



أولا / بيانات عضو هيئة التدريس

الاسم الاول	فوقيه	الاسم الاوسط	رمضان	اسم العائلة	جمعه
Given name	Fawkia	Middle name	Ramadan	Family name	Gomaa
تاريخ الميلاد	3/3/1954	سنة اخر درجة وظيفه	2014	الوظيفة الحاليه	أستاذ
				التخصص	ديناميكا الماكينات والانشاءات

ثانيا / بيانات الشهادات العلميه

سنة الحصول علي درجة البكالوريوس	١٩٧٧	التقدير	امتياز
عنوان رسالة الماجستير	Optimum Engineering and Economic Selection of Rot		
عنوان رسالة الدكتوراه	Investigation on some agro-Hydraulic high pressurized		
التخصص العام للدكتوراه	Machine Design		
الجامعة التي منحت الدكتوراه	جامعة المنوفيه		
مكان الحصول عليها	جامعة المنوفيه		
السنة	١٩٩٠		
Machine Design and Applied Mechanics	Machine Design		
التخصص الدقيق	Machine Design		

ثالثا / بيانات العنوان

العنوان	Abd -EL Rahhman EL Sharkawy street shebin EL Kom Egypt
الهاتف	0020482085026
الموبايل	01006601491
البريد الالكتروني	Fawkiagomaa@yahoo.com

آخر خمسة ابحاث علميه:-

- 1- **MACHINE HEALTH MONITORING USING VIBRATION ANALYSIS**-*Proceedings of the 18 DV 17 th Int. AMME Conference, 3-5 April, 2018*
- 2-- **BEARING'S EARLY FAULT DETECTION USING VIBRATION ANALYSIS** *Proceedings of the 18 DV 17 th Int. AMME Conference, 3-5 April, 2018*
- 3- **Estimation of Milling Stability Lobes Through Operational Modal Analysis for Composite Materials** *International Journal of Advanced Engineering and Global Technology I Vol-04, Issue-05, September 2016*
- 4- **Stability Lobe Diagram of End Milling for Composites Using Semi Discretization Method** *International Journal of Advanced Engineering and Global Technology I Vol-04, Issue-06, November 2016*
- 5-Review Article
Fault Diagnosis of Rotating Machinery based on vibration analysis *International Journal of Advanced Engineering and Global Technology Vol-04, Issue-01, January 2016*
- 6- **MACHINE HEALTH MONITORING USING VIBRATION ANALYSIS** *18th International Conference 3-5 April 2018 on Applied Mechanics and Mechanical Engineering.*
- 7- **BEARING'S EARLY FAULT DETECTION USING VIBRATION ANALYSIS** *18th International Conference 3-5 April 2018 on Applied Mechanics and Mechanical Engineering.*
- 8- **Early Fault Detection by Vibration Measurement** *International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958 (Online), Volume-10 Issue-5, June 2021*
- 9 - - **Review Article Parallel Robot** *Journal of Engineering SCIENCE AND TECHNOLOGY 20 December 2021 Q3 International JOURNAL*

10- Study dynamic Characteristics of milling tool holder by Experimental and Theoretical work International Journal OF Engineering and Technology (IJERT)) ISSN: 2278-0181 Volum11 Issue- 1January-2022

11 Assessment of parallel Robot Dynamic characteristics using Experimental modal analysis and Finite Elements.1 St
Conference in Technological University Education and its role in INDUSTRY, energy and Environmental
Conservation Delta Technological University 15-16 MAY 2022.

آخر خمسة رسائل علميه تم الاشراف عليها:-

1-

**1- Ph.D. 2011 “ “Engineering studies on handling for some agricultural products” Menoufia
University, Faculty of agricultural *Agric. Eng. Dept.*,**

**2-ph.D.2012 Dynamic behavior of steel structures, Menoufia University ,Faculty of Engineering Production
Engineering Mechanical Design Department**

3-M.Sc. 2014 Studying and application of computer Aid design in machine tool design .

4- M.Sc. 2014 Early fault detection in bearing based on vibration analysis .

5-ph.D. 2018 A Study of Milling process Stability of Composite Materials .

6-M.SC 2021 Machine Health monitoring using practical vibration analysis.

7-M.sc 2021 Fault Diagnosis in Rotating Systems Based on Vibration Analysis.

8-M.SC 2021	Early Fault Detection by Vibration measurement.	
Ph.D. 2022	Investigation the Dynamic Characteristics of Parallel Robotic Machine Tools.	
M.sc 2022	Assessment of Dynamic Characteristics of Milling Tool Holder.	

مجالات الاهتمام العلمي:-

Machinery Dynamics &Diagnosis



CS CamScanner

Specifically it includes:-

- 1- Experimental modal analysis techniques
- 2- Operational modal analysis.
- 3- Damage sensitivity features.
- 4- Structure failure and material identifying.
- 5- Machine health monitoring

- 6- Crack detection.
 - 7- Composite material.
 - 8- Damping Measurements.
 - 9- Fault detection on-line
 - 10- Damping measurements under fatigue stress.
- Teaching Undergraduate and Graduate courses
 - [Machine dynamics (Structural dynamics ,
 - Advanced Maintenance (Predictive/Preventive),
 - Design of mechatronic components (Hydraulic and Pneumatic equipment's).

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اماكن الاعارات او الانتدابات:- لا يوجد