CURRICULUM VITAE

Dr. Ameer Ali Kamel Abdeltawab

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Production Engineering and Mechanical Design Department,
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Google Scholar : https://scholar.google.com/citations?user=jBTyAzIAAAAJ&hl=en

Personal Data

Title: Ph.D., **Associate Professor**
Sex: Male
Date of Birth: January 19, 1986
Place of Birth: Beni-Suef, Egypt
Nationality: Egyptian
Marital Status: Married
Mother Language: Arabic
Military Service: Fulfill

Tertiary Education

Doctor of Philosophy 8/2015 - 6/2018	Mechanical Engineering (Tribology and Material Science) Production Engineering and Mechanical Design Department, Faculty of Engineering, Minia University, Minia, Egypt Advisors: Prof. Dr. Waheed Yosry Ali Prof. Dr. Mohammed Omar Mousa Thesis: "Effect of Nanofibres on the Friction and Wear of Polymeric Composites"
Master of Science 1/2013 - 6/2015	Mechanical Engineering (Design of Machine Elements) Production Engineering and Mechanical Design Department, Faculty of Engineering, Minia University, Minia, Egypt Advisors: Prof. Dr. Mohammed Omar Mousa

Ass.Prof. Nouby Mahdy Ghazaly
Thesis: "FEM-Modeling of Spur Gears-"An Investigation into the Effect of the Working Conditions on the Generated Stresses"

Bachelor of Science — Mechanical Engineering
8/2011 — Production Engineering and Mechanical Design Department, Faculty of Engineering, Minia University, Minia, Egypt
Average Grade: Excellent (With Honors degree)
Final Grade: Excellent
Final Project Grade: Excellent
Final Rank: First place in B.Sc. Program

Areas of Interest:

- Machine Design
- Tribology
- Material science
- Friction
- Contact physics
- Lubrication
- Solid lubricants
- Self-lubricating composites
- Wear mechanisms
- Composite materials
- Artificial joints
- Material characterization
- Automation and industrial Robotics
- Industrial Engineering
- Machines and Mechanisms
- Conventional machining processes
- Non-conventional machining processes
- Surface Engineering

Experience& Training

Head of Mechatronics Department Faculty of Engineering, **NUB University**, Benisuef, Egypt 8/2025-Present

Associate Professor in Production Engineering and Mechanical Design Department, Faculty of Engineering, **Minia University**, Minia, Egypt 7/2023-Present

Associate Professor in Mechanical Engineering Department, Faculty of Engineering, **Tsinghua University**, China 7/2023- 10/2023
Assistant Professor in Production Engineering and Mechanical Design Department, Faculty of Engineering, **Minia University**, Minia, Egypt 6/2018- 6/2023
Assistant Lecturer in Production Engineering and Mechanical Design Department, Faculty of Engineering, **Minia University**, Minia, Egypt 8/2015- 5/2018
Teaching Assistant in Production Engineering and Mechanical Design Department, Faculty of Engineering, **Minia University**, Minia, Egypt 10/2011- 6/2015
Training course in Quality Standards in the Education Process, FLDC, Minia University,
Training course in Communication Skills, FLDC, Minia University, Egypt
Training course in Presentation Skills, FLDC, Minia University, Egypt
Training course in autocad mechanical program
Training course in cad cam program
Training course in top solid program
Training course in welding
Training course in human resources
Summer training in the faculty of Engineering, Minia University
Summer training in the 999 Military factory
Summer training in the sky plast. factory
*I have about 10 years in Official Quality Assurance and Accreditation Unit, Department of Production Engineering and Mechanical Design

Computer Skills:

Technical software packages including:
Solid Work program
Abaqus program
AutoCAD Mechanical program
Cad Cam program
Top Solid program
Microsoft Windows
Microsoft office (Word, Power Point, Excel…etc.).
Internet Work.
Computer Software and Hardware work.

Languages:

Arabic: read, write and speak fluently. (Mother tongue)
English: read, write and speak Very good.
French: read, write and speak not bad.

Teaching Experience

Bachelor Level - Design of Machine Elements I, Tribology I, Design of Dies, Jigs and Fixtures, Design of Machine Elements II, Advanced Welding Processes Fracture Mechanics and Failure Analysis, Automation of Production Line, Die Design II, Design of Material, Handling Equipments, Tribology II, Composite Materials, Measurements, Powder Metallurgy, Fundamental of Metal Casting, Fundamental of Metal

Forming, Metrology, Fabrication of Plastics, Automation and Industrial Robotics **(In Minia University) from 2011- present**

- production engineering, Tribology, Machine Design and Mechanical engineering courses **(In Aswan University) 2019**

- production engineering, Projects Management, Machines and Mechanisms courses **(In South-Valley University) 2019-2020**
- production engineering **(The Higher Institute of Engineering in Minya) 2021**
- production engineering **(Higher Technological Institute (HTI) 2023-2024**
- Introduction to Mechatronics, Design of Autonomous Vehicles **(NUB – Nahda University in Beni Suef) from 3/2023 - present**

Master Level Advanced Mathematics, Composite Materials, Measurements, Design of Machine Elements, Fracture Mechanics, Tribology and Failure Analysis,

Supervisor Co-supervisor of Two PhD Theses, Two M.Sc. theses and Co-supervised 15 Bachelor student projects in the field of Material science and Tribology, **Minia University, Egypt**

Soft Skills

- Interactive and fast enough to learn new technologies and sciences.
- Able to work in group, under pressure, manage stress, teaching others, helpful,
- Creative and calm.
- High Communications Skills.
- Self-Motivated.
- Ability to meet deadlines successfully maintaining the quality of work.

Awards

- Armor of excellence by the Egyptian engineers syndicate
- My master thesis has been chosen as one of the best master theses in the faculty of engineering, Minia university in 2015-2016
- Award from Minia university for publishing paper from may master research in international journal and in international conference in Malaysia in 2015
- I have got the first place in B.Sc. program with final grade excellent with honors degree
- I have got excellent degree in my final gradation project
- The Scientific publication award offered from Minia university for the year 2018
- My Ph.D. thesis has been nominated to be one of the best Ph.D. theses in Minia university for the year 2018

- The Scientific publication award offered from Minia university for the year 2023

Referees

- Prof. Dr. Waheed Yosry Ali , Faculty of Engineering, Minia University, Egypt
  Wahyos@hotmail.com, +201001293712
- Prof.Dr. Mohamed Omar Mousa, Faculty of Engineering, Minia University, Egypt,
  Mohamedmousa201049@yahoo.com , +201062638422
- Prof.Dr. Medhat Ibrahim Khashaba, Faculty of Engineering, Minia University, Egypt,
  M.I.Khashaba@gmail.com, +201112409330
- Prof. Dr. Abdelhalim Mahmoud Samy, Faculty of Engineering, Minia University, Egypt
  Abdelhalim196@yahoo.com, +201003993818
- Assc. Prof. Dr. Ahmed Mohamed Mahmoud Ibrahim, Faculty of Engineering, Minia University, Egypt
  ahmedkhalifa@mu.edu.eg.com, +2 01117400743
- Prof. Dr. Nouby Mahdy Ghazaly, Faculty of Engineering, South Valley University, Egypt, Noubyluxor@gmail.com, +201010561818

Publications

Theses Publications:

1- Ameer Ali, Mohammed Omar, and Nouby Ghazaly "FEM-Modeling of Spur Gears "An Investigation into The Effect of The Working Conditions on The Generated Stresses", Master Thesis, Minia University, Faculty of Engineering, Minia, Egypt, June 2015.

2- Ameer Ali, Waheed Yosry, and Mohammed Omar "Effect of Nanofibres on the Friction and Wear of Polymeric Composites", Ph. D Thesis, Minia University, Faculty of Engineering, Minia, Egypt, June 2018.

Conference Publications:

1- Ameer Ali, Mohammed Omar and Nouby Ghazaly, "Influence of Misalignment and Backlash on Spur Gear Using FEM", Proceedings of The IIER-Science Plus International Conference, Kuala Lumpur Malaysia, 18th October 2014, ISBN: 978-93-84209-57-5.

2- Ameer A. K., "Frictional Behavior of Self Lubricated Biocompatible Polymeric Material" International Conference on Engineering Science and Technology (ICEST), December 4–5, 2019 in Luxor, Egypt

3- Ameer A. K., Samy A. M. and Bakry M., "Measurements of Electric Static Charge Generated from Sliding of Cotton Against Clothes Textile" International Conference on Engineering Science and Technology (ICEST), February 3–4, 2021 in Luxor, Egypt

4- Ameer A. K., Samy A. M. and Bakry M., "Effect of Polymeric Additives on The Tribological Behavior of Calcium Based Grease" International Conference on Engineering Science and Technology (ICEST), February 3–4, 2021 in Luxor, Egypt

Journal Publications:

1- **Ameer Ali,** Mohammed Omar and Nouby Ghazaly, "Influence of Misalignment and Backlash on Spur Gear Using FEM", International Journal of Mechanical And Production Engineering, ISSN: 2320-2092, Volume- 2, Issue-12, Dec.-2014.

2- **Ameer A. K.,** Mousa M. O. and Ali W. Y., " Hardness And Wear Of Polymethyl Methacrylate Filled With Multi- Walled Carbon Nanotubes As Denture Base Materials", Journal of the Egyptian Society of Tribology, Vol. 14, No. 3, July, pp. 66 – 83, ISSN 2090 – 5882, (2017).

3- Ameer A. K., Mousa M. O. and Ali W. Y., "Friction Behaviour Of Polymethyl Methacrylate Reinforced By Multi-Walled Carbon Nanotubes", Journal of the Egyptian Society of Tribology, Vol. 15, No. 1, January, pp. 74 – 92, ISSN 2090 – 5882, (2018).

4- Ameer A. K., Mousa M. O. and Ali W. Y., "Tribological Behaviour of Polymethyl Methacrylate reinforced by Multi-Walled Carbon Nanotubes", KGK, Vol. 71, Issue 10, pp.40-46, (2018).

5- Ameer A. K., "Wear of Biocompatible Polymeric Composites", Journal of the Egyptian Society of Tribology, Vol. 15, No. 4, October, pp. 63 – 75, ISSN 2090 – 5882, (2018).

6- Ameer A. K., Nabhan A. and Rashed A., "Tribological and Mechanical Properties of HDPE Reinforced by Al_2O_3 Nanoparticles for Bearing Materials", International Journal of Advanced Science and Technology, Vol. 28, No. 18, pp. 481-489, (2019).

7- Ameer A. K., Al-Kabbany A. M., Ali W. Y. and Samy A. M., "Reducing the Electrostatic Charge Generated from Sliding of Rubber on Polyethylene Artificial Turf", Journal of the Egyptian Society of Tribology, Vol. 17, No. 2, April, pp. 40 – 49, ISSN 2090 – 5882, (2020).

8- Ameer A. K., Ali A. S., Ali W. Y. and Ibrahem R. A., "Effect of Conducting Materials on Electrostatic Charge Generated From Sliding on Polyethylene Turf ", Journal of the Egyptian Society of Tribology, Vol. 17, No. 3, July, pp. 48 – 58, ISSN 2090 – 5882, (2020).

9- Ameer A. K., Ali A. S., Ali W. Y. and Elzayady N., "Friction and Wear of Polymeric Composites Filled by Oils", Journal of the Egyptian Society of Tribology, Vol. 17, No. 4, October, pp. 44 – 54, ISSN 2090 – 5882, (2020).

10- Ameer A. K., Rami Alfattani, Mohamed K. Hassan, and Samy A. M., "Enhancing the Epoxy Flooring Materials to Avoid Dangerous of Electrostatic Charge and Slip Accidents", Solid State Technology, Vol. 63, No. 4, pp. 7756 – 7771, ISSN 0038-111X, (2020).

11- Ameer A. K., Bakry M. and Samy A. M., "Measurements of Electric Static Charge Generated From Sliding of Cotton Against Clothes Textile", Solid State Technology, Vol. 63, No. 4, pp. 7834 – 7842, ISSN 0038-111X, (2020).

12- Ameer A. K., Nabhan A., Badran A. and Rashed A., "Tribological Behavior and Performance of Lubricants Filled with Nanoparticles: A Review", American Journal of Engineering Research (AJER), Vol. 10, Issue 1, e-ISSN: 2320-0847, pp.230-236, (2021).

13- Ameer A. K., Badran A. H. and Bakry M. A., "Tribological Properties of Polyester Composites Filled by Recycled Thermoplastic Polymers", Journal of the Egyptian Society of Tribology, Vol. 18, No. 1, January, pp. 18 – 28, ISSN 2090 – 5882, (2021).

14- Ameer A. K., Khamaj A., Samy A. M., "Effect of Ambient Illumination, Screen Resolution and Zoom Level on Performance of Typing on Computers", Turkish

Journal of Computer and Mathematics Education, Vol. 12, No. 6, , pp. 1658-1674, ISSN 1309 – 4653, (2021).

15- Ameer A. K., Nabhan A., Rashed A., Bakrey M., "Diagnosing and Monitoring of Double V-Belt Drive System Under Unsteady Operating Conditions Via DMA", International Journal of Mechanical & Mechatronics Engineering IJMME-IJENS, Vol. 21, No. 03, , pp. 1-10, ISSN 1309 – 4653, (2021).

