Curriculum Vitae

Personal Data:

Name	:	**Mostafa Saied El-Mohandes**
Position	:	**Assistant Professor**
Department	:	**Biomedical and Systems Engineering**
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Specialization:

Major: **Biomedical and Systems Engineering**

Minor: **Biomechanics – Physical Rehabilitation - Human Factors Engineering**

Academic Qualifications:

- **Ph D, 1990, Faculty of Engineering, Al-Azhar University**
  " Effect of Abnormal Environmental Conditions on Human Performance"
- **M Sc, 1985, Faculty of Engineering, Al-Azhar University**
  "Studies on the limitations and capabilities of some human body systems under abnormal conditions".
- **B Sc, 1977, Faculty of Engineering, Al-Azhar University**

Teaching Experience:

- **Engineering mechanics**
- **Machine design**
- **Thermodynamics**
- **Engineering drawings**
- **Production technology**
- **Biomechanics and physical rehabilitation devices**
- **Nanotechnology**
-

The most recent and important researches:

- M. Salaheldin, **M. Elmohandes**, N. Saleh, "Structural analysis for stairlift chair design" in the 3rd International Informatics and Software Engineering Conference, 15-16 Dec., 2022, Ankara, Turkey.
- M. E.-H. Ibrahem, M. T. El-Wakad, **M. S. El-Mohandes**, and S. A. Sami, "Implementation and evaluation of a dynamic neck brace rehabilitation device prototype," Journal of Healthcare Engineering, vol. 2022, pp. 1–12, Oct. 2022, https://doi.org/10.1155/2022/6887839
- M. E. -H. Ibrahem, **M. S. El- Mohandes**, M. T. El-Wakad and S. A. Sami, "Design and Analysis of a Dynamic Neck Brace," 2021 3rd Novel Intelligent and Leading Emerging Sciences Conference (NILES), 2021, pp. 236-240, Doi: 10.1109/NILES53778.2021.9600507.
- Ibrahem M E, **El-Mohandes MS**, El-Wakad MT, Sami SA, Design and Analysis of a Dynamic Neck Brace, Proceedings of NILES: 3rd Novel Intelligent and Leading Emerging Sciences Conference, 2021

- Kandil H, **El-Mohandes MS**, Ibrahem ME, Finite Element Based Model for the Assessment of a Prosthetic Foot Stiffness. Journal of Engineering and applied science, Faculty of Engineering, Cairo Univ. Vol. 62, No. 3, Jun. 2015.
- Abdelrazek W, **El-Mohandes MS**, Heider A, Eldakroury A, Measurement of Forces generated by Lingual Fixed Retainers, Egyptian Dental Journal, Vol. 61, No. 4, 2015.
- **El-Mohandes MS**, Ibrahem ME, Stiffness Analyses of Modified Niagara Prosthetic Feet Using Finite Element Modelling. (978-1-4799-4412-5/14/$31.00 © 2014 IEEE)
- **El-Mohandes MS**, Effect of the S-Shape Thickness Variation on the Stiffness of The Niagara Foot. Al-Azhar Engineering Thirteenth International Conference Proceeding, (AEIC 2014)