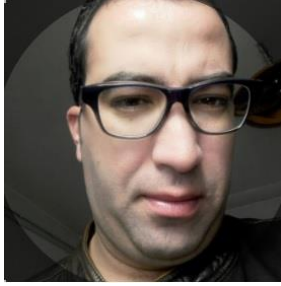


د. طاهر صالح معط الله

استاذ مساعد



المعلومات الشخصية

الجنسية | تونسية

تاريخ الميلاد | 1985-02-05

القسم | هندسة الطاقة والميكانيكا

البريد الجامعي الرسمي | tmaatallah@iau.edu.sa

- ✦ University Profile: https://www.iau.edu.sa/en/colleges/college-of-engineering/faculty/dr-Taher-maatallah?search_api_views_fulltext=&page=4
- ✦ LinkedIn: <https://www.linkedin.com/in/taher-maatallah-13539854>
- ✦ Google Scholar: <https://scholar.google.com/citations?user=QQJrOnsAAAAJ&hl=en>
- ✦ Research Gate: <https://www.researchgate.net/profile/Taher-Maatallah/publications>

المهارات اللغوية

اللغة	قراءة	كتابة	تحدث
العربية	x	x	x
الانجليزية	x	x	x
الفرنسية	x	x	x
الالمانية	x	x	x

المؤهلات العلمية والشهادات (بدءا من الأحدث)

التاريخ	الشهادة الأكاديمية	مكان الصدور	العنوان
2015	Ph.D. Energy engineering	University of Monastir	National School of Engineering (ENIM), University of Monastir (UM). Street Ibn Jazzar-Al-Omrane, Monsatir, 5000
2009	M Sc. Energy engineering	University of Monastir	National School of Engineering (ENIM), University of Monastir (UM). Street Ibn Jazzar-Al-Omrane, Monsatir, 5000
2008	B.E. Energy Engineering	University of Monastir	National School of Engineering (ENIM), University of Monastir (UM). Street Ibn Jazzar-Al-Omrane, Monsatir, 5000

عنوان بحث كل من الدكتوراة والماجستير والهندسة

Etude et optimisation des systèmes énergétiques hybrides	الدكتوراة
ETUDE DES SYSTEMES HYBRIDES EOLIEN/SOLAIRE POUR LA PRODUCTION DE L'ELECTRICITE	الماجستير
ETUDE D'UN SYSTEME HYBRIDE POUR LA PRODUCTION D'ELECTRICITE ET/OU DE L'EAU	الهندسة

السجل المهني (بدء من الأحدث)

التاريخ	مكان وعنوان جهة العمل	رتبة الوظيفة
08-02-2018→Present	Department of Mechanical and Energy Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia	Assistant Professor
28-09-2015→12-12-2017	Department of Energy Engineering, National Engineering School of Monastir (ENIM), University of Monastir (UM)	Assistant Professor
15-09-2012→27-09-2015	Department of Energy, Higher Institute of Sciences and Technologies of Energy (ISSTEG), University of Gafsa (UG)	Assistant
22-09-2009→14-09-2012	Department of Energy, Higher Institute of Sciences and Technologies of Energy (ISSTEG), University of Gafsa (UG)	Teacher Assistant

المناصب الإدارية (بدء من الأحدث)

التاريخ	المكتب	المنصب الإداري
2015-2017	REMENA Office in the Energy department in collaboration with Kassel and Cairo universities	Coordinator of international Master Science Program (REMENA)
2016	Scientific Council	Member in the university of Monastir Scientific Council
2011-2013	Tempus Qualicert	Internation expert of external universities evaluation

الإنجازات العلمية

الأبحاث العلمية المنشورة (بالتسلسل الزمني بدء من الأحدث)

جهة النشر وتاريخ النشر	عنوان البحث	أسماء الباحثين	#
International Journal of Energy Reserach October 2020 ,08	A comprehensive study of Pin Fins cooling channel for a single cell Concentration Photovoltaic system under Ultra-High concentration ratios.	Maatallah T.S	1



International Journal of Energy Reserach July 2020. ,17	Environmental and economic analysis of a PV assisted mixed mode greenhouse solar dryer with thermal energy storage and exhaust air recirculation.	Richu Z., Maatallah TS and Anish M.	2
International Journal of Energy Reserach July 2020. ,9	Optimization and feasibility analysis of a microscale pin-fins heat sink of an ultrahigh concentrating photovoltaic system.	,AlFalah G , Maatallah TS Al- ,Alzahrani M Amri FG	3
International Journal of Energy Reserach October 2019. ,4	and ,modeling ,Design optimization of a dual reflector parabolic trough concentration system	Rihab , Maatallah TS Ammar	4
,Solar Energy 17 September 2019	Exergo-economic analysis of a serpentine flow type water based photovoltaic thermal system with phase change material (PVT-PCM/water)	Richu , Maatallah TS and ,Zachariah Ghallab F	5
,Solar Energy 1 February 2019	Simulation and performance analysis of concentrating photovoltaic/thermal collector (CPV/T) with three-sided thermal insulation based on coupled optothermal model	Ben , Maatallah TS Youssef W	6
Solar Energy May 2019 ,14	Modeling and optimization of a solar system based on concentrating photovoltaic/thermal collector	,Wafa Ben Youssef , Maatallah TS ,Christophe Menezo Sassi Ben Nasrallah	7
,Solar Energy 22 November 2017	Assessment viability of a concentrating photovoltaic/thermal-energy cogeneration system (CPV/T) with storage for a textile industry application	,Ben Youssef W , Maatallah TS Ben ,Menizo C Nasrallah S	8



