Mostafa Dehghani Mohammad Abadi

Assistant Professor

Faculty : Engineering

Departments : Mechanical Engineering

Phone : +9854 - 31136465

Email : m_dehghani@eng.usb.ac.ir

Address : Dept.of Mechanical Engineering, Faculty of Engineering, University of Sistan and Baluchestan, Daneshgah Ave., Zahedan, Iran.

Education

- B.Sc, Mechanical Engineering - Mechanics in Heat and Flu,Yazd University - 2006
- MS, Mechanical Engineering-Thermo Fluids,Sistan and Baluchestan University - 2010
- PhD, Mechanical Engineering-Thermo Fluids,Sistan and Baluchestan University - 2016

Courses

1. Water Transfer Systems
2. Fluid Mechanics 2
3. Fluid Mechanics Laboratory
4. Refrigeration Systems Design
5. Computer Programming
6. Advanced Conduction Heat Transfer

Thesis

Master Thesis

1. Numerical study and heat exchanger design for diesel engine waste heat recovery

ياسر دهقاني, [Mostafa Dehghani Mohammad Abadi, , Faramarz Sarhaddi, Kiyanoosh Razzaghi, Seyed Amirasad Fatemi]

نيمسال اول سال تحصيلي 1402-1403

2. Technical and economic evaluation and performance improvement of the Ilam refinery gas turbine by energy and advanced exergy analysis

كورش همتي, [Mostafa Dehghani Mohammad Abadi, Said Farahat, Amir Ghasemkhani, Alireza Hossein Nezhad Devin, Hamid Moghadam Deymeh, Bahareh Bidar]

نيمسال دوم سال تحصيلي 00-01

3. Numerical Study and Parametric Analysis of Evacuated Tube Collector Solar Air Heater

سعيد مرادي, [Mostafa Dehghani Mohammad Abadi, Hamid Moghadam Deymeh, Alireza Hossein Nezhad Devin, Faramarz Sarhaddi, Seyed Amirasad Fatemi]

نيمسال اول سال تحصيلي 00-01

Journals Papers

2023

1. Exergy analysis and finite-time assessment of a multi-generation system based on solar and wind energies

Amir Ghasemkhani, Mostafa Dehghani Mohammad Abadi

International Journal of Ambient Energy Volume: (44) 2019 - 2033

2022

2. Geometric and thermo hydrodynamic investigation of a 3D converging-diverging channel by Taguchi and ANFIS methods

Masoud Goharimanesh, Elyas Abbasi Jannatabadi, Mostafa Dehghani Mohammad Abadi, Seyed Morteza Javadp

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER Volume: (138) 106285-1 - 106285-14

2021

3. The feasibility study of a night sky radiative cooling system for cooling the intake air of the gas turbine

, Said Farahat, Mostafa Dehghani Mohammad Abadi

Amirkabir Journal of Mechanical Engineering Volume: (53) 11 - 11

4. Entropy generation investigation of nanofluid flow in the ribbed rectangular channel under magnetic field

Seyed Morteza Javadpour, Mostafa Dehghani Mohammad Abadi

Journal of the Brazilian Society of Mechanical Sciences and Engineering Volume: (43) 1 - 14

2020

5. Investigation of different parameters effect on nocturnal radiative cooling

Hamed Mohammadian, Said Farahat, Mostafa Dehghani Mohammad Abadi

Volume: (50) 179 - 186

2019

6. Entropy generation analysis of nanofluid forced convection in MHD plane diffuser

Mostafa Dehghani Mohammad Abadi

NUMERICAL HEAT TRANSFER PART A-APPLICATIONS Volume: (75) 627 - 645

2016

7. بهينه سازي هندسي ديفيوزر خروجي توربين گاز نمونه با استفاده از ديناميك سيالات محاسباتي و الگوريتم ژنتيك

Mostafa Dehghani Mohammad Abadi, Said Farahat

Volume: (16) 223 - 234

2015

8. بهينه سازي هندسي جريان مغشوش درون ديفيوزرهاي حلقوي با استفاده از ديناميك سيالات محاسباتي و مدلسازي تقريبي

Mostafa Dehghani Mohammad Abadi, Said Farahat

Volume: (15) 371 - 384

1. v

international Conference on Knowledge and Technology of Mechanical, Electrical Engineering and Computer Of Iran

2. Experimental study of solar water desalination equipped with an air bubble column

Fourth International Conference on Energy Infrastructure Management, Optimization and Development

Fateme Keykhah-aria, Mostafa Dehghani Mohammad Abadi, farahat said, Mojtaba Nikbakht

2020

3. Challenges of e-learning in the universities of the deprived areas

Exchange of Experiences on e-Learning Implementations by Universities in Covid 19 Crises

Mostafa Dehghani Mohammad Abadi