

**ACADEMIC
CURRICULUM VITAE**

1. Name - Surname: Lida Ebrahimi Vafaei

2. Title: Assist.Prof. Dr

3. Educational Background: Dr

Degree	Department/Program	University	Year
Bachelor's	Physics Engineering	Haccettepe	1991
Master's	Physics	Eastern Mediterranean University	1993
PhD	Institute of Energy-Mechanics	Ege	2002

4. Master's / PhD Thesis

4.1. Master's Thesis Title and Thesis Advisor(s):

The Measurement of Global Solar Insolation by Silicon Solar Cells in Famagusta, Prof. Dr.Remzi Engin

4.2. PhD Thesis /Medical Specialty Thesis Title and Advisor(s):

Application of solar transparent insulation materials on the buildings, Prof. Dr.Necdet Özbalta

5. Academic Titles:

Date of Assistant Professorship: 8.09.2004

Date of Associate Proferssorship:

Date of Professorship:

6. Supervised Master's and PhD Theses:

6.1. Master's Theses

-Investigation and analysis of thermal efficiency of heat insulation materials,...

-Building integrated photovoltaic solar cells for small roof tiles

-Thermal performances of water and heat insulation materials for walls: A case study in North Cyprus

-Application of PV for Electricity Generation in Tajoura Heart Hospital ICU-Libya & Applied at Near East Hospital

-Effective Energy Conversion Design for an Electric Vehicle Integrating Solar Energy with an Effective Braking System: A Case Study in Nicosia

-CONCEPT OF SOLAR POWERED ELECTRICAL VEHICLE CHARGING STATIONS- Natasha HEMED

-Efficient Energy Conversion Design for an Electric Vehicle integrating Solar Energy(PV) and an Effective Braking System." OTEPOLA Adeleye Adeoluwa ,....
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6.2. PhD Theses

Experimental analysis of transparent insulation material using nonmetallic honeycomb and comparing without in Turkish Republic of North Cyprus

7. Publications

7.1. Articles Published in International Peer-Reviewed Journals (SCI,SSCI, AHCI, ESCI, Scopus)

A comparative survey of the energy performances of dwellings across Cyprus
A Evcil, LE Vafaei
Energy and Buildings 148, 15-22

-An extendable soft-switched high step-up converter with near zero-ripple input current suitable for fuel cell-powered applications received: 7 May 2022 Revised: 19 July 2022 Accepted: 8 August 2022 IET Renewable Power Generation DOI: 10.1049/rpg2.12580

7.2. Articles Published in Other International Peer-Reviewed Journals

-Lida Ebrahimi Vafaei¹ and Melike Sah².Predicting efficiency of flat-plate solar collector using a fuzzy inference system", 9th International Conference on Theory and Application of Soft Computing, Computing with Words and Perception, ICSCCW 2017, 22-23 August 2017, Budapest, Hungary. Book Series: Procedia Computer Science , Volume:120, Pages:221-228,**2017**.

-Lida Ebrahimi Vafaei¹ and Melike Sah² "Predicting fresh water of single slope solar still using a fuzzy inference system"13th International Conference on Theory and Application of Fuzzy Systems and Soft Computing, (ICAFS- 2018), held in Warsaw, Poland on August 27-28, 2018 .DOI.10.1007/978-3-030-04164-9=46

-A comparative survey of the energy performances of dwellings across Cyprus
A Evcil, LE Vafaei
Energy and Buildings 148, 15-22

-Survey of Energy Systems in Nicosia, TRNC
LE Vafaei
2019 3rd International Symposium on Multidisciplinary Studies and Innovation

-Lida Ebrahimi Vafaei,Experiments on Glass to determine the best glass bass on comfort in Cyprus weather. Published in 2019 3rd. DOI. 10.1109/ISMSIT.2019.8932832.