Renewable Energy October 2017 ,11	A novel solar concentrating system based on a fixed cylindrical reflector and tracking receiver	, Maatallah TS ,Houcine Ahlem ,Souheil El Alimi Sassi Ben Nasrallah	9
International Journal of Control Theory ,and Applications 4 October 2017	The Performance Study of Parabolic Trough Concentrator Using a New RT3D-4R Method	,Houcine A El , Maatallah TS Alimi S and Ben Nasrallah S	10
Sustainable Cities and Society September 2017 ,14	Optical modeling and investigation of sun tracking parabolic trough solar collector basing on Ray Tracing 3Dimensions-4Rays	,Houcine A El , Maatallah TS Alimi S and Ben Nasrallah S	11
Renewable and Sustainable Energy Reviews June 2016 ,5	Assessment of economic viability for hybrid energy system (PV/wind/ diesel) with storage in ,the northernmost city in Africa Tunisia ,Bizerte	, Maatallah TS ,Nahed Ghodhbane Sassi Ben Nasrallah	12
Renewable and Sustainable Energy Reviews September 2014 ,19	Break-even analysis and optimization of a stand-alone hybrid system with battery storage for residential load consumption-A case study El	Maatallah ,Alimi S Ben Nassrallah S , TS	13
Renewable and Sustainable Energy Reviews December 2013 ,9	Experimental assessment of the solar energy potential in the gulf Tunisia. ,of Tunis	,El Ouderni AR El , Maatallah TS Ben ,Alimi S Nassrallah S	14
Sustainable Cities and Society February 2013 ,8	Wind power assessment and evaluation of electricity ,generation in the Gulf of Tunis Tunisia	El , Maatallah TS Dahmouni ,Alimi S Ben Nassrallah ,AW S	15
Renewable and Sustainable Energy Reviews October 2012 ,11	Modeling and investigation of the wind resource in the gulf of Tunisia ,Tunis	,El Alimi S , Maatallah TS Ben ,Dahmouni AW Nassrallah S	16
Sustainable Cities and Society April 2012 ,20	Experimental assessment of the solar energy potential in the gulf Tunisia ,of Tunis	El , Maatallah TS El ,Ouderni AR Ben ,Alimi S Nassrallah S	17



Renewable and Sustainable Energy Reviews October 2011 ,11	Performance modeling and single and ,investigation of fixed dual axis tracking photovoltaic Tunisia ,panel in Monastir city	Renewable and Sustainable Energy Reviews	18
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الأبحاث العلمية المقدمة لتحكيم المؤتمرات العلمية المتخصصة

المؤتمر وتاريخ النشر	عنوان البحث	أسماء الباحثين	#
International Congress on Energetic and Environment October ,(Systems (IEES-2017 2017	Numerical and economic investigation of a parabolic trough linear CPVT system	,Wafa Ben Youssef Sassi , Maatallah TS Ben Nasrallah	1
18èmes Journées Internationales de Thermique JITH 2017 July 2017 ,Stockage et conversion	The Performance Study of Parabolic Trough Concentrator Using a New RT3D-4R Method	,Houcine Ahlem , Maatallah TS ,Souheil El Alimi Sassi Ben Nasrallah	2
18èmes Journées Internationales de Thermique JITH 2017 July 2017 ,Stockage et conversion	Numerical study of a Parabolic Trough Photovoltaic/Thermal Collectors (CPV/T)	,Wafa Ben Youssef Sassi , Maatallah TS Ben Nasrallah	3
3 rd International Conference on Green Energy and Environmental April ,Engineering GEEE-2016 2016	The performance study of parabolic trough concentrator using a new RT3D-4R method	,Houcine Ahlem , Maatallah TS ,Souheil El Alimi Sassi Ben Nasrallah	4
9th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, HEFAT2012, Malta 16 - 18 July	Modeling and Investigation of the wind resources in the Tunisia ,gulf of Tunis	Ahmed Ridha El Taher ,Ouderni Sassi , , Maatallah Ben Nasrallah	5