16- Ameer A. K., Badran A. H. Fouly A., and Ali W. Y., "Electrostatic Charges Generated on the Medical Clothes", Journal of the Egyptian Society of Tribology, Vol. 18, No. 2, April, pp. 15 – 26, ISSN 2090 – 5882, (2021).

17- Ameer A. K., Rami Alfattani, Mohamed K., Fares H. Alanazi, Ahmed F. and Samy A. M., "Tribological Properties of Polyester Composites Filling by solid Lubricants", KGK, Vol. 74, Issue 4, pp.59-62, (2021).

18- Ameer A. K., Nabhan A., Mohamed R. El-Sharkawy and Rashed A., "Dynamic Model Analysis for Unsteady Operating of Double V-Belt Drive System", Turkish Journal of Computer and Mathematics Education, Vol. 12, No. 14, pp.2950- 2963, (2021).

19- Ameer A. K., Samy A. M., Ali W. Y. and Atia K. M., "Effect of Dispersing Lithium Grease by Clay Particles", Journal of the Egyptian Society of Tribology, Vol. 18, No. 4, October, pp. 55 – 65, ISSN 2090 – 5882, (2021).

20- Ameer A. K., Ali W. Y. and Meshref A. A., "Wear Behaviour of Dental Resin Reinforced by Silicon Carbide Nanofibers", Journal of the Egyptian Society of Tribology, Vol. 19, No. 1, January, pp. 41 – 54, ISSN 2090 – 5882, (2022).

21- Ameer A. K., Samy A. M., Ali W. Y. and Meshref A. A., "Hardness and Frictional Behaviour of Dental Hybrid Composite Resin Filled by Silicon Carbide Nanofibers", Journal of the Egyptian Society of Tribology, Vol. 19, No. 1, January, pp. 28 – 40, ISSN 2090 – 5882, (2022).

22- Ameer A. K., El-Abd A. H., Samy A. M., Bafakeeh. O. T. and Khoshaim. A. B., "Tribological Behaviour of Grease Contaminated by Sand", International Journal of Mechanical Engineering, Vol. 7, No. 2, February, pp. 2201 – 2209, ISSN 0974-5823, (2022).

23- Ameer A. K., Samy A. M. and El-Abd A. H., "Enhancing the Safety of Epoxy Floor Materials by Using Copper Chip", Journal of the Egyptian Society of Tribology, Vol. 19, No. 2, April, pp. 88 – 98, ISSN 2090 – 5882, (2022).

24- Ameer A. K., Khamaj A., A.M.M. Ibrahim., Samy A. M., "Enhancing the Safety of Epoxy Flooring Materials in Wet Working Condition" King Abdulaziz Journal: Engineering Sciences, Vol. 32, No. 1, pp.58-68, (2022).

25- Ameer A. K., Haitham M. Hadidi, Moath A. Eldbari, Mohamed K. Hassan and Samy A. M., "Frictional Behavior of Self Lubricated Biocompatible Polymeric Materials", KGK, Vol. 75, Issue 2, pp. 66-72, (2022).

26- Ameer A. K., O. T. Bafakeeh, A. B. Khoshaim and Samy A. M., "Effect of Copper Powder on the Frictional and Electrostatic Properties of Epoxy Flooring Materials in Dry Working Condition", KGK, Vol. 75, Issue 1, pp. 70-74, (2022).

27- Ameer A. K., Haitham M. Hadidi, Mohammed Y. Tharwan, W. M. Shewakh and Samy A. M., "Friction and Wear of Steel lubricated by Calcium Based Grease Filling by Polymeric Materials", KGK, Vol. 75, Issue 2, pp. 38-44, (2022).

28- Ameer A. K., Samy A. M. and El-Abd A. H., "Improving the Tribological and Tribo-Electrification Properties of Epoxy Flooring Materials", SVU-International Journal of

Engineering Sciences and Applications, Vol. 3, No. 2, pp. 47 – 57, ISSN 2785-9967, (2022).

29- Ameer A. K., Mousa M. O., Ali W. Y., Samy A. M. and El-Abd A. H., "Influence of Counterface Materials on the Tribological Behavior of Dental Polymethyl Methacrylate Reinforced by Single-Walled Carbon Nanotubes (SWCNT)", SVU-International Journal of Engineering Sciences and Applications, Vol. 3, No. 2, pp. 68 – 79, ISSN 2785-9967, (2022).

30- Ameer A. K., Al-Kabbany A. M., Ali W. Y. and Hamdy K., "Influence of Surface Roughness on the Output Voltage of a Triboelectric Nanogenerator", Journal of the Egyptian Society of Tribology, Vol. 19, No. 3, July, pp. 45 – 52, ISSN 2090 – 5882, (2022).

31- Ameer A. K., Khamaj A., Moosa M. and Samy A. M., "Effect of Ambient Noise, Font Size and Character Type on Typing Performance on Computers" Journal of Jazan University, Vol. 9, No. 2, (2021).

32- Ameer A. K., Ali W. Y., Samy A. M. and El-Abd A. H., "Frictional and Electro-Static Charge properties of Textile Materials", Journal of the Egyptian Society of Tribology, Vol. 19, No. 4, October, pp. 11 – 18, ISSN 2090 – 5882, (2022).

33- Ameer A. K., Mousa M. O. and Ali W. Y., "Influence of Multi-Walled Carbon Nanotubes Content on the Mechanical Properties of Cold and Hot Cured Acrylic Resin For Denture Base", Journal of the Egyptian Society of Tribology, Vol. 19, No. 4, October, pp. 41 – 53, ISSN 2090 – 5882, (2022).

34- Ameer A. K., Hamdy K., Ali W. Y., Samy A. M. and Atia A. M.., "Wear of High Density Polyethylene Reinforced by Single Wall Carbon Nanotubes and Aluminium Oxide Nanoparticles for Bearing Materials Applications", Journal of the Egyptian Society of Tribology, Vol. 20, No. 1, January, pp. 63 – 73, ISSN 2090 – 5882, (2023).

35- Ameer A. K., Rashed A. and El-Abd A. H., "Effect of Hybrid SiC/TiO_2 NPs on Tribological and Mechanical Performance of PMMA Dental Base Material" Journal Materials Protection, Vol. 64, No. 1, pp.86-95, ISSN 0351-9465, (2023).

36- Ameer A. K., Ahmed A. Gad El-Mawla and Kassar M. H., "Wear and Mechanical Performance of HDPE Al_2O_3 Nps and CNTs Matrix as Frictional Materials Applications", Journal of the Egyptian Society of Tribology, Vol. 20, No. 3, pp. 109 – 119, ISSN 2090 – 5882, (2023).

37- Nabhan A., Mohamed T., Ibrahim A. M. M. and Ameer A. K., "Role of Hybrid Nanofiller GNPs/Al_2O_3 on Enhancing the Mechanical and Tribological Performance of HDPE Composite" Scientific reports Journal, Vol. 13, No. 1, pp.12447 (2023).

38- Rashed A., Al-Kabbany A. M., Zeinab A. H., Youness K. A., Ali W. Y. and Ameer A. K., "Wind Speed Sensor Based on Sliding Triboelectric Nanogenerator", Journal of the Egyptian Society of Tribology, Vol. 20, No. 4, pp. 106 – 116, ISSN 2090 – 5882, (2023).

39- Bakrey M., Nabhan A., Ameer A. K., Mohamed R. El-Sharkawy, "Performance of Lithium-Based Grease Filled with Hybrid Paraffin Oil and TiO_2 Nanoparticles for Vehicle Applications", International Journal of Vehicle Structures, Vol. 15, No. 4, pp.540-546, (2023).

40- El-Shazly M. H., Al-Kabbany A. M., Ali W. Y., Ali A. S. and Ameer A. K., "Influence of Magnetic Field on the Performance of the Triboelectric Nanogenerator", Journal of the Egyptian Society of Tribology, Vol. 21, No. 1, pp. 12 – 23, ISSN 2090 – 5882, (2024).

41- Rashed A., Al-Kabbany A. M., Ali W. Y.and Ameer A. K., "Factors Affecting the Coefficient of Friction in A Direct Current Triboelectric Nanogenerator", Journal of the Egyptian Society of Tribology, Vol. 21, No. 2, pp. 53 – 61, ISSN 2090 – 5882, (2024).

42- A. S. Ali, A. M. Al-Kabbany, Zeinab A. H., W. Y. Ali and A. K. Ameer, "Role of Triboelectrification in the Friction of Sliding Surfaces", Journal of the Egyptian Society of Tribology, Vol. 21, No. 3, pp. 1 – 11, ISSN 2090 – 5882, (2024).

