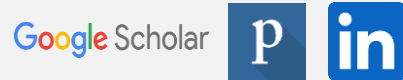




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Dr. Nasiru Ibrahim
Technical Research Assistant/Engineer II

Interdisciplinary Research Center for Renewable Energy and Power Systems (IRC-REPS)
King Fahd University of Petroleum & Minerals, Saudi Arabia

Executive Summary

An experienced researcher with more than seven years of experience in the field of renewable energy as a Technical Research Assistant. He specialized in thermal sciences and currently focusing on solar energy applications that include cooling based on compression and sorption technologies, water desalination, industrial process heating, and thermal energy storage. His current responsibilities include:

- Participation in the execution and coordination of existing research projects
- Writing research proposals for securing new research grants from different funding agencies.
- Scientific writings, innovation, journal, conference, and book/book chapter publications
- Mentoring and training undergraduate and graduate students in research.
- Procurement of laboratory and project facilities

Education

- ❑ PhD Mechanical Engineering (UTM Malaysia, 2020)
- ❑ MSc Mechanical Engineering (KFUPM, Saudi Arabia, 2013)
- ❑ B.Eng. Mechanical Engineering (BUK, Nigeria, 2009)

Distinguished Projects

- Solar photovoltaic powered phase change material thermal storage system for air conditioning system, KFUPM. Role: Senior Engineer
- Assessment of water treatment project with possible integration of renewable energy, NCDW. Role: Co-investigator
- Solar air conditioning (based on aqua-ammonia absorption chiller), KFUPM. Role: research member
- ASHRAE Level-II Industrial Energy Audit for Saudi Steel Pipe Company. Role: research member
- ASHRAE Level-I Industrial Energy Audit For Zamil Air Conditioner. ASHRAE Level-II Industrial Energy Audit for Saudi Steel Pipe Company. Role: research member
- ASHRAE Level-I Energy Audit For Arabian Fiberglass Insulation (AFICO). ASHRAE Level-II Industrial Energy Audit for Saudi Steel Pipe Company. Role: research member
- An Integrative System for Energy Efficient Air Conditioning Unit with Fresh Water Supply for the Kingdom of Saudi Arabia, KFUPM. Role: MSc research student.

Research Summary

- Number of Publications: 26
- Citations: 1331
- H-Index: 13
- Number of Patents: 3
- Book chapters: 2

Award and Recognitions

- Patent Recognition Award KFUPM, 2019
- International Doctoral Fellowship, UTM, 2017
- Research Assistantship, KFUPM, 2010

Skills and Expertise

- Experimentation, data collection and analysis
- Modelling and simulation capability
- Students training and mentoring
- Technical writings and review: Writing of reports, work papers, briefings and other information material