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Specialization:	Thermal Engineering
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Education:	PhD. Mechanical Engineering
Teaching Experience:	Undergraduate courses 1- Thermodynamics I,II 2- Heat Transfer 3- Refrigeration and Air conditioning
	Postgraduate courses 1- Advanced Heat and Mass Transfer. 2- Industrial Ventilation and Smoke Management. 3- Central air conditioning system design and operation.
Research Interests:	Solar Energy- Refrigeration and Air conditioning- Exergy analysis- Desiccant cooling; Dehumidification; Energy saving
Honors and Awards:	
Grants:	
Google Scholar:	https://scholar.google.com.eg/citations?user=lib7a7kAAAAJ&hl=ar
Academic Activities & Committees:	Postgraduate advisor for heat branch, Mechanical Dept.
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دكتوراة في الهندسة الميكانيكية	المؤهلات الدر اسية:
Undergraduate courses 4- Thermodynamics I,II 5- Heat Transfer 6- Refrigeration and Air conditioning Postgraduate courses 4- Advanced Heat and Mass Transfer. 5- Industrial Ventilation and Smoke Management.	الخبرات التدريسية:
6- Central air conditioning system design and operation.	
Solar Energy- Refrigeration and Air conditioning- Exergy analysis- Desiccant cooling; Dehumidification; Energy saving	الأبحاث:
	الجوائز:
	المنح:
المرشد الاكاديمي لشعبة الحرارة	المهام الأكاديمية:
	الموقع الشخصي: