

Faculty Name

Hani M. Shabana

Location

Shuwaikh Campus: Building 20, 2nd Floor, Office: S-8

Phone Number

(+965) 1806611

Email Address

hm.shabana@paaet.edu.kw

Education

PhD.	Physics, Univ. of Mansoura, Egypt (Under the channel scheme between Egypt (Univ. of Mansoura) & UK (Univ. of Reading)	1993
MSc.	Physics (Optics), Univ. of Mansoura, Egypt	1988
BSc.	Physics, Univ. of Mansoura, Egypt	1984

Academic Experience

2005 – Present	Associate Professor, CTS (PAAET), Kuwait
2006 – Present	Professor, Univ. of Mansoura, Egypt
2000 – 2005	Assistant Professor, CTS (PAAET), Kuwait
2000 – 2006	Assistant Professor, Uni. of Mansoura, Egypt
1993 – 1999	Lecturer, Uni. of Mansoura, Egypt
1988 – 1992	Assistant Lecturer, Uni. of Mansoura, Egypt
1985 – 1988	Demonstrator of Physics, Uni. of Mansoura, Egypt

Service Activities

- Reviewer in the International Journal of Thermal Sciences.
- Reviewer in the Journal of Optics & Laser Technology.

Publications

1. "The optical behaviour of PE fibers with different draw ratios", *Polymer Testing*, **8**, 201, 1989. *A. Hamza, I. M. Fouda, M. A. Kabeel and H. M. Shabana*
2. "Opto-mechanical properties of fibers 3: optical properties of nylon 66 fibers as a function of the draw ratio." *Polymer Testing*, **10**, 305, 1991. *A. Hamza, I. M. Fouda, M. A. Kabeel and H. M. Shabana*
3. "Electron microscopic observation of spinodal decomposition in blends of TMPC/PS." *Polymer*, **34**, 6, 1313, 1993. *H. M. Shabana, W. Guo, R. H. Olley and D. C. Bassett*
4. "Opto-mechanical properties of fibers 6: structural characterization and optical properties of PE fibers." *Polymer Testing*, **15**, 35, 1996. *A. Hamza, I. M. Fouda, M. A. Kabeel and H. M. Shabana*
5. "Opto-mechanical properties of fibers 7: relation between cold drawing behaviour of nylon 6 fibers from an Egyptian manufacturer and their optical properties." *Polymer Testing*, **15**, 301, 1996. *A. Hamza, I. M. Fouda, M. A. Kabeel and H. M. Shabana*
6. "On crystallization and phase separation phenomena in PEN/PHBA copolyester." *J. Macromol. Sci.-Phys.*, **B 35 (5)**, 691, 1996. *H. M. Shabana, R. H. Olley, D. C. Bassett and H-G Zachmann*
7. "Opto-mechanical properties of fibers 1: Studying optical properties and orientation of drawn polyethylene fibers." *Polymer International*, **48**, 181, 1999. *I M. Fouda and H. M. Shabana*

8. "Opto-mechanical properties of fibers 2: Effect of stretching on some optical and structural parameters of PET fibers (Woollen type)." *Polymer International*, **48**, 189, 1999. *I M. Fouda and H. M. Shabana*
9. "Opto-mechanical properties of fibers 3: Structural characterization of uniaxial orientation in drawn poly (ethylene terephthalate) by means of optical parameters." *Polymer International*, **48**, 198, 1999. *I M. Fouda and H. M. Shabana*
10. "Opto-thermal properties of fibers Xvii: Structural characterization of cold drawn boiled viscose fibers." *J. Appl. Polym. Sci.*, **72**, **9**, 1185, 1999. *I M. Fouda and H. M. Shabana*
11. "Optical and structural properties of nylon 6 fibers exposed to UV radiation." *Polym. & Polym. Comp.*, **7**, **3**, 125, 1999. *H. M. Shabana*
12. "Optical and thermal properties of fibers : Effect of boiling and stretching on some-macro-structural parameters of polyester fibers." *J. Physics: Condensed Matter*, **11**, 3371, 1999. *I M. Fouda and H. M. Shabana*
13. "Contribution of interferometry and mechanical parameters in evaluating molecular orientation for drawn polyester." *Polymer International*, **48**, 602, 1999. *I M. Fouda and H. M. Shabana*
14. "Effect of boiling and stretching on the optical and mechanical properties of polyester fibers." *Polym. & Polym. Comp.*, **7**, **5**, 333, 1999. *I M. Fouda and H. M. Shabana*
15. "Phase separation induced by crystallization in blends of polycaprolactone and polystyrene: an investigation by etching and electron microscopy." *Polymer*, **41**, 5513, 2000. *H. M. Shabana, R. H. Olley, D. C. Bassett and B.-J. Jungnickel*
16. "Optical and structural changes in perlon fibers due to different stresses." *European Polym. J.*, **36**, 823, 2000. *I M. Fouda and H. M. Shabana*
17. "Effect of thermal and mechanical processes on the molecular orientation of polyester fibers." *Polym. & Polym. Comp.*, **8**, **1**, 51, 2000. *I M. Fouda and H. M. Shabana*
18. "Skin-core structure investigation of polyethylene fibers by multiple-beam interferometry." *Polym. & Polym. Comp.*, **8**, **7**, 497, 2000. *I M. Fouda and H. M. Shabana*
19. "Macrostructural changes in thermally treated viscose fibers due to cold drawing process." *J. Appl. Polym. Sci.*, **82**, 2387, 2001. *I M. Fouda and H. M. Shabana*
20. "Reconstructing some physical characteristics due to cold drawing process for nylon 6 fibers" *Polym. Testing*, **20**, 441, 2001. *I M. Fouda and H. M. Shabana*
21. "Changes in orientation caused by uv irradiation of nylon 6 fibers." *J. Appl. Polym. Sci.*, **88**, 3202, 2003. *I M. Fouda, H. M. Shabana, F. M. El-Sharkawy.*
22. "Refractive index-structure correlation in chemically treated polyethylene terephthalate fibers." *Polym. Testing*, **23**, 291, 2004. *H. M. Shabana*
23. "Contribution of interferometry in evaluating structural parameters for drawn textile fibres." *Polym. International*, **53**, **7**, 919, 2004. *H. M. Shabana*
24. "Determination of film thickness and refractive index by interferometry." *Polym. Testing*, **23**, 695, 2004. *H. M. Shabana*
25. "Variable wavelength and incident angle techniques for refractive index and thickness measurements of fibres." Presented in the XIVth SLOVAK-CZECH-POLISH OPTICAL CONFERENCE "Wave and Quantum Aspects of

