




FACULTY OF APPLIED ARTS



كلية الفنون التطبيقية

	الاسم	محمد عبد الجواد عبد الفتاح
	Name	Mohamed abd elgawad abd elfattah
	الاسم المستخدم في النشر العلمي	Mohamed abdel Gawad
	الوظيفة الحالية وجهة العمل	أستاذ تراكيب المنسوجات بكلية الفنون التطبيقية – جامعة حلوان و معار الى كلية الفنون التطبيقية جامعة بدر
	الدرجة العلمية (اسم الجامعة والدولة)	أستاذ تراكيب المنسوجات – كلية الفنون التطبيقية – جامعة حلوان
	التخصص العام	الغزل و النسيج
	التخصص الدقيق	تراكيب المنسوجات
	البريد الإلكتروني	Moh_elgawad@hotmail.com
	المؤهلات العلمية	بكالوريوس فنون تطبيقية 1997 ماجستير سبتمبر 2002 دكتوراة سبتمبر 2006 استاذ مساعد فبراير 2011 استاذ أبريل 2017
	السيرة الذاتية	
	الأبحاث المنشورة	<ul style="list-style-type: none"> 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

	<ul style="list-style-type: none"> • 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 	
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	<p>including metallic yarn. International Journal of Advance Research in Science & Engineering .(IJARSE) volume 04, Issue no. 08 August 2015 .</p> <ul style="list-style-type: none"> • 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 	
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	<p>Aesthetical Values) International Design Journal, Volume 9, Issue 2, June 29th 2019 .</p> <ul style="list-style-type: none"> • 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 1st 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 	
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	<p>embodied designs , journal of art , design and music, Volume 8 Issue 5, 1 of January 2024</p> <ul style="list-style-type: none">• 2025 "Design and development of high-performance composite fabrics as sustainable alternatives to natural leather with enhanced abrasion resistance", volume 3 issue 5 7 june 2025	
		الجوائز

**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 1st 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
- 2025 "Design and development of high- performance composite fabrics as sustainable alternatives to natural leather with enhanced abrasion resistance", volume 3 issue 5 7 June 2025

***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.) Ebtahal 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 /7/2023

**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

Date of Birth 20 /01/ 1975
Place of Birth Cairo, Egypt
Nationality Egyptian
Address 64 hesham labib St., 8th area, Nasr City, Cairo.
Mobile 01223110541 - 01110022233
E-Mail Moh_elgawad@hotmail.com.
orcid <https://orcid.org/0000-0001-9682-9320>

**Research
points of
interest**

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