-Application of PV for Electricity Generation in Tajoura Heart Hospital ICU-Libya & Applied at Near East Hospital

AAAB Amira, LE Vafaei

2020 4th International Symposium on Multidisciplinary Studies and Innovative ...-Roof application of solar cells angularly and aesthetically

Published in: 2021 5th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT)

DOI: 10.1109/ISMSIT52890.2021.9604590

Publisher: IEEE

-The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), 2022 Volume 21, Pages 96-109 IConTES 2022: International Conference on Technology, Engineering, and Science Comparison of Transparent Insulated and Non-Insulated Solar Cell Lida EBRAHIMI-VAFAEI

-Investigation of Maximum Power for Tracking Photovoltaic System Fotovoltaik Sistem Takibi İçin Maksimum Gücün İncelenmesi,2022

-An extendable soft-switched high step-up converter with near zero-ripple input current suitable for fuel cell-powered applications. Received: 7 May 2022 Revised: 19 July 2022 Accepted: 8 August 2022 IET Renewable Power Generation DOI: 10.1049/rpg2.12580

-Performance and Analysis of Thermal Energy on Solar Reflector Cooker - Application of an Alternative Source of Energy in Cyprus
The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), 2022 Volume 21, Pages 396-403

-Development of a Novel Multi-Modal Contextual Fusion Model for Early Detection of Varicella Zoster Virus Skin Lesions in Human Subjects, [Processes, 2023 - mdpi.com](https://www.mdpi.com)

-Experimental Prediction of glass temperatures using fuzzy inference system
L Ebrahimi-Vafaei, AA Otepola - 2023 Innovations in Intelligent ..., 2023 - ieeexplore.ieee.org

-Effective Energy Conversion Design for an Electric Vehicle Integrating Solar Energy with an Effective Braking System: A Case Study in Nicosia

7.3. Papers Presented at International Scientific Conferences and Published in Conference Proceedings

7.4. National/international Books or Book Chapters

7.5. Articles Published in National Peer-Reviewed Journals

8. Art and Design Activities

9. Projects

- Application of transparent insulation
- KKTC Su temin projesi
- Green hospitals, rooftop Gardening, and using solar systems for TRNC Flag
- Application of thermal glass over the roof
- Determination of thermal conductivity of brick
- Design and production of wind car
- Solar charging station

10. Administrative Responsibilities

Advisor for students, vice of the head of the department

11. Memberships in Scientific and Professional Organizations

12. Awards

13. Undergraduate and Graduate Courses Taught in the Last Two Years

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2021 – 2022 Fall	EETT101	Elektro teknik	3		6
	EET221	Household Appliances	3		5
	EETT310	EETT310 Yenilenebilir Enerji Kaynakları	3		8
	MCT301	Mechatronics Components and Instrumentation	3		10
	MCT420	Principles of Photovoltaics, Fuel Cells and Batteries	3		5
	MCT421	Principles of sensors and condition monitoring for machine	3		5
	TBI 101	Teknolojinin Bilimsel ilkeleri	3		5
2021 – 2022 Spring	MCT520	MCT520 advanced photovoltage,fuel cell and batteries	3		3
	MCT420	Principles of Photovoltaics, Fuel Cells and Batteries	3		16
	ELE496	Güneş enerji ile elektrik üretimi	3		19
	EE496	solar energy and system	3		46
	EETT220	Ölçme Tekniği	3		4
	EET221	HOUSEHOLD APPLICATION	3		7
	Dönem	Dersin Adı	Haftalık Saati Teorik		Öğrenci Sayısı
2022-2023 FALL	ELE497	Rüzgar enerjisi ile elektrik üretimi C	3		7
	MCT420	Principles of Photovoltaics, Fuel Cells and Batteries MCT421 Principles of sensors and condition monitoring for machine	3		4

	MCT421	1 Principles of sensors and condition monitoring for machine	3		8
	MCT301	Mechatronics Components and Instrumentation	3		7
	EETT101		3		18
	TBI101	Teknolojinin Bilimsel ilkeleri	3		10
	EETT221	Ev cihazları	3		7
			3		3
2022-2023 Spring	MCT100	MCT100 introduction to mechatronics engineering	3		
	OTO491	Mühendislik tasarımı	3		15
	OTO492	Mühendislik tasarımı II			2
	MCT102	Mechatronics workshop practice	3		2
	MCT301	Mechatronics components & instrumentation	3		20
	MCT420	Principles of photovoltaics fuel cells and batteries	3		10
	OTO316	Araç parça ve gövde tasarımı	3		7
	Mct421	Principles of sensors and condition monitoring for machine			14