

CURRICULUM VITAE

Prof. Dr. Hany Ahmed Mohamed Aly



Personal Data

Full name: Hany Ahmed Mohamed

HomePage: <https://sites.google.com/view/profdrhanyahmedmohamed/%D8%A7%D9%84%D8%B5%D9%81%D8%AD%D8%A9-%D8%A7%D9%84%D8%B1%D8%A6%D9%8A%D8%B3%D9%8A%D8%A9prof-dr-hany-ahmed-mohamed-aly>

E-mail: hah@aun.edu.eg
hany_ahmed_mohamed@yahoo.com

Nationality: Egyptian

Parment Address: Mechanical Engineering Department,
Faculty of Engineering, Assiut University, Assiut, Egypt.

Birthday: 10/7/1956

Home phone: +201009550653

Mobile phone: +201009550653

Position:

- Chairman of the Department of Manufacturing Engineering and Production Technology, Modern Academy in Maadi, Cairo, from 2022 till now.
- Chairman of the Department of Mechanical Engineering, Higher Technological 10th Ramadan, Cairo, from 2020 to 2022.
- Member of the Program Accreditation Committee (PAC) at ABET center, Faculty of Engineering, Taif University, Saudia Arabia, from 2014 to 2017.
- Chairman of the Assessment & Continuous Improvement Committee (ACIC) at ABET center, Faculty of Engineering, Taif University, Saudia Arabia, from 2014 to 2017.
- Chairman of the Department of Mechanical Engineering, Faculty of Engineering, Assiut University, from 2011 to 2014.
- Vice President of the Directors Board and Director of Engineering Development Center, Faculty of Engineering, Assiut University, from 2011 to 2014.
- Member of the Directors Board of the Engineering Advisory Centre, Faculty of Engineering, Assiut University, from 2011 to 2014.
- Member of the Higher Committee and the steering committee of Mechatronics and Robotics Program, Faculty of Engineering, Assiut University, from 2011 to 2014.
- Member of the Standing Scientific Committee to upgrade the professors and associate professors of power engineering, automotive and aerospace, at Egyptian Ministry of Higher Education from 2013 to 2016 and from 2019 to 2023.
- Member of the Standing Scientific Committee for scientific engineering to upgrade the professors and associate professors, at Egyptian Atomic Energy Authority from 2013 to 2016.
- General supervisor on Faculty of Engineering workshops, Assiut University, from 2011 to 2014.

Scientific Innovation:

- “Comparative Study of Steam Injection Effects on Operation of Gas Turbine Cycles” Special Issue on Innovation in Energy Systems, IJGEI, USA, Vol. 28, No.2/3, 2007, pp.275 – 29.

Degrees and Prizes

- 2005** Scientific **Distinction Prize** for the best research in mechanical Engineering, Assiut University
- 2004** Encouragement **State Prize** in the Engineering sciences from the Ministry of the Higher Education and Scientific Research, Egypt.
- 2004** Training courses at: management development and leadership foundations- (time management and work pressures) - University and community service-teaching using computer-market economics and finance scientific research.
- 1991** Ph.D. in Mechanical Power Engineering (*Thermophysical Properties of Selected Fluids*) from Prague Technical University, Czech Republic University.
- 1985** **M.Sc.** in the field of Mechanical Power Engineering (Rotating heat exchangers) from Assiut University, Egypt.
- 1979** Bachelor of Mechanical Power Engineering from Assiut University, Egypt. Grade points: **Distinction**. Project Title “Design water pipeline network for irrigation Assiut university campus green area”.

