



American Journal Of Engineering Research

ISSN (online) : 2320-0847

ISSN (print) : 2320-0936

Certificate for Publication

This is certify that the paper entitled **“Energy consumption analysis using HFC-134a and HFO-1234yf refrigerants in air conditioning applications: Technical and economical comparative study”** Journal with following details:

Authors Name : [ENG - MUATH ALNUAIMI](#)

Journal Name : [American Journal of Engineering Research](#)

Publication : [Volume 13, Number 05, 2024](#)



Editor-In-Chief, AJER
Mail id: ajer@editormails.com
Website: www.ajer.org



www.ajer.org



American Journal Of Engineering Research

ISSN (online) : 2320-0847

ISSN (print) : 2320-0936

Certificate for Publication

This is certify that the paper entitled **“Energy consumption analysis using HFC-134a and HFO-1234yf refrigerants in air conditioning applications: Technical and economical comparative study”** Journal with following details:

Authors Name : [Ali Mejbel Aljadei](#)

Journal Name : [American Journal of Engineering Research](#)

Publication : [Volume 13, Number 05, 2024](#)



Editor-In-Chief, AJER
Mail id: ajer@editormails.com
Website: www.ajer.org



www.ajer.org



American Journal Of Engineering Research

ISSN (online) : 2320-0847

ISSN (print) : 2320-0936

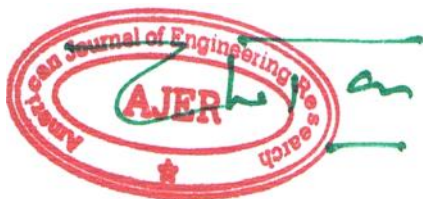
Certificate for Publication

This is certify that the paper entitled **“Energy consumption analysis using HFC-134a and HFO-1234yf refrigerants in air conditioning applications: Technical and economical comparative study”** Journal with following details:

Authors Name : [BADER NASER ALFADHLI PAAET](#)

Journal Name : [American Journal of Engineering Research](#)

Publication : [Volume 13, Number 05, 2024](#)



Editor-In-Chief, AJER
Mail id: ajer@editormails.com
Website: www.ajer.org



www.ajer.org