43- Ali A. S., Al-Kabbany A. M., Ali W. Y. and Ameer A. K., "Influence of the Thickness of the Friction Surfaces on the Performance of the Triboelectric Nanogenerator", Journal of the Egyptian Society of Tribology, Vol. 21, No. 4, pp. 59 – 70, ISSN 2090 – 5882, (2024).

44- Ali A. S., Al-Kabbany A. M., Ali W. Y. and Ameer A. K., "Development of Bidirectional Direct Current Triboelectric Nanogenerator", Journal of the Egyptian Society of Tribology, Vol. 21, No. 4, pp. 71 – 81, ISSN 2090 – 5882, (2024).

45- Ali A. S., Al-Kabbany A. M., Ali W. Y. and Ameer A. K., "Bidirectional Direct Current Triboelectric Nanogenerator for Electronic Skin", Journal of the Egyptian Society of Tribology, Vol. 22, No. 1, pp. 11 – 22, ISSN 2090 – 5882, (2025).

46- Ali A. S., Al-Kabbany A. M., Ali W. Y. and Ameer A. K., "Electrostatic Charge Generated from Contact/Separation and Sliding of Foot on Insole of Polypropylene Shoes in Hospitals", Journal of the Egyptian Society of Tribology, Vol. 22, No. 2, pp. 1 – 10, ISSN 2090 – 5882, (2025).

47- Sinossi M. I., Abdu H. M., Ameer A. K., Hussein H., "Optimization of Graphene-Based Nanofiller Combinations in Pmma Dental Composites Using Taguchi Approach", Journal of the Egyptian Society of Tribology, Vol. 22, No. 3, pp. 80 – 97, ISSN 2090 – 5882, (2025).

48- Ali A. S., Aly M. S., Esraa S. F., Ali W. Y. and Ameer A. K., "Development of The Materials of Denture Base", Journal of the Egyptian Society of Tribology, Vol. 22, No. 3, pp. 38 – 48, ISSN 2090 – 5882, (2025).

49- Farrag A. A., Mousa M. O., Khashaba M., Mohamed M. K., Samy A. M., Ali W. Y. and Ameer A. K., "Abrasive Wear Resistance of Composite Resin", Journal of the Egyptian Society of Tribology, Vol. 22, No. 4, pp. 10 – 19, ISSN 2090 – 5882, (2025).

50- Ameer A. K., Zeinab A. H., Ali W. Y. and Badran A. H., "Tribological Behavior of Composite Resin", Journal of the Egyptian Society of Tribology, Vol. 22, No. 4, pp. 48 – 59, ISSN 2090 – 5882, (2025).

51- Ali A. S., Zainab A. H., Al-Kabbany A. M., Ali W. Y. and Ameer A. K., "Frictional Behavior of The Sliding of Composite Resin on Teeth", Journal of the Egyptian Society of Tribology, Vol. 22, No. 4, pp. 35 – 47, ISSN 2090 – 5882, (2025).

52- Ahmed Rashed, Ahmed Nabhan and Ameer Ali Kamel, "Innovative Approaches to Shock Absorber Performance: Dynamic Modeling and Rubber Damping Analysis", KGK, Vol. 78, Issue 4, pp.50-56, (2025).

53- Samar E. Salem, Abdallah Shokry, A. H. Badran, W. Y. Ali and Ameer Ali Kamel, "Evaluation of the tribological and mechanicalbehavior of SiC nanofiber/hybrid dental restorative composites", Materials Research Express, Vol. 12, No. 12, pp.1-13, (2025).

54- Howida Mohamed, W. Y. Ali, Abdallah Shokry, A. H. Badran and Ameer Ali Kamel, "Improving the durability and wear performance of heat-polymerized PMMA using nanoparticles derived from hydroxyapatite and date seeds for denture base

application", Advances in Science and Technology Research Journal (ASTRJ), Vol. 20, Issue 4, (2026).

55- Samar E. Salem, Abdallah Shokry, A. H. Badran, W. Y. Ali and Ameer Ali Kamel, "Development and characterization of SiC nanofiber and hybrid reinforced composites for dental restorations", Scientific Reports, Vol. 16, No. 803, pp.1-14, (2026). https://doi.org/10.1038/s41598-025-32575-w

56- Howida Mohamed, W. Y. Ali, Abdallah Shokry, A. H. Badran and Ameer Ali Kamel, "Synergistic tribo-mechanical enhancement of heat-cured poly (methyl methacrylate) denture base via hybrid in-situ synthesized organic and inorganic nanoparticles", Scientific Reports, Vol. 16, No. 4105, pp.1-15, (2026). https://doi.org/10.1038/s41598-025-33026-2