Full-time Employments

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|------------------|---|
| 2022-now | Head of the Department of Manufacturing Engineering and Production Technology, Modern Academy in Maadi, Cairo. |
| 2020-2022 | Head of Mech. Eng. Department, The Higher Technological Institute, Tenth of Ramadan, Tenth of Ramadan City. |
| 2017-2020 | Prof. at Mech. Eng. Department, Faculty of Eng., Assiut University, Egypt. |
| 2014-2017 | Prof. at Mech. Eng. Department, Faculty of Eng., Taif University, SA. |
| 2011-2014 | Head of Mech. Eng. Department, Faculty of Eng., Assiut University, Egypt. |
| 2006-2014 | Prof. at Mech. Eng. Department, Faculty of Eng., Assiut University, Egypt. |
| 2005-2006 | Prof. at Mech. Eng., Faculty of Eng. Department, 7 th April University, Libya. |
| 2001-2005 | Associate Prof. at Mech. Eng. Dept., Faculty of Eng., Assiut Univ., Egypt. |
| 1997-2001 | Assistant Prof. at Mech. Eng. Depart. Faculty of Eng., Assiut Univ., Egypt. |
| 1995-1997 | Assistant Prof. at Mech. Eng. Department, Faculty of Eng., Sanaa University, Yemen State. |
| 1991-1995 | Assistant Prof. at Mech. Eng. Department, Faculty of Eng., Assiut University, Egypt. |
| 1988-1991 | Post-graduate (Ph.D.) Scholarship at Faculty of Mech. Eng., Prague Technical University, Czech Republic. |
| 1985-1988 | Lecturer at Depart. of Mech. Eng., Faculty of Eng., Assiut Univ., Egypt. |
| 1981-1985 | Assistant Lecturer and Research Assistant at Department of Mech. Eng., Faculty of Eng., Assiut University, Egypt. |
| 1979-1981 | Army service at armadillos' workshops |

Administrative and Management Appointments

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|-----------------------------------|---|
| 2013-2016 & 2019-20223 | Member of the Egyptian Universities Promotion Committee (EUPC), Committee of Mechanical Power Engineering, motor vehicles, and airplane. |
| 2013-2016 | Member of the Standing Scientific Committee for scientific engineering to upgrade the professors and associate professors, at Egyptian Atomic Energy Authority from 2013 to 2016. |
| 2008-Now | Governor in the Egyptian Universities Promotion Committee (EUPC), Committee of Mechanical Power Engineering, motor vehicles, and airplane. |
| 2011-Now | Member of the Standing Scientific Committee for scientific engineering to upgrade the professors and associate professors, at Egyptian Atomic Energy Authority from 2013 to 2016. |

2004-Now	Membership at American Chemical Society, USA.
From 2000	Member of the engineering faculty board, Assiut University.
1992-2014	Membership in center of the Engineering works consultations at Assiut University.
1991- now	Member of the mechanical engineering department board, Faculty of Engineering, Assiut University.
1988-1990	Egyptian scholars Union member state the Czech Republic.
1979- now	Membership of Egyptian Engineering Union.

Teaching Experiences

- Teaching the following courses at the undergraduate and graduate level including Master and higher diploma at Assiut University:
- Thermodynamics II & I, Advanced Thermodynamics, Fluid Mechanics II & I, Internal combustion engines, Hydraulic and Thermal Power stations, Heat Engines, Hydraulic machines, Heat Exchangers, Refrigeration and Heat Conditioning, Eng. Mechanics, and Different Advanced courses in Mechanical Engineering.

Invited Talks and Public Relations

1. Seventh Annual Conference of the future new and Renewable energy in the Arab world, Assiut, Egypt 12 -14 February 2013.
2. The second international conference on Nuclear and Renewable Energy Resources, Ankara, Turkey, 4-7 July 2010.
3. WSEAS and IASME Conferences, Corfu, Greece, August 2004.
4. CHISA2002 Conference, Prague, Czech Republic, August 2002.
5. 12th International Mechanical Engineering International Conference, Al Mansoura University, Egypt, October 30th-November 1st, 2001.
6. CHISA2000 Conference, Prague, Czech Republic, August 2000.
7. CHISA'98 Conference, Prague, Czech Republic, August 1998.
8. 10th International Conference on Mechanical Power Engineering, Assiut University, Egypt, December 1997.
9. 12th European Conference, Vienna, Austria, September 1990.
10. Attended and participated in CHISA'90 Conference, Prague, Czech Republic, August 1990.
11. Egyptian scholars Union member state the Czech Republic in the period from 1988 to 1990.

