CURRICULUM VITAE

A) PERSONAL DATA

Name	Hattim Makki Mohamed Makki
Place of birth	Omdurman
Current address	Dept. of Food Science and Technology, College of Agric.Studies, Sudan.Univ.of Sciendes and Technology, Khartoum, Sudan.
Marital status	Married.
Academic status	Professor in Food Technology.
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B) ACADEMIC BACKGROUND

1977-1981	B.Sc. in Food Technology, Faculty of Agric., Univ. of Alexandria, Egypt.
1982-1985	M.Sc. in Food Sciences and Technology, Faculty of agric., Univ. of Alexandria, Egypt.
1994-1998	Ph.D. in Food Technology, Institute of Food Technology, Vienna Agric. Univ.(BOKU), Vienna, Austria.

C) WORK EXPERIENCE

1986-1991	Food Security Specialist, Ministry of Agric., Khartoum, Sudan.
1991-1998	Research Scientist, Food Research Centre, Agricultural Research Corporation, Sudan.
1998-2001	Assistant Professor in Food Technology, Food Research Centre, Agricultural Research Corporation, Sudan.
2001-2006	Assistant Professor in Food Technology, College of Agric. Studies, Sudan Univ. of Sciences and Technology, Sudan.
2006-2011	Associate Professor in Food Technology, College of Agric. Studies, Sudan Univ. of Sciences and Technology, Sudan.
2011 till now	Professor in Food Technology. College of Agric. Studies, Sudan Univ. of Sciences and Technology, Sudan.

D) SCIENTIFIC ACTIVITIES

[i] Publications:

(a) Scientific Papers

1- Mazaher Abd Elrahim Mohammed, Hattim Makki Mohamed Makki and Abd El Moneim Ibrahim Mustafa (2011). Production of cereal-based infant food from sorghum [*Sorghum biocolor* (L) Moench] and pigeon pea (*Cajanus cajan*). *Pakistan Journal of Nutrition*, 10 (10): 910-913.

2- Hattim Mekki Mohamed Makki (2011). Production of protein concentrates and maltodextrin from sorghum by using alpha-amylase enzyme. Submitted for publication in J. Sudan University of Science and Technology, June 2011..

3- Mazaher Abd Elrahim Mohammed, Hattim Makki Mohamed Makki and Abd El Moneim Ibrahim Mustafa (2009). Effect of cooking and drum drying on the nutritive value of sorghum-pigeon pea composite flour. *Pakistan Journal of Nutrition*, 8 (7): 988-992.

4- