

**Prof. Mohamed Abd Elgawad  
Abd Elfattah**

*Professor of Textile Structure  
Head of Textile Engineering Department  
Faculty of Applied Arts – Badr University  
In Cairo - Egypt*



**Education**

**Doctorate of Philosophy (Ph.D.)** 2002-2006

Faculty of Applied Arts – Helwan University  
Giza, Egypt

**Master of Science – Textile Engineering** 1999-2002

Faculty of Applied Arts – Helwan University  
Giza, Egypt

**Bachelor of Science** 1993-1997

Faculty of Applied Arts – Helwan University – Textile Spinning/Weaving/Knitting Dept.  
Giza, Egypt

**El-nasr school** 1980-1992

Heliopolis – Cairo - Egypt

**Experience**

- Head of Textile engineering department Faculty of Applied Arts – badr University.(from 2016- until now)
- Textile lecturing (8 years) Faculty of Applied Arts – badr University.
- Textile lecturing (18 years) Faculty of Applied Arts – Helwan University.
- Technical manager (14 years) in mam tex (weaving factory).
- A board Member of textile design and technology center(5 years).
- Consultation for various projects and factories in the field of textiles.

**Professional  
Career  
Experience**

- 2017-present professor of textile structure (Spinning, Weaving, and Knitting) Dept.– Faculty of Applied Arts – Helwan University.
- 2012 –2017 - Associate professor in Textile (Spinning, Weaving, and Knitting) Dept.– Faculty of Applied Arts – Helwan University.
- 2006 –2011 PhD Lecturer in Textile dept. – Faculty of Applied Arts – Helwan Univ.
- 2002 – 2005 Asst. lecturer in Textile dept. - Faculty of Applied Arts – Helwan Univ.
- 1999 – 2002 researcher in Textile dept. - Faculty of Applied Arts – Helwan Univ

Teaching and assisting in the delivering academic educational courses for undergraduates, the courses include:

**Undergraduate courses:**

- Weave structure
- Textile weaving machinery
- Fabric analysis
- Computer aided textile design and production program
- Textile lab (testing)
- Textile material

**Postgraduate courses:**

- Advanced weave structure (Master courses)
- Textile marking (Master courses)

In addition, I'm involved in several administrative, academic, and cultural activities in the University, include:

**Professional  
Career  
Experience  
(Cont.)**

- Supervising several Master, and PhD thesis related to:
  - Weave structure development
  - PCMs applications in the field of textiles with OUTLAST (An American Co.)
  - Composite fabrics
  - Textile management and quality systems.
- A board member of the quality unit at the Faculty of Applied Arts.
- A board member of the Textile Dept. committee.
- A member of several committees – Faculty of Applied Arts – Helwan Univ.
- A member of the Egyptian Engineering syndicate.
- A member of Applied Arts Designers Syndicate.
- Member of the Security and Safety Commission at spinning and weaving Department.

- Associate Editor for International Design Journal (IDJ)
- A member of the "Arab Association for Islamic Civilization and Arts"
- Participating in Quality Assurance and Accreditation Project in the department.
- A board Member of textile design and technology center Faculty of Applied Arts – Helwan Univ.
- programme and courses quality and accreditation.
- A team member in the joint collaboration research project between an American company (*OUTLAST – PCM*) and the Spinning, weaving and knitting dept. – Faculty of Applied Arts – Helwan university.
- Supervising graduation project from 2009-2024
- Acting as a student advisor for senior students.
- Establishing and managing the hand-loom workshop of Badr university
- Establishing and managing the hand-tuft workshop of Badr university

**Academic  
background**

- **PhD -Faculty of Applied Arts – Helwan University 2006**  
Effect of some geometrical construction elements on the functional performance properties of chenille fabrics.
- **M.Sc Textile dept. – Faculty of Applied Arts – Helwan Univ.2002**  
Possibility of obtaining new aesthetic and effects for face-to-face double woven wrap pile fabrics carried out on Dobby looms
- **B.Sc Textile dept. – Faculty of Applied Arts – Helwan University 1997**  
Obtained a Bachelor degree of science in the field of textiles, with an honor degree.

