ALAA H. SALAH

ASSISTANT RESEARCHER

PERSONAL INFORMATION	Full Name: Affiliations: Address: Mobile No.: E-mail: Important links:	Alaa H. Salah City of Scientific Research and Technological Applications New Borg Elarab, Alexandria, Egypt +201098575411 alaa.h.salah@gmail.com : https://www.linkedin.com/in/alaa-salah-3996a3b7/ : https://www.researchgate.net/profile/Alaa_Salah7 : https://independent.academia.edu/alaasalah5 : https://scholar.google.com.eg/citations?user=IMjtzXoAAAAJ&hl=ar
EDUCATION	**M.Sc. in mechanical engineering, Alexandria University, 2017** **B.Sc. of mechanical engineering, Alexandria University, 2012**	
ACTIVITIES	**Scientific Activities** 1. ICNTSE Conference, Attended and presented paper in "The First International Conference on New Trends for Sustainable Energy" in Pharos University in Alexandria, 2016	
	Administrative Activities 2. Innovation GATE, Co-funded by the European Union and the Government of Egypt, Evaluated different novel ideas for technical school students, 2017 3. First Winter School on CFD applications (ANSYS & COMSOL), Instructed ANSYS software in “First Winter School on CFD applications (ANSYS & COMSOL)”, Informatics Research Institute, for one week, 2017	
	Extra-curriculum Activities 1. Pathways to higher education, Alexandria University, Successfully completed the training program “Development of thinking and managerial skills”, “managerial approach” with GPA 3.89, the participant attended 75 hours of training and completed the following courses; 1) Problem solving and decision making, 2) teams and work groups, 3) negotiation skills, 4)	

	economic feasibility study, 5) basics of managerial economics, 6) planning and controlling, 2012
GRANTS & AWARDS	1. Tuition fee for a M.Sc. in Mechanical Engineering, Faculty of Engineering, Alexandria University from City of Scientific Research and Technological Applications, 2013-2017, Alexandria, Egypt
	Awards 1. Academy of Scientific Research and Technology (ASRT) award (2,000 EGP) for participating in "Innovation GATE" project Co-funded by the European Union and the Government of Egypt as an examiner for students, 2017, Alexandria, Egypt. 2. City of Scientific Research and Technological Applications award (600 EGP) for participating in "Maintenance of HVAC in the animal house building" tender, 2017, Alexandria, Egypt. 3. City of Scientific Research and Technological Applications award (5,000 EGP) for distinctive publishing (Top 5 % ISI Journals, 2017), Alexandria, Egypt 4. City of Scientific Research and Technological Applications award (4,000 EGP) for distinctive publishing (Top 20 % ISI Journals, 2016), Alexandria, Egypt
LIST OF PUBLICATIONS	1. Mohammad Akrami, **Alaa H. Salah**, Mahdieh Dibaj, Maxime Porcheron, Akbar A. Javadi, Raziyeh Farmani, Hassan E. S. Fath and Abdelazim Negm, "A Zero-Liquid Discharge Model for a Transient Solar-Powered Desalination System for Greenhouse", water, 2020, 12(5), 1440. 2. Mohammad Akrami, **Alaa H Salah**, Akbar Javadi, Hassan E.S. Fath, Matthew J. Hassanein, Raziyeh Farmani, Mahdieh Dibaj, Abdelazim Negm, "Towards a sustainable greenhouse: Review of Trends and emerging practices in analyzing greenhouse ventilation requirements to sustain maximum agricultural yiel", Sustainability, 2020, 12(7), 2794 3. **Alaa H. Salah**, Hassan Fath, Abdelazim Negm, Mohammad Akrami, Akbar Javadi, "Modeling of a stand-alone, solar driven agriculture greenhouse integrated with Photo Voltaic /Thermal (PV/T) panels" IAPE '19, Oxford, United Kingdom, 2019. 4. Kabir Abdullahi M., **Alaa H. Salah**, Hassan E.S.Fath, "CFD Micro Climatic Analysis of Sustainable Agricultural Greenhouse with Built-In Roof Solar Still" IAPE '19, Oxford, United Kingdom, 2019.

	5. Kabir Abdullahi, **Alaa H. Salah** and Hassan E.S. Fath, "Transient performance of a Naturally Ventilated Sustainable Greenhouse Integrated with Desalination System" TMREES Conference Series: Technologies and Materials for Renewable Energy, Environment and Sustainability, 2019. 6. **Alaa H. Salah**, Gasser E. Hassan, Hassan Fath, Mohamed Elhelw, Samy Elsherbiny, "Analytical investigation of different operational scenarios of a novel greenhouse combined with solar stills", Applied Thermal Engineering, Vol.122, 2017. 7. **Alaa H. Salah**, Gasser E. Hassan, Mohamed Elhelw, Hassan Fath and Samy M. Elsherbiny, "Performance Improvement of Roof Transparent Solar Still Coupled with Agriculture Greenhouse", Journal of Renewable Energy and Sustainable Development (RESD), vol. 3, 2017. 8. Gasser E. Hassan, **Alaa H. Salah**, Mohamed Elhelw, Amany Hassan, Khalid M. Saqr, Hassan Fath, "Optimum Operational Performance of a New Stand-Alone Agricultural Greenhouse with Integrated-TPV Solar Panels", Solar energy, vol.136, P.303–316, 2016. 9. Gasser Hassan, **Alaa Salah**, Mohamed Elhelw, Amany Hassan, Hassan Fath, "Development of A Novel Solar Driven Agriculture Greenhouse: Self Sufficient of Energy and Irrigating Water", International Desalination Association (IDA) World Congress on Desalination and Water Reuse, San Diego, CA, USA, 2015.