

Curriculum Vitae

Name: Mahdi Abbas Saad Shakak

Address: Department of Food Science and Technology, College of Agricultural Studies, Sudan University of Science and Technology, Khartoum, Sudan.

Nationality: Sudanese.

Birth Date and Place: Jan. 1951. Merrawe, Northern Province, Sudan.

Qualifications:

B. Sc. (Honours), Department of Biochemistry, University of Khartoum, Sudan (1975).

M. Sc. In Biotechnology, University of Strathclyde, Glasgow, United Kingdom (1982).

Ph. D. in Food Science and Technology, Sudan University of Science and Technology (2008).

Associate Professor.

Training Courses:

- 1- Advanced course in **Yeast Propagation Techniques** in **England** for six months (Oct. 1976 - Feb. 1977).
- 2- Training course in **Brewing Industry** for two months in **West Germany** (1977).
- 3- The advanced training course in: The Management Development and the Building of the Technical Capacities for the heads of the departments in Colleges, Institutes and Centres of Sudan University of Science and Technology. ^{12th} – 23 June 2011. University Staff Development Centre. SUST, Khartoum, Sudan.
- 4- The Ministry of Fisheries and Animal Resource, The General Administration of Animal Health: The National Workshop on: Sanitary and Phytosanitary (SPS).^{17th} – 19th May 2011. VIP Hotel, 29th Street, Elamarat, Khartoum, Sudan.
- 5- Sudanese Standards and Metrology Organization (SSMO) Workshop on: Control of Food Additives Uses. 18th October 2011. The SSMO Tower, Gama Street, Khartoum, Sudan.

Present Post:

Head of the Department of Food Science and Technology, College of Agricultural Studies, Sudan University of Science and Technology since Feb.2008 till now.

- Member of the Faculty Council.
- Member of the Faculty Research Council.
- Member of the Faculty Accreditation Council .
- Member of the Senate (SUST).
- Member of the Committee of the Graduate Incubation Project (College of Agricultural Studies).

Under Graduate Courses I taught:

Subject	Department	Year
1.General Chemistry	1.Soil Sciences	1 st year
	2.Agricultural Economics	1 st year
	3.Agricultural Engineering	1 st year
2,Organic Chemistry	1.Food Science & Technology	1 st year
	2.Animal Production	1 st year
	3.Plant Protection	1 st year
	4.Crop Production	1 st year
	5. Horticulture	1 st year
3.General Biochemistry	1.Food Science & Technology	2 nd year
	2.Animal Production	2 nd year
	3.Plant Protection	2 nd year
	4.Horticulture	2 nd year
	5.Crop Production	2 nd year
	6.Extention & Rural Development	2 nd year
	7.Family & Community Development	2 nd year
	8.Soil Sciences	1 st year
4.Physiological Biochemistry	1.Food Science & Technology	2 nd year
	2.Animal Production	2 nd year
	3. Horticulture	2 nd year
5.Introduction to Food Science & Technology	1. Food Science & Technology	3 rd year
6.Oils & Fats Technology	1. Food Science & Technology	4 th year
7.Plants Management	1. Food Science & Technology	5 th year
9.Plants Environment	1. Food Science & Technology	5 th year
10. Graduation Projects	1. Food Science & Technology	5 th year
11. Industrial Attachment	1.Food Science & Technology	5 th year
12. Academic Supervision	1. Food Science & Technology	5 th year

M. Sc. Courses I taught

Course Name	First Semester	Second Semester
1. Edible Oils & Fats Technology	√	
2.Food Packaging & Packing Technology		√

Internal Examiner:

I have been chosen more than 20 times as internal examiner for Ph. D. and M. Sc. students.

External Examiner:

I have been nominated as an external examiner for M. Sc. students in Faculty of Agriculture, Khartoum University, and School of Health Sciences, Ahfad University for Women.

- 1- **Siddig Adam Bakheit**/ M, Sc. Degree, Desertification and Desert Cultivation Studies Institute (DADCSI), University of Khartoum, Sudan. 18.5.2011.
- 2- **Almubarak Musa Tibin Musa**/ M. Sc. Degree, Department of food Science and Technology, Faculty of Agriculture, University of Khartoum, Sudan. 08.4.2008
- 3- **Mona Mairghani Esmail Mahmoud**, date of exam 11.4.2012.
- 4- **Fatima Abdel rhaman Eldoma** (14.4.2012.

Referee

Sinnar University Journal

Internal Referee of SUST books

Journal of Science and Technology

M. Sc. Supervision:

Three students were graduated last year 2011:-

1. Manal Khtab
2. Eltyp Abdalrahman
3. Omar Mohammed Mokhtar

Now

-Main supervisor for 2 Ph.D. students.

-Co-supervisor for an M. Sc. Student by research.

-Main supervisor for two M. Sc. Students

Other Activities:

Head of the committee of the approved programme for the development of Food Science and Technology (July 2009).

Head of Accreditation Committee of Food Science and Technology till now.

Head of the committee of the approved programme of Diploma in Food Science and Technology (2010) , Faculty of Technology, Sudan University of Science and Technology, Sudan.

Head of the M Sc. Development Programme committee (2011).

Research carried out

- 1- Improvement of Oil Seeds Storage and Pest Management, (joint research between College of Agricultural Studies, SUST. And Crop Protection Research Centre, Agricultural Research Corporation, Shambat (2010 – 2012).