**Published  
Papers**

- 2007 THE Benefiting from chaos theory in design to obtain textiles with weave and innovative aesthetic effects - Korea-Egypt International conference "Fashion spirit" 27/12/2007
- 2007 The Effect of some fabric construction factors (Fabric structure and number of wefts per unit) on Dirt – repellent finish properties of upholstery fabrics - first international conference of applied arts - 24/3/2008
- 2008 Effect of material variation for both core and pile of chenille yarns on fabric properties –fifth international conference of textile research division – national research Centre – 6/4/2008.
- 2010 Effect of pile tufts distribution on velvet fabrics properties. – seventh international conference of textile research division –national research Centre. 10/10/2010
- 2011 Producing upholstery fabrics with elevated ornament by using innovated applied method. Kafr Elshiekh university (smartex) 20/11/2011
- 2012 Production of velvet fabrics executed on the Jacquard machines by using innovative applied methods. 2th international conference of applied arts – 10/10/2012

- 2015 "The effect of some geometrical construction elements on flame resistance property of velvet fabrics". The International design journal. Volume 4, issue 2 , 1 – April – 2015.
- 2015 Effect of pile and ground constructions on mechanical properties of velvet fabrics - International Journal of Advance Research in Science &Engineering .(IJARSE) volume 04, Issue no. 7 July 2015.
- 2015 Studying the functional performance properties of the fabrics including metallic yarn. International Journal of Advance Research in Science & Engineering .(IJARSE) volume 04, Issue no. 08 August 2015 .
- 2015 Achieving optimum thermal comfort properties for Automotive Seat Fabrics . International Journal of Advance Research in Science & Engineering .(IJARSE) volume 04, Issue no. 11 November 2015
- 2016 Effect of some construction elements on the functional properties of car seat fabrics - International Journal of Advance Research in Science & Engineering .(IJARSE) volume 05, Issue no. 4 April 2016
- 2016 Effect of production method variation used to produce three dimensional upholstery fabrics on functional performance - International Journal of Innovation and Applied Studies (IJIAS) volume 18, Issue no.3 November 2016
- 2017 (Improvement of the properties of multi-layered fabrics used in the production of mattresses to achieve the best functional performance). international design journal, volume 7, issue 4, 1 - October -2017.
- 2018 (Designing Composite Fabric for Strengthening Concrete Slabs), International Design Journal, Volume 8, Issue 3 , 1st of January 2018.
- 2019 (three-dimensional design of terry fabrics) International Design Journal, Volume 9, Issue 3, July 2019 .
- 2019 (Innovative Techniques for Production of Terry Towel Fabrics with Aesthetical Values) International Design Journal, Volume 9, Issue 2, June 29th 2019 .
- 2019 Effect of different some construction elements of terry towels fabrics on absorption property, International Design Journal, Volume 10, Issue 1, november 20th 2019 .
- 2020 Improving the performance of terry fabrics for use in pilgrimage cloth, International Design Journal, Volume 10, Issue 3, july 1<sup>st</sup> 2020 .
- 2021 Potential effects of strategic brand management as a marketing approach

on weaknesses and threats of textile marketing in Egypt , International Design Journal, Volume 11 Issue 2, march 2021.

- 2021 The correlation between adopting marketing as a business orientation and its effect on exporting of the textile firms in Egypt's industry, International Design Journal, Volume 11 Issue 2, march 2021.
- 2022 The Effect of Different Structural Formations of Innovative Yarns on Fabric Comfort Properties, International Design Journal, Volume 12 Issue 2, 18 of march 2022
- 2022 Designing fabrics with innovative fancy yarns to achieve aesthetic values in men's clothing fabrics , heritage and design journal, Volume 2 Issue 11, October 2022.
- 2023 "The effect of fabric construction elements variation on some mechanical and physical properties for sueded finished fabrics "International Design Journal, Volume 13 Issue 1, 1 of January 2023
- 2024 " utilizing some techniques in producing wall covering fabrics with embodied designs , journal of art , design and music, Volume 8 Issue 5, 1 of January 2024

