



Karim Abdelkader

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LinkedIn: <https://www.linkedin.com/in/karim-atia-9ba026103/>

Gender: Male **Date of birth:** 01/03/1991 **Nationality:** Egyptian

WORK EXPERIENCE

[01/11/2020 – Current]

Assistance professor

Production Engineering and Mechanical Design Department, Faculty of engineering, Minia University

City: Minia

Country: Egypt

Teaching following courses:

Engineering Drawing.

Production Engineering.

3D CAD design software (Solidworks).

Industrial Organization and Factory Planning.

Industrial safety and labor supervision.

Responsibilities:

Secretary of the Department Council.

material testing laboratories that includes (universal testing machine - optical microscope).
undergraduate and postgraduate research supervision.

[26/03/2017 – 01/11/2020]

Assistant Lecturer

Production Engineering and Mechanical Design Department, Faculty of engineering, Minia University

City: Minia

Country: Egypt

Teaching following courses:

Material Forming (Bulk/sheet).

Mechanical Design.

Powder metallurgy.

Mechanical Design.

Welding and casting technology.

Engineering drawing and assembly

Production Engineering

Composite material.

Responsibilities:

Material testing laboratories that includes (universal testing machine - optical microscope).
Undergraduate research supervision.

[20/10/2014 – 26/03/2017]

Teaching Assistant

Production Engineering and Mechanical Design Department, Faculty of engineering, Minia University

City: Minia

Country: Egypt

Teaching following courses:
Material Forming (Bulk/sheet).
Powder metallurgy.
Mechanical Design.
Welding and casting technology.
Engineering drawing and assembly
Production Engineering
Composite material.

Responsibilities:
Material testing laboratories that includes (universal testing machine - optical microscope).
Performing test procedures for undergraduate researchers.

EDUCATION AND TRAINING

[07/11/2020 – 05/08/2022]

Master of business Administration - MBA in Engineering Management

Brooklyn Business School <https://www.brooklynacademy.net/bbs/>

Address: Cairo, Egypt

Final grade: 82.39 %

Thesis: Investigate The Establishment of a Wood Panel Factory That Uses Locally Harvested Tree Timber

Administration and Management (V.Good)

Human Resource Management (V. Good)

Project Management (Good)

Total Quality Management (V.Good)

Lean Six Sigma (Excellent)

Supply Chain Management (Excellent)

Strategic Management (Excellent)

Entrepreneurship (Excellent)

Marketing Management (Excellent)

Accounting and Financial Management (Good)

Economics (V.Good)

Project (V.Good)

[09/2020]

PhD in Production Engineering and Mechanical Design

Faculty of engineering, Minia University <https://www.minia.edu.eg/Minia/Arhome.aspx>

Address: Minia, Egypt

Thesis: An investigation into conventional spinning combined with ballizing shear spinning with simultaneously burnishing process.

[28/02/2017]

M.Sc. in Production Engineering and Mechanical Design

Faculty of engineering, Minia University <https://www.minia.edu.eg/Minia/Arhome.aspx>

Thesis: Study of deformation and fracture of polymer composites under variable strain rate loads.

M.Sc. Preparatory year courses:

Advanced Engineering applications on the computer. (good)

Materials Technology. (Distinction)

Stress Analysis. (Pass)

Advanced Engineering Mathematics. (V.Good)

Elective Course. (V.Good)

English Language. (Good)

[22/07/2013]

B.SC. in Production Engineering and Mechanical Design

Faculty of engineering, Minia University

Address: Minia, Egypt

Overall cumulative: 86.05 % Distinction

Final year Grade: 88.6 %

Graduation Project: Producing and Testing Glass Fiber Reinforced Epoxy Composites.
(Distinction)

FACULTY STAFF SKILLS DEVELOPMENT CERTIFI- CATES

(FLDC) Faculty and Leadership Development Center

1. Research Team Management.
2. Scientific publishing.
3. Communication skills in different Education methods.
4. Certificates in Communication skills in Education methods.
5. Certificates in Quality standards in the teaching process.

(SPSS) Statistical Package for the Social Sciences Certificate

(ICTP) Certificate

(ICDL) Certificate

DIGITAL SKILLS

SolidWorks | Microsoft Excel | Microsoft Word | Microsoft Powerpoint | AutoCAD

LANGUAGE SKILLS

Mother tongue(s): Arabic

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

RECOMMENDATIONS

Head of production Engineering department – Beni Suef University – Egypt.

Name: Prof. Dr. Eng. Mohamed Naguib El-Sheikh

Email: elsheikh53@hotmail.com

1. Supervisor of my PhD degree
2. Head of the evaluation committee of my master's degree

Professor of Mechanical Design, Faculty of engineering, Minia University, Egypt.

Name: Prof. Dr. Eng. wagihw.W.marzouk

Email: wagihw.marzouk@yahoo.com

1. Supervisor of my Phd degree
2. member of the evaluation committee of my master's degree

Professor of Mechanical Design, Faculty of engineering, Minia University, Egypt.

Name: Prof. Dr. Eng. Mostafa Mahmoud

Email: msharaief@mu.edu.eg

Dean of Faculty of Engineering - Minia University – Egypt.

**Professor of Tribology, Production Eng. and Mechanical design department,
Minia University, Egypt.**

Name: Prof. Dr. Eng. WaheedYosryAli

Email: Wahyos@hotmail.com

co-author of a number of my research articles

PUBLICATIONS

- [1]. **Ayman A. Abd-Eltwab, Karim.M.Atia, E.K. Saied, and Ahmed . M.Atia, An Investigation into the Forming of Tube Ends Using the Ballizing Process, (1): p. 3358 - 3374.(2022).**
- [2]. **Atia K. M., Esayed A. A., Ali W. Y. and Badran A. H., "Tribological Properties Of High Density Polyethylene Filled By Graphene Oxide Nano Particles", Journal of the Egyptian Society of Tribology, Vol. 20, No. 1, pp. 1 - 10, (2022).**
- [3]. **Atia K. M., Esayed A. A., Ali W. Y. and Badran A. H., "Mechanical Properties Of High Density Polyethylene Filled By Graphene Oxide Nano Particles", Journal of the Egyptian Society of Tribology, Vol. 20, No. 1, pp. 11 - 21, (2022).**
- [4]. **Atia K. M., Ali W. Y. and Badran A. H., "Effect Of Electric Current On The Tribological Properties Of Lithium Grease Dispersed By Silica Nano Particles And Carbon Nanotubes", Journal of the Egyptian Society of Tribology, Vol. 18, No. 3, pp. 83 - 96, (2021).**
- [5]. **Badran A. H., Ali W. Y. and Atia K. M., "Tribological Performance Of Lithium Grease Dispersed By Silca Nano Particles And Carbon Nanotubes", Journal of the Egyptian Society of Tribology, Vol. 18, No. 3, pp. 23 - 34, (2021).**
- [6]. **Ameer A. K., S.A.M., Ali W. Y. and Atia.K. M., Effect Of Dispersing Lithium Grease By Clay Particles. Journal Of The Egyptian Society Of Tribology, 18(4): p. 55 – 65.(2021).**
- [7]. **Atia, K., et al., An Investigation Into A Conventional Spinning Process Combined With Flow Forming With Simultaneously Burnishing Processes. Journal of Advanced Engineering Trends, 40(1): p. 97-107.(2021).**
- [8]. **K. M. Atia, S.Z.E.-A., M. N. EL-Sheikh, W. W. Marzouk, A Novel Technique for Combining Conventional and Flow Spinning with Simultaneously Burnishing Process. International Journal of Mechanical and Production Engineering Research and Development, 10(2): p. 111–126.(2020).**
- [9]. **Ayman A. Abd-Eltwab, B.M.K., Karim M. Atia and E.K. Saied, An Investigation into Burnishing of Hollow Cylindrical Parts. International Journal of Advanced Science and Technology, 29(1): p. 856-868.(2020).**
- [10]. **Karim.M.Atia, A.A.M., Tensile Deformation Behavior Of Epoxy Matrix Reinforced With Various Woven Fiber Unders Different Deformation Rates. Minia Journal of Engineering & Technology, 36(2).(2017).**