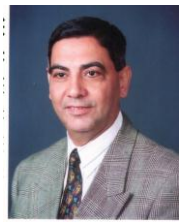
RESUME

1-Personal data:



Name	: Wagih
Surname	: Marzouk
Maiden name	: Wadie
Sex	: Male
Date of birth	: 30.10.1950
Place of birth	: Minia, Egypt
Citizenship	: Egyptian
Martial status	: Married
Number of children	: one daughter
Name	: Christen
Date of birth	: 22.11.1982
Present address	: 1) - 7, Osman street, Minia 61111, Egypt. 2) - University towers, tower D, # 22, Cornish El-Nile, Minia 61111, Egypt.
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Telephone number	: 086- 2349655 and 086-0128311141
Present job	: Professor, Head Dept. of Production Engineering & Design, Faculty of Engineering, Minia University, Minia, Egypt.
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2- **Education:**

A-College Education: (1968-1973)	B. Sc. Mechanical Eng., May 1973 from higher Industrial Institute with general grade (very good).
B- Postgraduate (1980-1982)	: M.Sc. in heat and solar energy, from Faculty of Eng. Minia University, Minia, Egypt.
(1983-1987) .	: Ph. D. in Machine Design- Tribology (Composite Materials, Technical University of Wroclaw, Poland 1987). The thesis was: Effect of fillers on polyoxymethylene sliding Properties.
C- Post Doctoral (May- Oct. 1990) (Visiting Prof.)	: 1- Peace fellowship of U.S.A (at the department of materials Science & Engineering, College of Engineering, University of Florida, Gainesville, FL, 32611 U.S.A.).
(March-Sept. 2001) (Visiting Prof.)	:2- Scholarship of Poland Government (at the department ot Tribology, Institute of Machine design, Technical University of Wroclaw, Poland).

3- **Experience :**

Post	From	To	Responsibility
a- Demonstrator	1973	1982	Machine Design, Materials Technology, Theory of machines and tribology.
b- Assistant Lecturer	1982	1987	Strength of Materials, Composite Materials and Tribology.
C- Assistant Prof.	1987	1993	Supervisor for some post-graduate Students in the previous fields.
d- Associate Prof.	1993	1999	Supervisor for some post-graduate Students in the previous fields.
e- Professor	1999	till now	Supervisor for some post-graduate Students in the previous fields.
	1999	2005	Head dept. of Mechanical and Equipment Engineering, Industrial Education College, Beni-Suef, Egypt.
	2009	till now	Head dept. of Production Engineering and Design, Faculty of engineering, Minia University, Minia, Egypt.

4-Knowledge of foreign languages:

a- English b- Polish

5-Membership:

- Member of the Egyptian Society of Mechanical Engineering since 1973.
- Member of the Egyptian Society of Mechanical Engineering since 1973.
- Member of the Egyptian Society of Tribology since 1987.
- Member of the Consultant Group of the Faculty of Eng., Minia University.
- Member of Automatic Control Group of the Faculty of Eng., Minia University.
- Member of the Production Eng. & Design Department, Minia University since 1987.
- Member of the Mechanical & Equipment Dept., Industrial Education College, Beni-Suef, Egypt since 1999.
- Supervisor of the Mechanical & Equipment Dept., Industrial Education College, Beni- Suef, Egypt since 1999.

6- Publications and Conferences:

1- "The use of agriculture wastes in solar energy". 5th Miami International Conference on Alternative Energy Sources. December 1982.

2- “Tribological investigation of anti-friction composites on the base of POM, PTFE and bronze”. The Second Conference on Plastics as Sliding Materials. Wroclaw, Poland 1986.

3- “Modification effect on tribological properties upon polymer steel combination”. The Sixth International Seminar on New development in Engine and Industrial Oils, Fuels and Additives. Misr Petroleum Company, Cairo, March 1988.

4- “Influence of misalignment on the performance of non-circular machine tool journal bearing”. The Engineering Research Bulletin No. 11, Faculty of Engineering and Technology, Helwan University, Egypt, November 1989.

5- ”Performance characteristics of asymmetric three-lobe journal bearing under elastic distortions”. PEDAC 89, Dept. of Prod. Eng., Faculty of Eng., Alexandria, Egypt 1989.

6- “Influence of elastic distortions and misalignment on the performance of three-lobe journal bearing”. The Engineering Research Bulletin, Faculty of Engineering and Technology, Helwan University, Egypt, Vol. 4, October 1990, pp. 93-104.

7- “Sliding abrasion of polycarbonate based composites at different abrasive papers”. The Engineering Research Bulletin, Faculty of Engineering and Technology, Helwan University, Egypt, Vol. 4, April 1991.

8- “Abrasive wear of glass fiber filled polycarbonate”. The Engineering Research Bulletin, Faculty of Engineering and Technology, Helwan University, Egypt, Vol. 6, October 1991.

9- “Wear mechanism of high density polyethylene against various abrasive papers”. The Engineering Research Bulletin, Faculty of Engineering and Technology, Helwan University, Egypt, Vol. 6, October 1991.

10-“The influence of turbulence on the solution of Reynolds equation for three lobe bearings”. 5th Cairo Univ. Conference on Mechanical design &Production, MDP-5, Cairo, December 28-30, 1991.

11-“Effect of motion parameters on the tribological behavior of PTFE-based Composites”. Bulletin of Faculty of Engineering, Assuit University, June 1993.

12-“Performance characteristics of a four-lobe journal bearing”. Bulletin of Faculty of Engineering, Assuit University, June 1993.

13- “Experimental investigation on temperature- time response in journal bearings”. Bulletin of Faculty of Engineering, Minia University, Egypt, Vol. 13, No. 1, June 1994.