### ***thesis Supervision***

- (PhD) Tamer farouk" The Achievement of the Smart E-Management for the Weaving Production Process".
- (M.SC.) Hanan Said " Effect of deference construction element to produce 3D Upholstery fabrics on the functional performance "
- (PhD) hafez said "Achieving optimum thermal comfort properties for Automotive Seat Fabrics" .
- (M.SC.) marwa mostafa "Study of the properties of multi-layered fabrics used in the production of mattresses to achieve the best functional performance"
- (M.SC.) asmaa kamel "Designing Composite fabrics for strengthening floor tiles used in road paving"
- (PhD) Ahmed Abd Elfadel "Effect of Strategic Brand Management on Textile Marketing "
- (M.SC.) Esraa Mohamed "Effect of using some types of fancy yarns on aesthetic values and performance properties of goblin fabrics"
- (M.SC.) Mohamed Adel "The Effect of some construction elements of Terry towels fabrics on their functional properties "

- (PhD) Eman Zaher Goda " innovative techniques for production of terry towel fabrics with aesthetical values.
- (M.SC.) ahmed emara "Improving the performance of terry fabrics to be used as pilgrimage clothes "
- (PhD) Ahmed mohamed kamal el sheikh "create a 3d simulation computer program as an interactive training tool for weaving machines "
- (M.SC.) eman taher sakr "The effect of fabric construction elements variation on some mechanical and physical properties for sueded finished fabrics "
- (PhD) Marwa Mostafa Mostafa Mohamed "Designing and Producing of Innovative Fancy Yarns to Achieve Aesthetic and Functional Values in Men's Clothing Fabrics "
- (M.SC.) ezz eldin osama ezz eldin "utilizing of some techniques in producing wall covering fabrics with embodied designs "

**thesis  
discussion**

2015 (M.SC.) Eman Zaher Goda "Effect of Applying Flocking Methods on the functional properties of selected Upholstery Fabrics"- helwan university 28/5/2015

2016 (M.SC.) Ebtehal abd elmonam " designing multi layered jacquard fabrics for warming purposes (Duvet)- helwan university 14 /11/2016

2023 (M.SC ) ahmed osama elsheikh "Using Digital Technology Applications in the Production of Gobelin Fabrics with Innovative Designs , helwan university 20 /7/2024

**Attended  
Training  
Courses**

- Fabrics inspection and testing course at chemistry administration.
- Fabrics design using "Penelope" program
- ICDL courses at Helwan University.
- Several courses in improving the capabilities of academic staff.
- start-up and basic mechanical course for smit looms
- erection and training of the Staubli jacquard machines
- start-up and basic mechanical course for itema looms (R9500)
- erection and training of the Bonas jacquard machines
- maintain and operate textile machine (itema-R9500terry)
- maintain and operate jacquard (bonas Lj – Zj)

The following courses were attended in Helwan University, Helwan, Egypt from 2010 to 2016 and they were as follows:

- International publishing of research
- Credit hour system
- How to compete for research fund
- Conference organization
- Quality standards in teaching
- Research team management
- statistical analysis
- Strategic Planning
- Financial and legal aspects at university

**Awards** Several certificates; related to training courses, workshops, conferences, assessments,...etc

**Special Skills**      **Languages**

- Native speaker of Arabic
- Fluent in English

**Personal Data**

<b>Date of Birth</b>	20 /01/ 1975
<b>Place of Birth</b>	Cairo, Egypt
<b>Nationality</b>	Egyptian
<b>Address</b>	64 hesham labib St., 8 <sup>th</sup> area, Nasr City, Cairo.
<b>Mobile</b>	01223110541 - 01110022233
<b>E-Mail</b>	Moh_elgawad@hotmail.com.

**Research points of interest**

- **Textile quality control production systems.**
- **Textile production management.**
- **Weave structure**
- **Textile weaving machinery**
- **Textile testing.**
- **Textile design.**
- **Knitting technology**