) and some FEM-Domains (preset of breaking point for Gas-cylinders) for RheinMetall-company and Stabiluss- company in Germany respectively.
- Working in LFW-Institute (Mechanical behavior of metals (Al- alloys, metallic composites, perforated sheets) and considering operation conditions, Tension, compression, Fatigue, creep.
- Working in the Research Project, "Modeling of Transient Thermal Contact Resistance out of Conjugate Gradient Method" support finically with the Deutsche Forschungsgemeinschaft (DFG).

10. Journals and Conferences

1. El-Magd, Mahmoud M. and Vervoort S. "Finite Element Simulation of Fiber Behavior of Metallic Composites under LCF-Loading", Z. Metallkd. 92, 2001, 2, German.
2. Mahmoud M., Ali W. Y., Mousa M. O. "Tribological Behavior of Thermoplastic Coatings Reinforced by Nylon and Leno Textile Laminate" Bulletin of the faculty of Eng.- Minia Univ., Vol 20 No. 1, pp9-30, July 2001.
3. Mahmoud M., Ali W. Y., Mousa M.O. "Wear and Friction of Polymeric Coatings Reinforced by Satin, Polyethylene and Copper Gauze" Bulletin of the faculty of Eng.-Minia Univ., Vol 20 No. 1, pp 11-18, July 2001.
4. Ismail, Y. M., Kashaba, M. I., Mahmoud, M.M. and Ali, W. Y., "Friction and Wear of Epoxy Filled by Oil and Reinforced by Woven Polyethylene Sheets", 3rd Assuit Univ. Int. Conf. Mech. Eng. Adv. Tech. Ind. Prod, PP 313-321, Dec. 2002.
5. Ismail, Y. M., Kashaba, M. I., Mahmoud, M.M. and Ali, W. Y., "Sliding Properties of Epoxy Filled by Oil, Woven Sheets of Polyester and Glass Fibre", 3rd Assuit Univ. Int. Conf. Mech. Eng. Adv. Tech. Ind. Prod, PP 313-321, Assuit-Egypt, Dec. 2002.
6. Mahmoud, M. M., "An Aspect to Evaluate the Elastic Deformation of Porous Journal Bearings", 6th Int. Conf. Of Egyptian Soc. Of Tribology, pp 357-363, Cairo-Egypt, Dec. 2002.
7. Mahmoud M. M., Khashaba, M. I. And Ali, W. Y.," Mechanical Properties of Recycled Polymers" 7th conf. On Theoretical & applied Mechanics, pp 275-284, Cairo-Egypt, March 2003.
8. Youssef, M. M, Mahmoud M. M. and Ali, W. Y.," Detection of Engine Wear by Examining Oil