الأبحاث الحالية

تاريخ البحث	عنوان البحث	أسماء الباحثين	#
Project Number: 2020-055-Eng, Approved and In progress - Start date 1st April 2020	Innovative Technique for Achieving Uniform Temperatures across Solar Panels Using Heat Pipes and Liquid Immersion Cooling in the Harsh Climate in the Kingdom of Saudi Arabia," DSR Project	P.I.: Fahad Ghallab Al-Amri CO: Maatallah TS CO: Sajid Khan	1
In progress- Start date 12 June 2020	Development and implementation of a novel active cooled-PV system driving Air Gap membrane Desalination (AGMD)" Approved DSR project	P.I.: Fahad Ghallab Al-Amri CO: Maatallah TS CO: Sajid Khan CO: Umar Seddiki CO: Tapas Malik, Exeeter-UK	2

المساهمات في المؤتمرات والندوات العلمية

مجال المساهمة	المكان والتاريخ	عنوان المؤتمر	#
Participation	A13 ,14-15 ,January 2019	Energy Management Conference	1
Organization	April 2018 ,8-9 ,A13	First exhibition and forum for solar and wind energy	2

العضويات واللجان المشارك فيها

أنشطة التدريس

الجامعية

مجال المساهمة	رقم المقرر	المقرر	#
Instructor	ENG-321	Fluid Mechanics	1
Instructor	MN-ENR2	Numerical Computational Methods	2
Instructor	ENRG-406	Renewable Energy	3
Instructor	ENRG-557	Solar Power design systems	4
Instructor	ENRG-413	Desalination	5
Instructor	CA-ENRG1	Air Conditioning	6
Instructor	MNAHT-MEC_N3	Computational Fluid Dynamics applied to heat transfer	7
Instructor	MNAMF-MEC_N3	Computational Fluid Dynamics applied to Fluid Mechanics	8



الدراسات العليا

مجال المساهمة	رقم المقرر	المقرر	#
Instructor	BE-MA1	Bioenergy	1
Instructor	ECM-MA1	Energy certification and management	2
Instructor	EA-MA1	Energy Audits	3

الإرشاد الأكاديمي للطلاب

#	المرحلة	عدد الطلاب	من	إلى
1	Under-graduate students	60	10-02-2018	Present

الإشراف على رسائل الماجستير والدكتوراة

#	الشهادة العلمية	العنوان	الجهة	التاريخ
1	Ph.D	Study and optimization of concentrating photovoltaic thermal systems»	National Engineering School of Monastir (ENIM), University of Monastir (UM)	Date of defense: 23, July 2020.
2	Ph.D	Contribution to the solar thermal concentrators	National Engineering School of Monastir (ENIM), University of Monastir (UM)	Date of defense: 2, December 2017.
3	MSc	Thermal modeling of a symmetric Greenhouse sun dryer derived by a parabolic trough concentrator	Faculty of Sciences of Monastir (FSM), University of Monastir (UM)	Date of defense: 22, December 2017.
4	MSc	Study and exergetic optimization of an asymmetrical Greenhouse sun dryer	Faculty of Sciences of Monastir (FSM), University of Monastir (UM)	Date of defense: 24, December 2017
5	MSc	Energy and efficiency audits of White rooms	Institute of Higher Sciences and Technologies of Energy (ISSTEG), University of Gafsa (UM)	Date of defense: 20, June 2014.

المهام الإدارية واللجان وخدمة المجتمع (بداء من الأحدث)
عضوية اللجان

#	من	إلى	المنصب	الجهة
1	Member	Standing ,committee 2019-present	University Senior IAU,, Design Project	IAU ,College of Engineering
2	Member	Standing ,committee 2019-present	College of Engineering Senior Design Project	IAU ,College of Engineering
3	Member	Standing ,committee 2019-present	University Professional Exams for Engineering training committee	IAU ,College of Engineering
4	Member	Standing ,committee 2019-present	College of Engineering Professional Exams for Engineering training committee	IAU ,College of Engineering
5	Member	Standing ,committee 2018-2019	College Engineering Students activities committee	IAU ,College of Engineering
6	Member	Standing ,committee 2019-present	Departmental Engineering Students activities committee	IAU ,College of Engineering
7	Member	Standing ,committee 2019-present	University Higher research studies committee	IAU ,College of Engineering

الكفاءات والمهارات الشخصية (الحاسب, تقنية المعلومات, التقنية .. الخ)

Programming: Fortran, Matlab, Python, EES	1
Simulation applied to Renewable technologies: Ansys, Comsol, Hybrid 2, HOMER, Retscreen, Pvsyst, Soltrace, ASPE, HELIOSCOPE	2
Simulation applied to building audits: HAP, Carrier, REVIT	3
Drawing: Solidworks, AUTOCAD	4

آخر تحديث 29/01/2021