

C.V.



1- Basic information		
Name: Madeha Kamel Mohammed Ibrahim		
2- Scientific qualifications		
1- B.S.C. degree of (Mechanical Engineering design and production), Mansoura University, 2001		
2- Master degree in production engineering, Mansoura University, Egypt.2007		
3- Ph.D. in engineering sciences (production and mechanical engineering design), Zagazig University, Egypt.2016		
3- Current position		
Lecturer in Mechanical Engineering Department, Faculty of Engineering, Suez Canal University		
4- Specialty		
Fabrication , determination of mechanical engineering properties and failure probability analysis of composite material (polymeric and natural fiber)		
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6- Scientific achievements		
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7- Published Research		
1. Mohamed M. Khairat Dawood · Abubakr Helmy Omar · Ali Ismail Shehata· Ahmed Samir Shehata ·Ahmed Abd-Elsalam Taha · Mohamed Nabil El-Shaib · Madeha Kamel Mohamed, 3E enhancement of freshwater productivity of solar still with heater, vibration, and cover cooling, Environmental Science and Pollution Research, doi.org/10.1007/s11356-022-20340-9, 2022.		
2. Marwa A Abd El-baky, Dalia A Hegazy, Mohamad A Hassan and Madeha Kamel, Potentiality of halloysite nanoclay on crashworthiness performance of polymer composite tubular elements, Journal of Composite Materials, Vol. 56(12) 1901–1919, 2022.		
3. M.A. Abd El-Baky & M. Kamel, Abrasive Wear Performance of Jute–Glass–Carbon-Reinforced Composites: Effect of Stacking Sequence and Fibers Relative Amounts, Journal of Natural Fibers, VOL. 18, NO. 2, 213–228, 2021.		
4. Abdalla M. Abdalla , Madeha Kamel, Shahzad Hossain , Abul K. Azad c, Synthesis and electrochemical characterization of La _{0.75} Sr _{0.25} Mn _{0.5} Cr _{0.5-x} Al _x O ₃ , for IT and HT-SOFCs , International Journal of Applied Ceramic Technology, DOI:10.1111/ijac.13375, accepted in August 2019.		

5. Marwa. A. Abd El-baky, Mohamed A. Attia & Madeha Kamel. Flexural fatigue and failure probability analysis of polypropylene-glass hybrid fibers reinforced epoxy composite laminates. *Plastics Rubber and Composites* 47(8):1-18, 2017.
6. A.I. Selmy, M.A. Abd El-baky, M.R. Ghazy, M. Kamel, Flexural Fatigue Performance of Glass Fiber/Epoxy Step-Wise Functionally and Non-Functionally Graded Composites of Different Structures, *International Polymer Processing*, vol. XXXII (2017) 3, pages 298-306.
7. AI Selmy, MA Abd Elbaky, MR Ghazy and M Kamel. Flexural Fatigue Behavior of Unidirectional Glass Fiber/Epoxy Composites: Number of Plies Effect. *The International Conference of Engineering Sciences and Applications*, Aswan, Egypt, January, 29 – 31, pp.348-357, 2016.
8. AI Selmy, MA Abd Elbaky, MR Ghazy and M Kamel. Izod Impact Characteristics of Glass Fiber/Epoxy Functionally and Non-Functionally Graded Composite Laminates with Statistical Analysis. *The International Conference of Engineering Sciences and Applications*, Aswan, Egypt, January, 29 – 31, pp. 333-340, 2016.
9. AI Selmy, MA Abd Elbaky, MR Ghazy and M Kamel, In-plane shear characteristics of unidirectional glass fiber/epoxy functionally graded (FG) and nonfunctionally graded (NFG) composite laminates with statistical analysis, *Journal of Composite Materials*, Vol. 49(27) 3347–3358, 2015.
10. H.S.Hedia, S.M. Aldousari, T.T.Elmidany and M. Kamel "Stress analyses around holes of plates for different types of materials." Accepted for publication in *J. Materialprüfung (Material Testing)*, An International Journal, Germany, Volume 51, Issue 11-12, PP 802-809, 2009.
11. H.S.Hedia, S.M. Aldousari, T.T.Elmidany and M. Kamel " Design Optimization of the central distance of two holes in a plate for different types of materials and laminates.." Accepted for publication in *J. Materialprüfung (Material Testing)*, An International Journal, Germany, Vol. 51, No. 6, pp. 395-399, 2009.
12. H.S.Hedia, S.M. Aldousari, T.T.Elmidany and M. Kamel "Optimization of material composition of functionally graded materials plate containing a hole using FEM" *J. METALL-Intl. Journal for Metallurgie*, Germany, 63. Jahrgang 5/2009, pp 171-173, 2009.