- Filter", 7th conf. On Theoretical & applied Mechanics, pp 264-274, Cairo-Egypt, March 2003.
9. El-Magd E., Mahmoud M "Prediction of Fatigue life of Notched Specimens under Cyclic Bending Loading", Mat. -Wiss. U. Werkstofftech. 34, PP 212-218, 2003, German.
 10. Mahmoud M. M., Abu El-Ainin and Ali, W. Y. " Frictional Behavior of Polymeric Materials Sliding in Abrasive Contaminated", 44 Tribology Conference, GFT, Goettingen/ Germany, PP 9/1-9/14, in 22-24 Sept. 2003.
 11. Khattab, A. A., Mahmoud, M. M., W. Y. M "Tribological Behavior of Epoxy Composites Filled by Solid Lubricants and Oil," Proceeding's 8th International Conference on Tribology, 3tA&c 4th June 2004, Veszprem-Hungay 2004.
 12. Mahmoud, M. M., El-Shazly, M. H. and Ali, W. Y. "Friction and Wear Caused by The Sliding of Solid and Porous Polyethylene Against Steel", EGTRIB Journal (The Egyptian Society of Tribology), Vol.1, No.3, October 2003.
 13. Mahmoud, M. M., K. A. Hakim, W. Y. Ali "Generation of Wear Particles before Failure of International Combustion Engines", Proceeding's 8th International Conference on Tribology, 3fd& 4th June 2004, Veszprem-Hungay 2004.
 14. Youssef, M. M, Mahmoud M. M. and Ali, W. Y." Friction and Wear of Polymeric Materials Sliding Against Steel Counterface", 44 Tribology Conference, GFT, Goettingen/ Germany, in 27-29 Sept. 2004.
 15. Youssef, M. M, Mahmoud M. M. and Ali, W. Y." Friction and Wear of Polymeric Materials Sliding Against Steel Counterface", EGTRIB Journal (The Egyptian Society of Tribology), Vol.2, No. 1, PP 18-31, April 2004.
 16. Mahmoud M. M., Mansour, H. and Ali, W. Y." Influence of Heat Treatment on The Wear Resistance of Polymeric Materials", EGTRIB Journal (The Egyptian Society of Tribology), Vol.2, No.1,PP 18-31, April 2004.
 17. Mahmoud, M. M., Khashaba, M. I., Youssef, M. M and Ali, W .Y., "Developing the Tribological Properties of Recycled Polymers Composites", 3rd Saudi Technical Conference (STCEX-3), Riyadh, Kingdom of Saudi Arabia, Dec. 2004.
 18. Mahmoud, M. M., Khashaba, M. I., Youssef, M. M and Ali, W. Y., " Influence of Graphite and Molybdenum Disulphide as Filling Materials on the Friction and Wear of Epoxy Composites", 3rd Saudi Technical Conference (STCEX-3), Riyadh, Kingdom of Saudi Arabia, Dec. 2004.
 19. Hasan, N. N. A., Mahmoud, M. M., Mousa, M.O. "Stress Concentration Factor of Metallic Rack-Pinion Drive", 3rd Minia Int. conf. for Advanced Trends in Engineering, pp 134-, Minia- Egypt, April 2005.
 20. Mahmoud, M. M., Hasan, N. N. A., Mousa, M.O. "Stress Concentration of Single and Double Notched Plate Under Bi-axial State of Stress", 3rd Minia Int. conf. for Advanced Trends in Engineering, pp 146-, Minia-Egypt, April 2005.
 21. M. Hashem, M. M. Mahmoud, E. El- Magd," Description of the Anisotropic Behavior of Expanded Metal" 7th International Conference on Production Engineering and Design for Development PEED7, Ain Shams university, Cairo-Egypt, 7-9 Feb. 2006.
 22. Samy A. M., Mahmoud, M. M., Khashaba, M. I. And Ali, W. Y. "Friction of Rubber Sliding against Ceramics- Dry and Water Lubricated Conditions", 4th Assuit Univ. Int. Conf. Mech. Eng. Adv. Tech. Ind. Prod, Assuit-Egypt, pp 351-, Dec. 2006.
 23. Samy A. M., Mahmoud, M. M., Khashaba, M. I. And Ali, W. Y. "Friction of Rubber Sliding against Ceramics- Oil and Oil Diluted Water Lubricated Conditions ", 4th Assuit Univ. Int. Conf. Mech. Eng. Adv. Tech. Ind. Prod, Assuit-Egypt, pp 311-, Dec. 2006.
 24. Samy A. M., Mahmoud, M. M., Khashaba, M. I. And Ali, W. Y. "Friction of Rubber Sliding against Ceramics- Sand Contaminating the Lubricating Fluids", 4th Assuit Univ. Int. Conf. Mech. Eng. Adv. Tech. Ind. Prod, Assuit-Egypt, pp 311-, Dec. 2006.
 25. Mahmoud, M. M., "High Porosity Foam: Manufacturing, Testing and Modeling", 4th Assuit Univ. Int. Conf. Mech. Eng. Adv. Tech. Ind. Prod, Assuit-Egypt, pp 276-, Dec. 2006.
 26. Mahmoud, M. M., "Damage Characteristics of Metals in Low Cycle Fatigue Regime", 4th Assuit