Referee Appointments

1. Governor in the Egyptian Universities Promotion Committee (EUPC), Committee of Mechanical Power Engineering, motor vehicles, and airplane.
2. Referee in the Journal of Engineering Sciences, JES, Assiut University, Egypt 3- Referee in the Journal of Engineering Faculty, Minya University, Egypt
3. Honorary Member in the IASME/WSEAS International Conference on HEAT and MASS TRANSFER (HMT '06), Miami, Florida, USA, January 18-20, 2006.
4. Referee in the Industry & Engineering Chemistry Research International Journal Published by the USA Chemical Society.
5. Session Chairman in CHISA'98 Conference, Prague, Czech Republic, August 1998. 7- Member of the organizing committee for 10th International Conference on Mechanical
6. Power Engineering, Assiut University, Egypt, December 1997.

Supervising M.Sc. and Ph. D. thesis:

Many PhD and MSc Theses were Finished and Others under Running in fields:

1. Engineering Thermodynamics
2. Energy and Renewable Energy
3. Internal Combustion Engines
4. Turbomachinery
5. Heat Transfer
6. Mechatronics Subjects
7. Entropy Generation systems
8. Vortex Tubes
9. Solar Distillation systems

Selected Publications

i. Books

1. "Basics of Hydraulic Machines" Assiut Univ. Publisher office for undergraduate students, 2008.
2. "Thermodynamics Property Tables (SI Units)" Assiut Univ. Publisher office for undergraduate students, 2008.
3. "Introduction to Thermal Power Stations" Assiut Univ. Publisher office for undergraduate students, 2008.
4. "Engineering fluid Mechanics "Assiut Univ. Publisher office for undergraduate students, 2004.
5. "Fundamentals of Hydraulic Power Station" Aswan Univ. Publisher office for undergraduate students, Egypt, 2003.
6. "Principles of Mechanical Engineering" Aswan Univ. Publisher office for undergraduate students, Egypt, 2003.
7. "Basics of Engineering Thermodynamics" Assiut Univ. Publisher office for undergraduate students, Egypt, 2000.
8. "Mechanical Workshops and Technical Reports" Health Technical Institute, Publisher office for undergraduate students, Assiut, 1992.

ii. Scientific Researches

A) International Journals

1. A.S.A. Mohamed, Abanob G. Shahdy, **Hany A. Mohamed**, M. Salem Ahmed "Forced-air condensation as a performance-enabling strategy for natural vacuum desalination: Experimental, techno-economic, and environmental assessment" Desalination, Volume 628, 15 June 2026, 120108; <https://doi.org/10.1016/j.desal.2026.120108>
2. M. Salem Ahmed, Hamed Abbady, **Hany A. Mohamed**, Abanob G. Shahdy, and A. S. A. Mohamed " Exergy, Economic, and Environmental (3E) Analysis of a Low-Pressure Desalination Solar-Powered System Using Innovative Technology for Continuous Freshwater Productivity" *Sustainability* 2026, 18(3), 1271; <https://doi.org/10.3390/su18031271>
3. R. K. Mohammed, **Hany A. Mohamed**, MR. Abdelaal " Modeling, analysis, and experimental validation of a swash plate compressor for automotive air conditioning" *Scientific Reports* 15 No. 42909, 2025. <https://doi.org/10.1038/s41598-025-27318-w>
4. Mohamed Rafeek, Mohamed Elwardany, A.M. Nassib, M. Salem Ahmed, **Hany A. Mohamed**, MR. Abdelaal " Exergy Analysis of a Crude Oil Distillation Unit for Enhanced Energy Efficiency and Sustainability" *SVU-International Journal of Engineering Sciences and Applications* (2025) 6(2): 185-194. [DOI 10.21608/svusrc.2025.368928.1276](https://doi.org/10.21608/svusrc.2025.368928.1276)

5. Mohamed Rafeek, Mohamed Elwardany, A.M. Nassib, M. Salem Ahmed, **Hany A. Mohamed**, MR. Abdelaal " Enhancing energy and exergy efficiency in a petroleum refining unit: a case study" **Journal:** Journal of Thermal Analysis and Calorimetry, Volume 150, pages 17485–17505 (Springer, 2025). <https://doi.org/10.1007/s10973-025-14700-z>
6. Mohamed Rafeek, Mohamed Elwardany, A.M. Nassib, M. Salem Ahmed, **Hany A. Mohamed**, MR. Abdelaal " Sustainable refining: integrating renewable energy and advanced technologies" **Journal:** Journal of Thermal Analysis and Calorimetry (Springer, 2025). <https://doi.org/10.1007/s10973-025-14700-z>
7. Mohamed Rafeek, Mohamed Elwardany, A.M. Nassib, M. Salem Ahmed, Hany A. Mohamed, MR. Abdelaal " Sustainable Refining: Enhancing Energy Efficiency in Crude Distillation Processes" **Journal:** Chemical Engineering and Processing – Process Intensification, 214, 2025, 110326. <https://doi.org/10.1016/j.cep.2025.110326>
8. Ashraf Mimi Elsaid, Fathia A. Hashem b, **Hany A. Mohamed**, M. Salem Ahmed " Enhancing Trombe wall performance for winter in Egypt's arid regions: a field study" **ADVANCES IN BUILDING ENERGY RESEARCH**, Taylor & Francis Online, 2025, <https://doi.org/10.1080/17512549.2025.2469052>
9. Mohamed Elwardany, A. M. Nassib, **Hany A. Mohamed**, M. R. Abdelaal "Modeling of performance and thermodynamic study of a gas turbine power plant" **Journal of Thermal Science and Engineering** 2024, 7(4), 8016. <https://doi.org/10.24294/tse.v7i4.8016>
10. Mohamed Elwardany, Abd El-Moneim M. Nassib, **Hany A. Mohamed** "Exergy analysis of a gas turbine cycle power plant: a case study of power plant in Egypt" **Journal of Thermal Analysis and Calorimetry**, 149, 2024, 7433–7447. <https://doi.org/10.1007/s10973-024-13324-z>
11. Mohamed Elwardany, Abd El-Moneim M. Nassib, **Hany A. Mohamed** "Advancing sustainable thermal power generation: insights from recent energy and exergy studies" **Process Safety and Environmental Protection** 183 (2024) 617–644. <https://doi.org/10.1016/j.psep.2024.01.03>
12. Mohamed Elwardany, Abd El-Moneim M. Nassib, **Hany A. Mohamed** "Analyzing global research trends in combined cycle power plants: A bibliometric study" **Energy Nexus**, Volume 13, March 2024, 100265, <https://doi.org/10.1016/j.nexus.2023.100265>
13. Ashraf Mimi Elsaid, Fathia A. Hashem b, **Hany A. Mohamed**, M. Salem Ahmed "Improving summer cooling in the Egypt hot/dry arid region utilizing a Trombe wall system: A Feld investigation" **Solar Energy** 267, 2024, 112235 <https://doi.org/10.1016/j.solener.2023.112235>
14. Mohamed Elwardany, A.M. Nassib, **Hany A. Mohamed**, MR. Abdelaal "Energy and exergy assessment of 750 MW combined cycle power plant: A case study" **Energy Nexus** 12 (2023) 100251. <https://doi.org/10.1016/j.nexus.2023.100251>
15. Mohamed Elwardany, Abd El-Moneim M. Nassib, **Hany A. Mohamed** "Comparative Evaluation for Selected Gas Turbine Cycles" **International Journal of Thermodynamics**, 2023, pp. 1- 11. Published online: Mmm dd, 2023, <https://doi.org/10.5541/ijot.1268823>
16. M. Salem Ahmed, A.S.A. Mohamed, **Hany A. Mohamed**, M.R. Abdelaal, Hamed Abbady "A review of vacuum solar desalination powered by renewable energy: Recent trends" **Journal of Cleaner Production** 428, 2023, 139244. <https://doi.org/10.1016/j.jclepro.2023.139244> [Get rights and content](#)
17. A.S.A. Mohamed, Abanob G. Shahdy, **Hany A. Mohamed**, and M. Salem Ahmed" A comprehensive review of the vacuum solar still systems" **Renewable and Sustainable Energy Reviews** 184, 2023, 113572. <https://doi.org/10.1016/j.rser.2023.113572>
18. Ashraf Mimi Elsaid, Fathia A. Hashem, **Hany A. Mohamed**, and M. Salem Ahmed "The Energy Savings Achieved by Various Trombe Solar Wall Enhancement Techniques for heating and Cooling Applications: A detailed review" **Solar Energy Materials & Solar Cells** 254, 2023,

112228. <https://doi.org/10.1016/j.solmat.2023.112228>

19. Nadin A. Geies, M E H Eltaib, **Hany A. Mohamed**, and Mahmoud Abdelrahim "Grasp Planning for Underactuated Three-Fingers Robot Gripper Using Deep Convolutional Neural Network" International Journal of Mechanical Engineering, Vol. 7 No. 1 January, 2022, 6535-6543
20. Omnia A. A. Salama, Mohamed E. H. Eltaib, **Hany Ahmed Mohamed**, and Omar Salah "RCD: Radial Cell Decomposition Algorithm for Mobile Robot Path Planning" IEEE ACCESS, VOLUME 9, 2021, 149982-149992. DOI: [10.1109/ACCESS.2021.3125105](https://doi.org/10.1109/ACCESS.2021.3125105)
21. Ashraf Mimi Elsaid, **Hany A. Mohamed**, Gamal B. Abdelaziz, and M. Salem Ahmed "A Critical Review of Heating, Ventilation, And Air Conditioning (HVAC) Systems Within the Context of A Global SARS-Cov-2 Epidemic" Process Safety and Environmental Protection 155, 2021, 230-261. <https://doi.org/10.1016/j.psep.2021.09.021>
22. Mahmoud A. El-Sherief, **Hany A. Mohamed**, M. Salem Ahmed "Design and Performance of Trombe Wall with Humidification for Air Cooling in Hot Arid Regions' Scholars Journal of Engineering and Technology, August 2020; 8(8): pp. 147-154. DOI: [10.36347/sjet.2020.v08i08.002](https://doi.org/10.36347/sjet.2020.v08i08.002)
23. Attalla, M., **Ahmed, H.**, Ahmed, M.S., El-Wafa, A.A. "Experimental investigation of the effect of nozzle numbers on Ranque-Hilsch vortex tube performance" Experimental Heat Transfer 30(3), 2017, pp. 253-265. <https://doi.org/10.1080/08916152.2016.1233150>
24. M. Attalla, **Hany Ahmed**, M. Salem Ahmed, A. Abo El- Wafa "Experimental Investigation for Thermal Performance of Series and Parallel Ranque-Hilsch Vortex Tube Systems" Applied Thermal Engineering, Volume 123, August 2017, Pages 327-339. <https://doi.org/10.1016/j.applthermaleng.2017.05.08>
25. M. Attalla, **Hany Ahmed**, M. Salem Ahmed, A. Abo El- Wafa "An experimental study of nozzle number on Ranque Hilsch counter-flow vortex tube" Experimental Thermal and Fluid Science, Volume 82, April 2017, Pages 381-389. <https://doi.org/10.1016/j.expthermflusci.2016.11.034>
26. Mahmoud S. Ahmed, **Hany A. Mohamed**, Mohamed A. Omara, Mohamed F. Abdeen "Investigation of Heat Transfer by Natural Convection in an Open Channel" World Academy of Science, Engineering and Technology International Journal of Mechanical and Mechatronics Engineering Vol:9, No:5, 2015. [Investigation of Heat Transfer by Natural Convection in an Open Channel | Semantic Scholar 15DE05000235 \(waset.org\)](https://www.semanticscholar.org/urn:15DE05000235)
27. Abdallah Farrage, Abdel Badie Sharkawy, Ahmed S. Ali, M-Emad S. Soliman, and **Hany A. Mohamed** "Trajectory Tracking of Scara Robot with An Adaptive Neuro-Fuzzy Control Scheme" International Journal of Engineering Research-Online A Peer Reviewed International Journal Vol.3., Issue.5., 2015 (Sept.-Oct.), pp. 512-520. Articles available online <http://www.ijoer.in>
28. Al-Osaimy A. S. and **Hany A. Mohamed** "Performance and Emissions of Diesel Engine Using Bio-Diesel Blends Fuel" International Journal of Control, Automation and Systems, Vol. 4, No. 2, April 2015, 22 – 27.
29. **Hany A. Mohamed**, M. Attalla, M. Salem, Hussein M. Mghrabie, E. Specht "Experimental Study on Temperature Splitting of a Counter Flow Ranque-Hilsch Vortex Tube" World Academy of Science, Engineering and Technology, Transactions on Mechanical and Mechatronics Engineering, Vol 3, No 5, 2015. [Experimental Study on Temperature Splitting of a Counter-Flow Ranque-Hilsch Vortex Tube \(waset.org\)](https://www.waset.org/publication/15104248)
30. Hassan A, Ali, **Hany A. Mohamed**, and M. Abdelgawad, "Repulsion-Based Model for Contact Angle Saturation in Electrowetting" Biomicrofluidics, vol. 9, pp. 014115-1-14, 2015. <https://doi.org/10.1063/1.4907977>
31. Sherif A. Mohamed, Ibrahim. S. Taha, Mahmoud G. Morsy, **Hany A. Mohamed**, Mahmoud. S. Ahmed "Numerical Solution of Solar Energy Absorbed in Porous Medium with a New Approach for Vapor Pressure Calculation and Consideration of Solute Crystallization" American Journal of Aerospace Engineering, 2(1), 2015, 93-105.

<https://www.sciencepublishinggroup.com/article/10.11648/j.ajae.s.2015020101.18>

32. Mahmoud S. Ahmed, **Hany A. Mohamed**, M. Attalla, Seif A. Ahmed “Experimental Study of The Energy Separation in Counter Flow Vortex Tube” International Journal of Scientific & Engineering Research, Volume 5, Issue 12, December-2014, 676-682. <https://www.semanticscholar.org/paper/Experimental-Study-of-The-Energy-Separation-in-Flow-Ahmed/5f06fab128c7b049a22b00010ef3689a7288bb7b>
33. Ali N. Alzaed and **Hany A. Mohamed** “Experimental Study of Solar Chimney for Ventilation in Hot Arid Region” International Journal of Engineering and Innovative Technology (IJEIT) Volume 4, Issue 4, October 2014, 140-144. [Experimental Study of Solar Chimney for Ventilation in Hot Arid Region | Semantic Scholar](#)
34. M-Emad S. Soliman, **Hany A. Mohamed**, O. A. Abdelhafez, and A. M. Nassibe “Production and Characterization of Biodiesel Fuels from Castor Oil Utilizing Methanol” International Research Journal of Engineering Science, Technology and Innovation (IRJESTI), (ISSN-2315-5663) Vol. 3(2), April, 2014, pp. 17-23. <https://www.interesjournals.org/articles/production-and-characterization-of-biodiesel-fuels-from-castor-oil-utilizing-methanol.pdf>
35. M. Hamdy A, O. M. E. Abdel-Hafez, **Hany A. Mohamed** and A. M. Nassib “Study a Model Close to the Actual Cycle of Internal Combustion Engines” International Journal of Scientific & Engineering Research, Volume 5, Issue 5, May-2014, 1373-1386. <https://b.aun.edu.eg/engineering/node/34723>
36. **Hany A. Mohamed**, Mahmoud S. Ahmed “Performance characteristics of modified gas turbine cycles with steam injection after combustion exit “International Journal of Energy Research 2012; 36:1346–1357. <https://doi.org/10.1002/er.1916>
37. **Hany A. Mohamed**, Mahmoud S. Ahmed “Performance characteristics of single cylinder diesel engine under different operating conditions” Journal of Enviro. Sci. and Eng., Vol. 5, No. 7, July 2011, pp. 850-856. <https://b.aun.edu.eg/engineering/node/32027>
38. **Hany A. Mohamed** “Comparative Study of Steam Injection Effects on Operation of Gas Turbine Cycles” International Journal of Global Energy Issues (IJGEI), Special Issue on Innovation in Energy Systems, Vol. 28, No.2/3,2007, pp. 275 - 294. DOI: [10.1504/IJGEI.2007.015880](https://doi.org/10.1504/IJGEI.2007.015880)
39. **Hany A. Mohamed** “Effect of Rotation and Surface Roughness on Heat Transfer Rate to Flow through Vertical Cylinders in Steam Condensation processes” Journal of Heat Transfer, ASME, Vol. 128, No. 3, March 2006, PP. 318-323. <https://doi.org/10.1115/1.2098862>
40. **Hany A. Mohamed** “Conceptional Design Modeling of Combined Power Generation Cycle for Optimum Performance” Energy & Fuels, American Chemical Society Journal, USA, Vol. 17, No. 6, 2003, PP. 1492- 1500. <https://doi.org/10.1021/ef0202743>
41. **Hany A. Mohamed** “Entropy Generation in Counter Flow Gas to Gas Heat Exchangers” Journal of Heat Transfer, ASME, Vol. 128, No. 1, January 2006, PP. 87-92. <https://doi.org/10.1115/1.2130407>
42. V. Vacek, **Hany A. Mohamed** “Measurements of the PVT Properties of Liquid Methanol in the Temperature Range of 200 K And Up To 50 MPa.” Fluid Phase Equilibria, Amsterdam, 76, 1992, 187 – 198. DOI:[10.1016/0378-3812\(92\)85087-O](https://doi.org/10.1016/0378-3812(92)85087-O)
43. V. Vacek, **Hany A. Mohamed** “PVT Properties of Argon in the Temperature Range from 180 To 1000 K and Pressures Up To 100 MPa” Journal of High Temperature–High Pressures, USA, Volume 23, 1991, pp. 689 – 695. [\(p, V, T\) properties of argon in the temperature range 180 - 1000 K and at pressures up to 100 MPa | Semantic Scholar](#)
44. M.G. MORSY, F.M. WASSEF, V.H. MORCOS, **H.A.M. EL BIBLAWY** “Overall Heat Transfer Coefficient for Multi- Tube Rotating Condenser” Journal of Chem Eng. Comm., USA, Vol 57, 1987, 41-49. <https://doi.org/10.1080/00986448708960474>