Running researchs

- 1-Uses of Mesquite Fruits As Food, joint research with Japanese Project (2011 - 2014).
- 2-Team member of the poda control in Sudan (EJICA) 2010 -2014)

Previous Posts:

- 1- (Oct. 1975 – Feb. 1976) Field Inspector, Ministry of Agriculture, Sudan.
- 2- **(Feb. 1976 – 1979) Assistant Production Manager, the Blue Nile Brewery.**
- 3- **(1979 – 1982) Deputy Production Manager of the Blue Nile Brewery.**
- 4- **(1982 – 1983) Production Manager of the Blue Nile Brewery.**
- 5- (1984 – 1987) Quality Control Supervisor of the National food industries Co. (A firm specialized in vegetable oil production and laundry soap). Khartoum North Industrial Area, P. O. Box 1935, Khartoum, Sudan.
- 6- (1987 – 1989) Deputy General Manager for Merrawi Sweets, Khartoum North Industrial Area, Sudan.
- 7- **(1989 – 1990) General Manager for Modern Distillery, Khartoum North, Sudan.**
- 8- (Oct. 1990 to June 1991) Production Manager, Satti Oil Mills and Soap Factories, Khartoum North, Sudan.
- 9- **(Oct. 1991 – Aug. 1993) Technical Manager, Watania Distillery Co., Khartoum North, Sudan.**
- 10- (Aug. 1993 – Feb. 1999) General Manger, Hagar Farm, Halfya, Khartoum North, Sudan.

Other Posts:

- 1- Associate Member at Sydney Technical Consulting Office, Manager Mr. A. A. Algadir, Flat No. **11**, 3rd Floor, Juba Insurance Co. Building, Off El-Hurria Street, Khartoum, Sudan.
- 2- Associate Member at Elddar Technical Group for Economical and Industrial Consultancy, Manager M. E. Hashim, Flat No. **9**, 3rd Floor, Osman Elyas Building, Elhurria Street, Khartoum, Sudan.
- 3- Technical Consultant for Anchor Trading Co. (Food packaging factory), Khartoum Industrial Area, Sudan.
- 4- Technical Consultant for Panda Ice cream and Sweets Factory.
- 5- Technical Consultant for Watanea Distillery Co. Khartoum North, Sudan.

Studies:

- 1- **Shakak, M. A. (1984)** A pre-feasibility study on use of the closed brewery and distilleries in Sudan for fuel grade ethanol production from molasses. Ministry of Energy, Khartoum, Sudan.
- 2- **Shakak, M. A.; et al., (1986)** A feasibility study on ethanol project for gasohol purposes. General Petroleum Corporation, Khartoum, Sudan.
- 3- Hammad, S. H. and **Shakak, M. A. (1987)** Production of single cell protein (SCP) as animal feed in the Sudan. Fredrich IBRT, Organization (Germany), Khartoum, Sudan.
- 4- **Shakak, M. A. (1992)** Case study: The rehabilitation of the Blue Nile Brewery in purpose for related food production such as non-alcoholic beer, single cell protein (SCP), beverages and carbon dioxide. Elddar Technical Office, Khartoum, Sudan.
- 5- **Shakak, M. A. (1992)** Re-evaluation of Watania Distillery Co. Khartoum North, Sudan.
- 6- **Shakak, M. A.,** Ahmed, A.R. and Elfaki,A.E. Stability of Some Edible Oil Blends Based on Palm Olein. Journal of Science and Technology, SUST, Sudan. (Accepted 30.11.2010)
- 7- **Shakak, M. A. (2011)** A proposal for evaluation and development of the courses. Workshop: Department of Biochemistry and Food Sciences, Faculty of Natural Resources and Environmental Studies, University of Kordofan. 27th January 2011. El Obeyed, Kordofan, Sudan.
- 8- Ibnouf, M.A.O., Elrasheed, M.M.M., **Shakak, M.A.** And AbdelAziz, H.H.(2011) Policies and Strategies for Food Security in the Sudan. **University of Reading in Partnership with Sudan University of Science and Technology**, University of Khartoum, Gezira University, Ahfad University and Sudan Academy for Banking and Financial Sciences. **The International Symposium on: Food Security and Poverty Alleviation Under Changing Environmental Condition: Challenges and Opportunities in Sudan.** Khartoum 12 – 14th December 2011. Corinthia Hotel Khartoum. Sudan.
- 9- Babiker, A. G., Makawi, A. A., Alshifa, A. Mirghani, Mohamed, H. I., **Shakak, M. A.,** Hamid, S. A. (2011). Agricultural production in Sudan: Problems and Future Prospective. **University of Reading in Partnership with Sudan University of Science and Technology**, University of Khartoum, Gezira University, Ahfad University and Sudan Academy for Banking and Financial Sciences. **The International Symposium on: Food Security and Poverty Alleviation Under Changing Environmental Condition: Challenges and Opportunities in Sudan.** Khartoum 12 – 14th December 2011. Corinthia Hotel Khartoum. Sudan.

10 - Susan M. A. El- Nazir, Ibrahim H. Babikir, Mahdi A. S. Shakak, Ilham A. Sulieman and Raian M. Medani (2012). A Note on Self-heating and Spontaneous Combustion of Stored Sunflower Seed Cake and Cotton Seeds. U. of K. J. Agric. Sci. 20(1), 113 – 118, Sudan.