

# Curriculum Vitae

September 2010

## 1. Personal Data :

**Full Name:** Mysara Ahmed Mohamed Babiker  
**Surname:** Mohamed  
**Date of Birth:** 1951  
**Nationality:** Sudanese  
**Sex:** Male  
**Present Address:** Sudan University of Science and Technology-  
College of Agric . Studies , Department of Agric . Engineering .  
**Permanent Address:** Shambat Khartoum North, P.O. Box 71  
**Tel.** 0918214186  
**E-mail:** Mysara mohammed@ Yahoo.com

## 2- Academic Qualifications

### (A) Higher Studies :

1. **Diploma in Farm Mechanization at International College – Deventer - Department of Agricultural Engineering - Netherlands , (1991).**
- 2 . **Diploma in Farm Machinery & Power units : Operation & Maintenance- Brandon – Manitoba – Canada, 1989 .**
- 3 . **Training Course: ( 8 weeks ) on Agric. Tractors & Field Implements – Abreys. Wales- 1985.**
- 4 . **Training Course: ( 6 weeks ) on Agric. Planning & Economics – Cairo University – Egypt ,1975.**

**5- Curriculum Development and Instructor  
Training – Agricultural Education , March  
April , 1985 (FAO).**

**6- Teaching Methodology Workshop-  
Wolverhampton Polytechnic , United Kingdom ,  
Dec. 1985 .**

**(B) Education:**

**1- Ph.D. June , 2007**

**Department of Agric Engineering - Faculty of  
Agricultural Studies, Sudan University of Science  
&Technology – Sudan.**

- **Thesis Title: “Decision – Aid Model For  
Agricultural Machinery Management  
(DAMMAM). M**

**2 - M.Sc. Dec., 1997**

**Department of Agricultural Engineering ,  
Faculty of Agriculture – Omdurman Islamic  
University.**

**Thesis Title: “Effect of Different Tillage  
Systems on Soil Physical Properties  
and Abu 70 Fodder Crop .**

**3 - B. Sc. September, 1988.**

**College of Agriculture, Sudan University of  
Science & Technology, And College of Education  
: Major Field of Study: Agricultural  
Mechanization , Four years Study Covering  
courses in Agricultural Sciences & Education  
with emphasis on Agriculture**

Languages of Studies for B.Sc., M.Sc. and Ph. D.  
: English.

**(C) Languages: Speaking, reading & writing**

**Arabic: Excellent**

**English: V. Good**

**(D) Employment Record:**

**2001-to date: Assistant Professor, Department of  
Agricultural Engineering -College of  
Agricultural Studies-Sudan University of  
Science and Technology.**

**1997 – 2001: Lecturer , Head, Department of  
Agricultural Machinery & Power Units.  
College of Agricultural Studies, Sudan  
University of Science and Technology.**

**1990 –1997 Technical Lecturer, Department of  
Agricultural Machinery &Power Units,  
College of Agricultural Studies, Sudan  
University of Science and Technology.**

**1980 – 1990 Technical Teacher, Department of  
Agricultural Machinery &Power Units,  
College of Agricultural Studies, Sudan  
University of Science and Technology.**

**1973 – 1980 Field Inspector – Agricultural Planning  
and Agric. Economics,- Ministry of  
Agriculture & Natural Resources .**

**Academic Experiences :**

- 1 - Assistant Professor: Department of Agricultural Engineering, College of Agricultural Studies, Sudan University of Science and Technology.**
- 2 - Head, Department of Farm Power and Machinery- Agric. Engineering Department – 1997- 2001 .**
- 3 - Coordinator, Agricultural Mechanization Diploma- College of Technology-(SUST-Sudan) .**
- 4 - Part-time lecturer : Faculty of Range & Forestry- Sudan University of Sciences and Technology, 1998-2003.**
- 5 - Member, curricula syllabus committee for M.Sc. degree by courses and dissertation. . Agricultural Engineering Department, College of Agricultural Studies, Sudan University of Science and Technology, 2004**
- 6 - Member, curricula syllabus committee for Diploma in Mechanization. College of Technology & Human development - Sudan University of Science and Technology, 2004.**
- 7 - Member, Bsc. syllabus committee for Bsc. degree - College of Agricultural Studies - Sudan University of Science and Technology, 2005 .**
- 8-Head , Technical Committee, Agric. Engineers training courses on machinery & irrigation-2006/2007.**
- 9- M.sc. Internal examiner- Department of Agric. Engineering.**
- 10- Member ,General Examination Committee, College of Agric. Studies. 2007.**
- 11-Head, General Examination Committee, College of Agric. Studies- 2008- up to date.**

