



ΦΟΡΕΑΣ ΔΙΑΣΦΑΛΙΣΗΣ ΚΑΙ ΠΙΣΤΟΠΟΙΗΣΗΣ ΤΗΣ ΠΟΙΟΤΗΤΑΣ ΤΗΣ ΑΝΩΤΕΡΗΣ ΕΚΠΑΙΔΕΥΣΗΣ
CYPRUS AGENCY OF QUALITY ASSURANCE AND ACCREDITATION IN HIGHER EDUCATION



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PHILIPS UNIVERSITY

ROSA CHRISTODOULAKI

Associate Professor



Academic Personnel Short Profile / Short CV

University:	PHILIPS UNIVERSITY
Surname:	CHRISTODOULAKI
Name:	ROSA
Rank/Position:	Associate Professor
Faculty:	Education and Sciences
Department:	Social Behaviour and Sciences
Scientific Domain: *	Renewable Technologies

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Post-PhD	2017	National Technical University of Athens	School of Mechanical Engineering	
PhD	2015	National Technical University of Athens	School of Mechanical Engineering	
MSc	2006	University College London	Bartlett School of Architecture	
BSc	2005	National Kapodistrian University of Athens	BSc Physics	



Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
09/2024	----	Philips University	Nicosia, Cyprus	Associate Professor
01/09/2022	30/06/2023	Ministry of Education and Religious Affairs, Department of Secondary Education in East Attica	EPAL Vocational High School in Rafina, Greece	High School Teacher in Physical Sciences
01/01/2017	today	Centre For Renewable Energy Sources & Savings	Pikermi, Athens, Greece	Senior Researcher
01/10/2008	01/08/2015	National Technical University of Athens	Zografou, Athens, Greece	Senior Researcher

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2021	On the optical performance of a spherical Stationary Reflector / Tracking Absorber solar collector	R. Christodoulaki, P. Tsekouras, Koronaki I.	International Journal of Sustainable Energy		
2	2021	Integration of a parabolic-trough solar field with solid-solid latent storage in an industrial process with different temperature levels	M. Biencinto, R. Bayóna, L. González, R. Christodoulaki, E. Rojas	Journal of Applied Thermal Engineering		
3	2021	Performance Simulation and Monitoring Methodology of a Solar Cooling Installation in Aqaba, Jordan	R. Christodoulaki, V. Drosou and C. Perakis	Solar World Congress		
4	2020	Dimensioning tool for the balance of plant of solar heat for industrial processes systems	R. Christodoulaki, M. Biencinto, L. González, V. Drosou, L. Valenzuela	13th International Conference on Solar Energy for Buildings and Industry Eurosun		
5	2020	Solar Heat For Industrial Processes Systems; a case study in Greece	R. Christodoulaki, P. Tsekouras, V. Drosou, J. Fluch	13th International Conference on Solar Energy for Buildings and Industry Eurosun		
6	2018	Optical Analysis of an Evacuated Tube Collector with Built-In Semicircular Concentrator for Process Heat Applications	R. Christodoulaki, P. Tsekouras, V. Drosou	12th Eurosun International Conference on Solar Energy for Buildings and Industry		
7	2017	Optical performance assessment of a spherical Stationary Reflector Tracking Absorber solar concentrator	Christodoulaki R., Tsekouras P., Koronaki I.	International Conference on Energy, Environment		



				and Economics ICEEE2017		
8	2015	Counter flow adiabatic regenerator and comparative study	I. Koronaki, R. Christodoulaki, V. Papaefthimiou, E. Rogdakis	International Journal of Thermodynamics		
9	2013	Thermodynamic analysis of a counter flow adiabatic dehumidifier with different liquid desiccant materials	Koronaki I., Christodoulaki R., Papaefthimiou V., Rogdakis E.	Applied Thermal Engineering		
10	2013	Critical review of coupled heat and mass transfer models for a liquid desiccant adiabatic dehumidifier and regenerator	Koronaki I., Christodoulaki R., Papaefthimiou V., Rogdakis E.	Advances in Building Energy Research		

**Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					

*Specify venue, geographic location etc

**Research Projects. List the five (5) more recent and other five (5) selected
(max total 10)**

Ref. Number	Date	Title	Funded by	Project Role*
1	2022-2025	Renewable Energy Directive Implementation for Heating and Cooling	EU LIFE CET POLICY	Scientific Coordinator, Senior Researcher
2	2023-2026	A Greek Turkish Solar Energy Excellence Hub to Advance the European Green Deal	EU HORIZON WIDERA	Senior Researcher
3	2021-2024	Combined Heat and Power System with Parabolic Trough Solar Collector, Organic Rankine Cycle, High Temperature Heat Pump and Heat Storage with Phase Change Materials	EU CSP ERANET	Senior Researcher
4	2020-2024	Application of Solar Thermal Energy to Processes	EU H2020	Senior Researcher
5	2019-2022	Low-carbon society: an enhanced modelling tool for the transition to sustainability	EU H2020	Senior Researcher

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
 List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	since 2020	European Energy Research Alliance EERA JP CSP	Member	Legislation and Technological advances in Concentrated Solar Power
2	since 2020	European Energy Research Alliance EERA Policy Group	Member	European Legislation in Energy Efficiency and Renewable Energy Sources
3	since 2011	European Commission	Expert	Evaluation of research proposals for funding



**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	2016	Award "Thomaideio" for the excellence of publication under the title "Koronaki I.P., Christodoulaki R.I., Papaefthimiou V.D., Rogdakis E.D., Counter flow adiabatic regenerator and comparative study, International Journal of Thermodynamics, Vol. 18, n.3, 2015"	National Technical University of Athens
2	2015	Co-owner of Intellectual Property Rights on the Concentrating Solar Collector (registration number 002698563-0001)	Office For Harmonization In The Internal Market Trade Marks And Designs
3	2011	1st award in the national competition i-bank Innovation & Technology. Title: "Photovoltaic and thermal solar concentrated collectors"	National Bank of Greece

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1			