B) International Conferences

45. Mohamed Elwardany A. M. Nassib, **Hany A. Mohamed** "Case Study: Exergy Analysis of a Gas Turbine Cycle Power Plant in Hot Weather Conditions" 5th Novel Intelligent and Leading Emerging Sciences Conference (NILES), IEEE pp. 291-294, 2023.
46. Mohamed Elwardany A. M. Nassib, **Hany A. Mohamed**, MR. Abdelaal "Performance Assessment of Combined Cycle Power Plant" 5th Novel Intelligent and Leading Emerging Sciences Conference (NILES), IEEE pp. 80-84, 2023.
47. N. A. Geies, M. Abdelrahim, M. ElTaib and **H. A. Mohamed**, "Grasping Stability Analysis of an Underactuated Three Finger Adaptive Gripper on Matlab Sim-Mechanics," 2020 16th International Computer Engineering Conference (ICENCO), 2020, pp. 141-146, DOI:[10.1109/ICENCO49778.2020.9357396](https://doi.org/10.1109/ICENCO49778.2020.9357396).
48. I. S. Taha Sherif A. Mohamed, M. G. Morsy, M. Salem **H. A. Elbeblawy** " Theoretical Study of Enhancement of Solar Still Using Porous Medium and Compound Parabolic Concentrator" Proceedings of ICFD12: Twelfth International Conference of Fluid Dynamics 19-20 December, 2016, Le Méridien Pyramids Hotel, Cairo, EGYPT. <https://www.google.com.eg/search?q=ICFD12+egypt+2016+pdf&sa=X&dc=0&tbm=isch&tbo=u&source=univ&ved=2ahUKewiFzaTU99XdAhXKZ1AKHQzICUUsAR6BAgGEAE&biw=1024&bih=60>
49. **Hany A. Mohamed**, M. Attalla, M. Salem, Hussein M. Mghrabie, E. Specht "Experimental Study on Temperature Splitting of a Counter Flow Ranque-Hilsch Vortex Tube" XIV International Conference of Thermal Engineering, Berlin Germany May 21-22, 2015, 17(5) Part XIV. https://www.researchgate.net/profile/Hussein-Maghrabie/publication/277028294_Experimental_Study_on_Temperature_Splitting_of_a_Counter-Flow_Ranque-Hilsh_Vortex_Tube/links/5a191c8ba6fdcc50ade7f74d/Experimental-Study-on-Temperature-Splitting-of-a-Counter-Flow-Ranque-Hilsh-Vortex-Tube.pdf
50. **Hany A. Mohamed**, Mahmoud S. Ahmed, M. Attalla, and A. Abo El –Wafa "Air Cooling by Swirling Air Using Counter Flow Vortex Tubes" 1stInternational Workshop on Mechatronics Education, March 8th -10th, Taif, Saudi Arabia, 2015.
51. **Hany A. Mohamed**, Mahmoud S. Ahmed, M. Attalla, and A. Abo El –Wafa "Control of Inlet Pressure for Energy Separation of the Ranque Hilsch Vortex Tub" 1stInternational Workshop on Mechatronics Education, March 8th -10th, Taif, Saudi Arabia, 2015.
52. Mahmoud S. Ahmed, Hany A. Mohamed, A. Abo El-Wafa "Experimental Study of The Energy Separation in Counter Flow Vortex Tube" 3 rd International Conference on Energy Systems and Technologies 16 – 19 Feb. 2015, Cairo, Egypt. https://www.researchgate.net/profile/Abdellah-Ahmed/publication/276297644_Experimental_Study_of_The_Energy_Separation_in_Counter_Flow_Vortex_Tube/links/577bcc2e08aec3b74336688f/Experimental-Study-of-The-Energy-Separation-in-Counter-Flow-Vortex-Tube.pdf
53. Sherif A. Mohamed, Ibrahim. S. Taha, Mahmoud G. Morsy, **Hany A. Mohamed**, Mahmoud. S. Ahmed "Study of The Effect of Porous Medium (Sand) Thickness on Double Slope Solar Still Productivity with Considering Humid Air Region" 3 rd International Conference on Energy Systems and Technologies, ICEST 2015, Cairo, Egypt, 16 – 19 Feb. 2015. https://www.researchgate.net/profile/Sherif-Mohamed-8/publication/283719568_STUDY_OF_THE_EFFECT_OF_POROUS_MEDIUM_SAND_THICKNESS_ON_DOUBLE_SLOPE_SOLAR_STILL_PRODUCTIVITY_WITH_CONSIDERING_HUMID_AIR_REGION/links/5644a7af08ae9f9c13e5652b/STUDY-OF-THE-EFFECT-OF-POROUS-MEDIUM-SAND-THICKNESS-ON-DOUBLE-SLOPE-SOLAR-STILL-PRODUCTIVITY-WITH-CONSIDERING-HUMID-AIR-REGION.pdf
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