**(E) Activities and Experiences:**

**1-Mechanization Committee leader: Feasibility and Design of Abu Hamra Water Harvesting Project. North Darfour 2005-2006.**

**2- Agriculture and Mechanization Committee leader: Feasibility and Design Of Umbayada Water Harvesting Project. North Darfour 2005-2008.**

**(F) Courses Taught:**

**a. Agricultural Engineering Diploma:**

- 1- Agricultural Engineering Technology.**
- 2- Agricultural Machinery .**
- 3-Farm Power.**
- 4- Tractors Maintenance.**
- 5 - Machinery Maintenance.**
- 6- Machinery Management.**

**b. B.Sc. Level:**

- 1. Engineering Technology .**
- 2. Agricultural Machinery – Part One**
- 3. Agricultural Machinery – Part Two**
- 4. Farm Power**
- 5. Farm Tractors & Their power units**
- 6. Farm Power & Machinery Management**
- 7. Agric. Mechanization & Machinery Management**
- 8. Tractor Maintenance**
- 9. Machinery Maintenance**
- 10. Management & Economics of Agricultural Mechanization.**
- 11. Agric. Implements.**

**c. Msc. Level:**

**1 - Research Methodology Course .**

**2 - Agricultural machinery management course.**

**(G) Published papers:**

**1- Mohammed , A., Mysara, and Ibrahim, H. 2010  
Verification & Sensitivity Analysis of A machinery  
Management Decision – aid Computer Model. Journal of  
Science and Technology (SUST) accepted paper .**

**2- Mohammed, A. Mysara , Mohamed, I. Hassan 2010.  
Utilization of optimization model for machinery planning  
in multi crop farms in Wad Salman Project –Sudan .  
Journal of Science and Technology (SUST) accepted paper.**

**3- Mohamed , A., Mysara Mohamed, I. Hassan ,Eltom, M.,  
Omer. 2010. Development and Application of Machinery  
Management Model for Selecting Optimum Machinery  
Sizes in Multi-Farm Fields . Accepted paper by African  
Journal of Agricultural Research- AJAR-10-100.**

**4- Hassan Ibrahim Mohammed , Haithum Ragab,  
Mysara Ahmed Mohammed and Omran Musa. Feb. 2010.  
Optimization of Choosing Tillage Systems for Organic ,  
Reduced- tillage , Zero – tillage and Conventional Farming  
Systems by Compromise Programming Technique.  
Presented for the International Conference on Organic  
Farming (ICOF) organized by CAS- Friendship Hall,  
Khartoum .**

**5– Mohammed, A., Mysara, Mohamed, I . Hassan. 2010.  
Effect of Changing Crop Rotations on Machinery  
Management using A decision – aid Model . Accepted by**

**Papers under publication :**

- 1 – Mohammed, A., Mysara, Mohamed, I . Hassan. 2010.  
Evaluation & Improvement of Machinery Management  
System of the Rahad Project using A Decision – aid Model .**
- 2 – Nuri , E., Mohamed and Mohammed, A., Mysara , 2009.  
Optimization Model for Agricultural Machinery in  
Binna Scheme (Dongla Area) .**
- 3 – Elsalhab , A. Abd/ Moniem, Mohamed , A. , Mysara , 2009  
Agric. Machinery Selection under Center - pivot Irrigation  
System**

**Supervision of post- graduate studies :**

**1 - Awarded Thesis :**

- 1- A/ Moniem A. Elsalhab, March 2010. Agric. Machinery Field  
performance at cereal production schemes under central pivot  
system.(southern west region – libya ).**
  - 2- Mohammed Elaid Nuri , June 2010. Utilization of Optimization  
Model for Agricultural Machinery Management .**
- 11 - On-Going Supervision :**
- 1- Walla Ahmed Burbur , 2009. A Computer Program for Agric.  
Machinery Management in Multi -Farm System . For Master  
degree.**
  - 2 -Mohamed Yousif , 2009. Computer program for Cost Estimation  
in Suger Cane Factories (SUDAN) .**

**(H) Computer Experience:**

**Use of the following programmes:**

- Visual Basic
- Microsoft Excel
- Microsoft Word
- MS- Project
- Primavera Program
- DAMMAM
- Linear Programming Softwares : LINGO , LINDO , QSB ,  
WHATS BEST and TORA ) .