- Univ. Int. Conf. Mech. Eng. Adv. Tech. Ind. Prod, Assuit-Egypt, pp 334-, Dec. 2006.
27. Kenawy S.H, and Mahmoud, M. M., “Scratching Behavior of Al₂O₃-ZrO₂ and Al₂O₃- ZrO₂- SiC Ceramic Composites “, 7th. Conf. of Egyptian Soc. of Tribology, pp 357-363, Cairo-Egypt, Dec. 2006.
 28. Samy A .M, Mahmoud, M. M., Khashaba. M. I. And Ali, W. Y.,” Friction of Rubber Sliding against Ceramics- Dry and Water Lubricated Conditions”, International Technical Journal for Polymer Materials. PP 322-327, 60 Jahrgang, June 2007.
 29. Samy A. M., Mahmoud, M. M., Khashaba, M. I. And Ali, W. Y. "Friction of Rubber Sliding against Ceramics- Dry and Water Lubricated Conditions", Kautschuk Gummi Kunststoffe KGK 60, Jahrgang, Nr.607, PP 322-327, Dec 2007.
 30. Samy A. M., Mahmoud, M. M., Khashaba, M. I. and Ali, W. Y. "Friction of Rubber Sliding against Ceramics- Oil and Oil Diluted Water Lubricated Conditions ", Kautschuk Gummi Kunststoffe KGK 60 Jahrgang, Nr.607, PP 693-696, Dec 2007.
 31. Samy A. M., Mahmoud, M. M., Khashaba, M. I. and Ali, W. Y. "Friction of Rubber Sliding against Ceramics- Sand Contaminating the Lubricating Fluids", Kautschuk Gummi Kunststoffe KGK 60 Jahrgang, Nr.608, PP 43-48, Jan 2008.
 32. Kenawy S.H, Mahmoud, M. M., “Scratching Behavior of Al₂O₃-ZrO₂ and Al₂O₃- ZrO₂- SiC Ceramic Composites “, American Society of Ceramics Bulletin, Vol. 87, No. 5, pp 9101 -9109, 2008.
 33. Mahmoud, M. M., Mousa M. O., Khashaba, M. I. And Ali, W. Y."Effect of Natural Fibers Reinforcing Friction Composites" 5th Saudi Technical Conference (STCEX-5), Riyadh, Kingdom of Saudi Arabia, Jan. 2009.
 34. Mahmoud M. M., Khashaba M. I., Ali W. Y., "Recycling Polyethylene Composites", 2nd Symposium on environmental Pollutants, Madina Monowara, KSA, pp. 263-278, April 2009.
 35. Mahmoud M. M., Mousa M. O., Khashaba M. I., Ali W. Y., "Effect of Natural fibers Reinforcing Friction Composites", 2nd Symposium on environmental Pollutants, Madina Monowara, KSA, pp. 51-75, Aril 2009.
 36. Mahmoud M. M., Mohamed M. K., Ali W. Y.," Tribological Behavior of the Contact Surface in the Presence of Electric Current", EGTRIB Journal (The Egyptian Society of Tribology), Vol.6, No.3, pp. 64-75, July 2009.
 37. Mahmoud M. M., Mohamed M. K., Ali W. Y.," Tribological Behavior of the Contact Surface in the Presence of Electric Current", EGTRIB Journal (The Egyptian Society of Tribology), Vol.6, No.3, pp. 64-75, July 2009.
 38. Mahmoud M. M., Ali W. Y., "Abrasive Wear of polymeric Composites" EGTRIB Journal (The Egyptian Society of Tribology), Vol.6, No.4, pp. 50-59, Oct. 2009.
 39. Mahmoud M. M., Elhabib O. A., Ayad M. A., Ali W. Y. “Determining the Operating Time of Engine Oils” EGTRIB Journal (The Egyptian Society of Tribology), Vol.7, No.4, pp. 450-51, Oct. 2010.
 40. Mahmoud M. M., Mohamed M. K., Ali W. Y.," Tibological behavior of lubricated surfaces under application of electric current", Proc. IMechE, Part J, Vol. 224 (Journal of Engineering Tribology), pp 73-79, 2010.
 41. Mahmoud, M. M, M. Abdel-Rahman, “Simulation and Experiments on the Solid, Ring and Compound Ring Compression Testing of Aluminum,” Int. Conf. on Materials Science and its Applications, Taif Univ.- KSA, 13-15-Feb. 2012.
 42. Ayman A. Aly, Moustafa M. Mahmoud, Adel A. Omar” Enhancement in Mechanical Properties of Polystyrene Filled with Carbon Nano-Particulates,” World Journal of Nano Science and Engineering, vol4, issue 4, 2012.
 43. M. M Mahmoud “Manufacturing, testing, and modeling of copper foams” Global J. Pure Appl. Sci., 212, pp 5-13, 2012
 44. Al-Grafi M., Mahmoud M., Ali W.,” Effect of tip radius of the indenters on friction coefficient of the scratched metallic sheets,” EGTRIB Journal (The Egyptian Society of Tribology), Vol.10, No.1, pp. 26-37, Jan. 2013.
 45. S.H. Kenawy, M.M. Mahmoud, I.H.M. Aly, L. Abed Alrahim Mohammed,” Synthesis of Calcium Silicate Ceramic via Sol-Gel Technique”, International ceramics review (Interceram), Vol. 62, No. 5, pp. 380-384, 2013.