- Contemporary Optics.” D. Litwin, A. M. Sadik, **H. M. Shabana** and S. Sitarek.
26. “Optical Properties of highly birefringent polymer films using simple techniques.” *International Journal of Polymeric Materials*, **54**, No. 11, 1009, 2005. **H. M. Shabana** and A. Abdul-jaleel
 27. “The structure and properties of thermally treated polyester films.” *International Journal of Polymeric Materials*, **54**, No. 11, 1047, 2005. **H. M. Shabana**
 28. “Evaluation of solvent and thermal induced modifications in polyamide 6 fibres: an optical approach.” *J. Phys. D: Applied Phys.*, **39**, 1211, 2006. **H. M. Shabana**
 29. “The role of iodine treatment in enhancing the optical and structural properties of stretched nylon 6 fibres.” *J. Phys. D: Applied Phys.*, **39**, 2843, 2006. **H. M. Shabana**
 30. “Optical Properties of highly birefringent polymer films using simple techniques.” *International Journal of Polymeric Materials*, **54**, No. 11, 1009, 2005. **H. M. Shabana** and A. Abdul-jaleel
 31. “The structure and properties of thermally treated polyester films.” *International Journal of Polymeric Materials*, **54**, No. 11, 1047, 2005. **H. M. Shabana**
 32. “Evaluation of solvent and thermal induced modifications in polyamide 6 fibres: an optical approach.” *J. Phys. D: Applied Phys.*, **39**, 1211, 2006. **H. M. Shabana**
 33. “The role of iodine treatment in enhancing the optical and structural properties of stretched nylon 6 fibres.” *J. Phys. D: Applied Phys.*, **39**, 2843, 2006. **H. M. Shabana**
 34. “Inter-comparison of solar UVB radiation, Global radiation and UV index measurements over Kuwait.” *European International Journal of Science and Technology*, **3** No. 9 Dec., 2014.
 35. “Performance Analysis of Evacuated Tube Collector in Hot Climate.” *European International Journal of Science and Technology*, **5** No. 3 April, 2016. Adel A. Ghoneim, **Hany M. Shabana**, Mohamed S. Shaaban and Adel M. Mohammedein
 36. “Charge state distributions after sub-shells ionization in Lead atom.” *European International Journal of Science and Technology*, **5** No. 3 April, 2016. Adel M. Mohammedein, **Hany M. Shabana**, Ibrahim M. Kadad, Kandil M. Kandil, Ashraf H. El-Essawy, Asmaa M. Al-asaad and Adel A. Ghoneim
 37. “Performance Analysis of Evacuated Tube Collector in Hot Climate” *European International Journal of Science and Technology*, **5** No. 3 April, 2016. Adel A. Ghoneim, **Hany M. Shabana**, Mohamed S. Shaaban and Adel M. Mohammedein
 38. “Charge state distributions after sub-shells ionization in Lead atom.” *European International Journal of Science and Technology*, **5** No. 3 April, 2016. Adel M. Mohammedein, **Hany M. Shabana**, Ibrahim M. Kadad, Kandil M. Kandil, Ashraf H. El-Essawy, Asmaa M. Al-asaad and Adel A. Ghoneim

Last Revised: May, 2026