Curriculum Vitae

Personal Information

Name : Fakhir Aziz Rasul Rozhbiany
Place of Birth: Erbil City/Iraq
Nationality : Iraqi
General Specialization: Mechanical and Mechatronics Engineering
Specific Specialization: Composite Materials

Educational Qualifications

- 2015-2020, PhD. in Mechanical Engineering, College of Engineering, Salahaddin University-Erbil (Ranked 1st Among Students of the Class).

Courses Teaching

1. Composite Materials.
2. Engineering Mechanics Statics.
3. Engineering Mechanics Dynamics.
4. Internal Combustion Engines.
5. Heat Transfer.
6. Fluid Mechanics.
7. Mathematics I.
8. Mathematics II.
9. Finite Element Method.
10. Strength of Materials.
11. Engineering Drawing.
12. Mechanical and Machine Drawing.
13. Theory of Machines,
14. Industrial Engineering and Management.
15. Engineering Economics.
16. Manufacturing Processes.

Published Researches

1. Safeen Y. Kasab and **Fakhir Aziz Rasul Rozhbiany**, "Study of Influence of Cutting Force on Surface Roughness in Turning Operation", 6th Jordanian International Mechanical Engineering Conference (JIMEC'6) 22-24 October 2007, Amman – Jordan.
2. Safeen Y. Kasab and **Fakhir Aziz Rasul Rozhbiany**, "Effect of cutting Parameters on Tool temperature Rise in turning operation", Zanko Journal of Pure and Science, 2008, Vol. 20, No. 1.
3. **Fakhir Aziz Rasul Rozhbiany**, "Influence of Air–Fuel Ratio on Exhaust Gas Temperature, Mean Effective Pressure and Thermal Efficiency of Spark Ignition Engines", Zanko Journal of Pure and Science, 2009, Vol. 21, No. 5.
4. **Fakhir Aziz Rasul Rozhbiany** and Shawnim Rashied Jalal, "Reinforcement and Processing on the Machinability and Mechanical Properties of Aluminum Matrix Composites", Journal of Materials Research and Technology, 2019, 8(5), 4766–4777. (Impact Factor = 6.267), (Thomson Reuters ,Science Direct and Elsevier).
5. **Fakhir Aziz Rasul Rozhbiany** and Shawnim Rashied Jalal, "The Effectiveness of Reinforcement and Processing on Mechanical Properties, Wear Behavior and Damping Response of Aluminum Matrix Composites" High Temperature Materials and Processes Journal, 2019, 38:927–939. (Impact Factor = 1.121), (Thomson Reuters and De Gruyter).
6. **Fakhir Aziz Rasul Rozhbiany** and Shawnim Rashied Jalal, "Influence of Reinforcement and Processing on Aluminum Matrix Composites Modified by Stir Casting Route" Composites and Advanced Materials Journal, 2019, 28:1–8. (Impact Factor = 1.673), (Thomson Reuters and SAGE).

Experience Acquired

Languages& Skills

Kurdish, English and Arabic.
IELTS & Computer Programs.

Software Applications

- Microsoft Office.
- Auto CAD.
- ANSYS.
- MATLAB.
- ABAQUS.

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