46. Y. Mohammed, M. Mahmoud Moustafa, Ashraf T. Mohamed, G.T. Abdel-Jaber,” Finite Element Analysis of Flow Behaviors of Aluminum Powder Compacts”, International Journal of Applied Research in Engineering and Science, Vol. 1, No. 1, 1-10, 2014.
47. Mohammed Y. Abdellah, M. Mahmoud Moustafa, Ashraf T. Mohamed,” Hot Extrusion of Reinforced Aluminum Powder Compacts”, International Journal of Materials Lifetime, Vol. 1, No. 1, 1-6, 2014.
48. Mahmoud M. M., “Erosive wear of vehicles headlight cover films”, Sylwan 159 (6), pp 134-144, 2015.
49. Rehab I. A, Mahmoud M. M., Mohamed A. T., Ali W. Y., “Electrostatic characteristics of copper wires reinforced epoxy matrix composites,” Sylwan 159 (5), pp 168-181, 2015.
50. Mahmoud M. M., Ali W. Y., Abdel-Jaber G. T. “Triboelectrification of polypropylene shoe sliding against polyethylene cover”, Journal of Multidisciplinary Engineering Science and Technology (JMEST) 2(11), pp 2987-2993, 2015.
51. Rehab I. A, Mahmoud M. M., Mohamed A. T., Ali W. Y., “Frictional behaviour of epoxy reinforced copper wires composites”, Advances in Materials Research, Vol. 4, No. 3 (2015) 165-177.
52. Rehab I. A, Mahmoud M. M., Mohamed A. T., Ali W. Y., “Increasing the safety of walking against epoxy floorings reinforced by metallic wires,” KGK, 05 2016, PP 54-59.
53. Mahmoud M. M., “Frictional behavior of different glove materials sliding against glass sheet”, J. Applied Sciences, J. Applied Sciences, 16 (10), pp 491-495, 2016.
54. Mahmoud M. M., “Friction coefficient of recycled rubber soles”, Journal of the Egyptian society of tribology, 13(4), pp 1–13, 2016.
55. Khaled M. Ibrahim, M. Mahmoud Moustafa, Mubarak W. Al-Grafi, Nader El-Bagoury, Mohammed A. Amin, “Effect of Solution Heat Treatment on Microstructure and Wear and Corrosion Behavior of a Two Phase β -Metastable Titanium Alloy,” Int. Electrochem. Sci, 11, pp 3206-3226, 2016.
56. Mahmoud M. M., Ibrahim A. A., “Friction Coefficient and Triboelectrification of Textiles,” Journal of Multidisciplinary Engineering Science and Technology (JMEST) 3(2): 3970-3976, 2016
57. Mahmoud M. M., Ali W. Y., "Electric static charge generated from the sliding of head scarf textiles against skin and hair", International Journal of Scientific & Engineering Research, 7(2), pp 375-381, 2016.
58. M.W Al-Grafi, M. M Mahmoud, W. Y. Ali, “Effect of Tip Radius of the Indenters on Friction Coefficient of the Scratched Metallic Sheets” International journal of Advanced Materials and Manufacturing IJAMM, 1 (1), 2016.
59. Mahmoud M. M., “Friction of Perforated Cylindrical Rubber Protrusions Sliding on Ceramic,” Journal of Multidisciplinary Engineering Science and Technology (JMEST) 3(10): 5782-5788, 2016.
60. Mostafa A., Khalifa A., Mahmoud M. M. and Marzouk W. W, “Tribological Behavior Assessment Of 3d Printed Pla+ Samples Impregnated with Liquid Anaerobic Methacrylate Lubricant”, Journal of the Egyptian Society of Tribology, Volume 18, Issue 4, Page 37-44, October 2021.
61. Mostafa A., Khalifa A., Mahmoud M. M. and Marzouk W. W, “Effect of the bed and printing temperatures in the mechanical properties of 3d printing additive manufacturing (FDM) using PLA+ material”, 3rd International Conference on Engineering Science and Technology, July 2021.
62. Mostafa A., Khalifa A., Mahmoud M. M. and Marzouk W. W, “Effect of Infill Pattern and Raster Angle of the 3D Printer on the Mechanical Properties of PLA+”, Minia International Conference on Environment and Engineering, Hurgada, Egypt, 14-17 July 2022.

10.1. Books

- **Mahmoud M. M.**, Ali W. Y., “Mechanical Drawings”, ISBN: 978-603-8063-15-

6, published by Taif University, **2010**.

- **Mahmoud M. M.** "Engineering Drawing, Engineering Freshman", ISBN: 978-603-8063-14-9, published by Taif University, **2010**.

10.2. List of financial supported projects

Project code	Project title	Funded by
350/430/1	Design And Construction of a Test Rig to Measure the Friction Coefficient Between the Foot and The Flooring Materials	Taif University, KSA
351/430/1	Design And Construction of a Test Rig to Measure the Abrasion Resistance Of Engineering Materials	Taif University, KSA
1/431/708	Determining the Operating Time of The Engine Oil	Taif University, KSA
3100	Tribological behaviour of Low-cost Titanium alloys used in aerospace applications	Taibah University, KSA
00000	Tribological and Numerical Investigation on the Effect of Environmental Conditions on the Contact Friction in Railroad Vehicle Systems	Taibah University, KSA
ASTP09	Enhancing wear resistance of wind Turbine blades under sand impact	King Abdulaziz City for Science and Technology (KACST)