

## **Personal Data**

**Name:** MOJAHID SID AHMED MOHAMMED SALIH AHMED.

**Martial status:** Married, 2 Child.

**Nationality:** Sudanese.

**Religion:** Muslim.

**Place & Date of Birth:** Elgurair- 1976.

### **CURRENT ADDRESS:**

No 36, Jalan 21, Bandar Universiti,

Seri Iskandar, 31750 Tronoh, Perak, Malaysia

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## **Academic Qualifications**

University Of Khartoum – Faculty of Engineering & Architecture – Department of Agricultural Engineering (Feb. 1996-Jul. 2001).

### **▪M.SC Degree in Renewable Energy Technologies**

University Of Khartoum – Faculty of Engineering & Architecture – Department of Mechanical Engineering (July. 2002-March. 2006).

## **Past Research**

1- **Final year project (2001) Title:** Design and development of Positive pressure Evaporative cooling system for Dairy Cows .

2- **M.Sc. Dissertation (2005). Title:** Development of Solar / Wind powered Evaporative cooling System for Poultry houses.

## **Co-Supervised Research Work**

1. Study of Wind Energy as alternative power for pumping water in rural area (2003). Final Year Project, Department of Agricultural Engineering, Faculty of Engineering, University of Khartoum.
2. Development of Ideal Drip Irrigation unit work by solar energy (2005). Final Year Project, Department of Agricultural Engineering, Faculty of Engineering, University of Khartoum.
3. Development of a laboratory unit for studying evaporative cooling (2006) Final Year Project, Department of Agricultural Engineering, Faculty of Engineering, University of Khartoum.

## Achievements & Awards

- Prize of the Best Graduation Project in the Field of the Agricultural Engineering 2001.

Best academic performance in fifth year of Agricultural Engineering Department, Faculty of Engineering and Architecture, University of Khartoum 2001.

## Courses&Training

1-Zero training: University Of Khartoum – Faculty of Engineering

2-Basic training : Kenana sugar factory 1999(duration 1 month) working in Heavy Equipment type Caterpiller – Supervised by University Of Khartoum – Faculty of Engineering & Architecture – Department of Agricultural Engineering.

3-Assistant supervisor of Agricultural Engineering students tour to the Irrigation construction & national Agricultural projects in Sudan –Nov. 2001.

4-Supervisor of Agricultural Engineering students' tour to Kenana sugar factory December 2003.

## Professional Experience

<i>Establishment</i>	<i>Position</i>	<i>Period</i>
<b>U.of.K</b> Faculty of Eng ,& Arch. Department of Agri. Engineering	<b>Teaching Assistant</b>	Jan. 2002 to March 2006
<b>U.of.K</b> Faculty of Eng, & Arch. Department of Agri. Engineering	<b>Lecturer</b>	Mach 2006 up to date

## **Areas of Research Interest**

- Mathematical Modeling of a double-effect Steam Absorption Chiller in CHP systems.

### ***Others:***

#### **1- *Skills & Knowledge of Computer:***

- MS Windows
- MS Office
- Auto Cad
- Internet Explorer

#### **2- *Languages:***

- Arabic (mother tongue )
- English (written -spoken)

#### **3- *Licenses:***

- Driving License

## **Memberships**

- 1- Sudanese Engineering Society
- 2- Sudanese Agricultural Engineering Society
- 3- Member of the Editorial Board of the Sudanese Engineering Society Journal

## **References**

**1- Dr. Mohamed Abbaker Ahmed, Associate Professor, Head, Agricultural Engineering Department, Faculty of Engineering, University of Khartoum.**

Mobile: +249911252040.

**2- Dr. Abedelhafeez Mohamed Abedalla (Deputy Dean, Graduate College, University of Khartoum)**

Associate Professor, Department of Agricultural Engineering, Faculty of Engineering, University of Khartoum

Mobile:+24912907101.

**3- Dr.Mahmoud Hassan Onsa , Assistant Professor, Head of Mechanical Engineering Department, University of Khartoum**

Mobile:+249922776759.

## **Publications**

### ***Published:***

- Mojahid SID AHMED ; A/hafeez M. A/alla and Kamal N. A/alla. Development Of Solar/Wind Evaporative Cooling System For Poultry Housing. Sudan Engineering Society Journal, March 2009, Volume 55 No.52
- Mohammed S, Mojahid Sid Ahmed; Ul-Haq Gilani,Syed Ihtsham, Steady State Simulation of a Double-Effect Steam Absorption Chiller, Journal of Applied Sciences,(2011) vol. 11, issue 11, pp. 2018-2023
- Mohammed S, Mojahid Sid Ahmed; Ul-Haq Gilani,Syed Ihtsham, Steady State Simulation of a Double-Effect Steam Absorption Chiller, International Conference On Plant Equipment And Reliability(2010).
- Mohammed S, Mojahid Sid Ahmed; Ul-Haq Gilani,Syed Ihtsham, Exergy Analysis of a Double-Effect Parallel-Flow Commercial Steam Absorption Chiller, International Conference on Production, Energy and Reliability (2012).
- Mohammed S, Mojahid Sid Ahmed; Ul-Haq Gilani,Syed Ihtsham, Parametric Variation of a Double-Effect Commercial Steam Absorption Chiller for Various Load Factors, INTERNATIONAL MEETING OF ADVANCES IN THERMOFLUIDS 2011' IMAT2011. 03 Oct – 04 Oct 2011.

### ***Accepted:***

Mohammed S, Mojahid Sid Ahmed; Ul-Haq Gilani,Syed Ihtsham, Exergy Analysis of a Double-Effect Parallel-Flow Commercial Steam Absorption Chiller, Journal of Applied Sciences.