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	المؤهلات العلمية	• بكالوريوس فنون تطبيقية قسم طباعة المنسوجات والصباغة والتجهيز ٢٠١٢ جامعة حلوان. • ماجستير في الفنون التطبيقية تخصص طباعة المنسوجات والصباغة والتجهيز ٢٠١٧ جامعة حلوان. • دكتوراه الفلسفة في الفنون التطبيقية تخصص طباعة المنسوجات والصباغة والتجهيز ٢٠٢٢ جامعة حلوان.

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EDUCATIONAL BACKGROUND

2017-2022 Faculty of Applied Arts – Helwan University, Egypt

Ph.D. Applied Arts – Textile Printing, Dyeing, and Finishing

Thesis “Development of Functional Properties of Denim Fabrics”

with Prof. Dr. Nabil A. Ibrahim, Prof. Dr. Enas Mohamed Reda El-Zairy, and
Prof. Dr. Basma Mohamed Abd El-hamid Eid

2014-2017 Faculty of Applied Arts – Helwan University, Egypt

Master in Applied Arts - Textile Printing, Dyeing, and Finishing Thesis

“Functional Finishing of Linen Containing Fabrics” with Prof. Dr. Nabil A.

Ibrahim, and Prof. Dr. Enas Mohamed Reda El-Zairy

2008-2012 Faculty of Applied Arts – Helwan University, Egypt

Bachelor of Applied Arts – Textile Printing, Dyeing, and Finishing First -

Excellent Award in Project & the last year, Grade: 85.3%

RESEARCH INTEREST

Textile Materials, Textile Coloration, Functional Finishing of Textiles,
Emerging Technologies on textile Intermediated Wet Process, Nano Materials,
Plasma Technology Applications on Textiles, Textiles Water Free Technologies,
Biotechnological Textiles, Cleaner Production, Natural Materials, Sustainable
Textiles, Green Chemistry Utilization on Textiles Treatment, Fine Textiles and
luxurious materials.

TEACHING INTEREST**Applied Science:**

Organic Chemistry, Chemistry of Dyeing, Dyeing Technology, Printing
Technology, Textile Machinery, Textile Finishing, Emerging Technologies on
Textiles, and Graduation Project.

Product Design:

Computer Graphics Textile Printed designs (Pattern Design), and Color
separation on Textile Printing.

EMPLOYMENT & ACADEMIC POSITIONS

2012 –2013 Hesni Group for Textiles Firm, 10th of Ramadan City, Egypt,

Printing Engineer

2013 – 2017 Faculty of Applied Arts – Helwan University, Egypt, **Assistant**

2017 – 2022 Faculty of Applied Arts – Helwan University, Egypt, **Lecturer**

Assistant

2022 – till now Faculty of Applied Arts – Helwan University, Egypt **Lecturer**

Doctor

	COURSES TAUGHT Graduation Project I, Graduation Project II, Textile Printing Technology IV, Textile Dyeing Technology I, II, Textile Finishing Technology I, II, Computer Graphics I, II, IV, V, Textile pattern Design II, Textile Emerging Technologies, Textile Machinery I.	
	Soliman R., Barakat, Sayed M. Salah, and Shaimaa M. Ahmed. "Different Methods for Coloration and Multi-functionalization for Developing Ergonomic PET Sport Wear." Egyptian Journal of Chemistry Volume 68, Issue 8, Pages 261 – 278 - August 2025 doi 10.21608/EJCHEM.2024.335152.10775 Nabil A. Ibrahim, Enas M. El-Zairy, Soliman Barakat, “Eco- Friendly Dyeing and Functional Finishing of PET Fabric at Mild Conditions”, Egypt. J. Chem. Vol. 67, SI: M. R. Mahran, pp.945– 954 (2024). doi 10.21608/EJCHEM.2024.301241.9939 Nabil A. Ibrahim, Basma M. Eid, Enas M. El-Zairy, Soliman Barakat, “Eco-Friendly Surface Modification and Multifunctionalization of Cotton Denim Fabric”, Egypt. J. Chem. Vol. 65, No. SI:13, pp. 39 – 51 (2022). doi 10.21608/EJCHEM.2022.147161.6382 Nabil A. Ibrahim, Basma M. Eid, Enas M. El-Zairy, Soliman Barakat, “Environmentally Sound Approach for Fabrication of Antibacterial/Anti-UV/Anti-crease and Fragrant Denim Fabrics”, Egyptian Journal of Chemistry, 65, No. 5 pp. 377-389 (2022). doi 10.21608/EJCHEM.2021.103592.4792 Nabil A. Ibrahim, Basma M. Eid, Enas M. El-Zairy, Elamir Emam, Soliman Barakat, “ Environmentally sound approach for imparting antibacterial and UV-protection functionalities to linen cellulose using ascorbic acid”, International Journal of Biological . Macromolecule, 135, 89-96 (2019). https://doi.org/10.1016/j.ijbiomac.2019.05.113 N. A. Ibrahim, E. M. El-Zairy, B. M. Eid, E. Emam, S. R. Barkat, A new approach for imparting durable multifunctional properties to linen-containing fabrics, Carbohydrate Polymers, 157, 1085-1093 (2017). https://doi.org/10.1016/j.carbpol.2016.10.074	الأبحاث المنشورة
		الجوائز