14- “The relationship between mechanical properties and wear rate of some polymeric materials”. Bulletin of Faculty of Engineering, Minia University, Egypt, June 1996.

15- “Comparative study of multi-lobe journal bearings”. Bulletin of Faculty of Engineering, Minia University, Egypt, June 1996.

16- “Wear and friction of HDPE- recycled glass bead composite at elevated temperatures”. VI Tribological Conference, Technical University of Budapest, 6-7 June 1996, pp. 59-65.

17- “ Tribological performance of recycled glass bead filled HDPE composite”. ICCE/3 Third International Conference on Composite Engineering. New Orleans, LA, USA, July 21-26, 1996.

18-“effect of glass fiber reinforcement on the mechanical and tribological behavior of polyamide composite”. Bulletin of the faculty of Engineering, Minia University, Egypt, December 1997.
19- “The influence of polypropylene additives to lubricated oil on the wear and friction of metallic pairs at elevated temperatures”. Fifth International Conference on Production Engineering and Design Development, PEDD5. Ain Shams University, Cairo, Egypt, April 28-30, 1998.
20- “Static performance characteristics of six-pocket hydrostatic / hybrid journal bearing using orifice compensated”. Bulletin of the Faculty of Engineering, Minia University, Egypt, June 1998.
21- “Tribological behavior of short steel fibers filled epoxy resin “. Bulletin of the Faculty of Engineering, Assuit University, Egypt, July 1998.
22- “Friction behavior of polymer- polymer pairs”. Bulletin of the Faculty of Engineering, Assuit University, Egypt, January 1999.
23- “Tribological behavior of PC glass fiber composite sliding against steel surface”. Bulletin of the Faculty of Engineering, Assuit University, Egypt, January 1999.
24- “Relaxation behavior of polypropylene / carbon black composites”. Journal of Engineering Sciences, Assiut University, vol. 30- No. 1 January 2002, pp. 97-110.
25- “Dependence of tribological properties of polyoxymethylene on melt flow index”. Journal of Engineering Sciences, Assiut University, vol. 31- No. 2, April 2003.
26- Wear and friction behavior of metal powder filled epoxy coatings”. Second International Conference on Engineering Rheology, ICER 2003, Zilona Gora, Poland. August 24-27, 2003, pp. 11-18.
27- "Automatic control of hydraulic systems". Bulletin of the Faculty of Engineering, Minia University, Egypt, January 2010.
28- Friction and adhesion energy of polymer-polymer sliding combinations. XXX11 Annual Polish Tribology Conference (AUTUMNAL SCHOOL OF TRIBOLOGY 2012), Wroclaw, Kudowa Zdroj 18-21.09.2012.
29- " Mechanical behavior of aluminum powder metallurgy – ceramic fibers composites. Bulletin of the Faculty of Engineering, Minia University, Egypt, January 2013.
30- Mechanical Properties of Hot Extruded Aluminum Powder Metallurgy Ceramic Fibers composites. Bulletin of the Faculty of Engineering, Minia University, Egypt, January 2014.
31- Effect of Heat Process and Extrusion on Wear of Ceramic Fibers Reinforced Aluminum Powder Metallurgy. Bulletin of the Faculty of Engineering, Minia University, Egypt, June 2014.
32- Analytical Model for Novel Design of Five- Bar Polycentric Knee Joint. Int. Conf. on Pure and Applied Sciences, 28-30 Mar. 2015, Luxor, Egypt.
33- Investigation of the Mechanical Behavior of Novel Fiber Metal Laminates. International Journal of Mechanical Engineering EJMME- IJENS. Vol. 15 No. 03.
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34- Fracture toughness of a novel GLARE composite material. International Journal of Mechanical Engineering EJMME- IJENS. Vol. 15 No. 06, December 2015.
35- Effect of adding Nano-Fillers on the Mechanical Properties of GFRP, Bulletin of the Faculty of Engineering, Minia University, Egypt, January 2016.
36- Evaluation of fracture toughness of Epoxy/Glass fiber and its nano composites via the Essential Work of Fracture (EWF) Method. Bulletin of the Faculty of Engineering, Minia University, Egypt, January 2016.
37- Use of Five-Bar Mechanism to control Planetary Gear Trains. Bulletin of the Faculty of Engineering, Minia University, Egypt, January 2016.
38- Study Characterization of Co0.3Zn0.7Fe2O4 Nanoparticles by Co-Precipitation Method within Two Techniques. **Journal of Nanomedicine & Nanotechnology,** J. Nanomed Nanotechnol, vol.7, Issue 6, 2157-7439. 2016.
39- Effect of Calcination Process on Characterization of the $\mathbf{Co1-x\ ZnxFe2O4}$ Nano Particles by Co-precipitation Method. European Journal of Material Sciences. Vol.4, No.1, pp.1-25, April 2017.
40- Optimization of CO_2 laser Machining process for armored steel. Bulletin of the Faculty of Engineering, Minia University, January 2018, Egypt .
41- Study of laser machining process for steel X10. Bulletin of the Faculty of Engineering, Minia University, January 2018, Egypt.
42- Titanium Carbide Nanofibers-Reinforced Aluminum Compacts, a New Strategy to Enhance Mechanical Properties. Materials journal MDPI 2016, 9, 399- 413.
43- Electrospun Nanofibers Reinforced Aluminum Matrix Composites, a Trial to improve the Mechanical properties. International Journal of Advances in Materials Science and Engineering (IJAMSE) Vol.7, No.2, April 2018.
44- Essential Work of Fracture and Size Effect in Copper/ Reinforced Epoxy Laminate Composites used in MEMS Devices. American Journal of Mechanical Engineering 2017, Vol.5, No., 234-238.
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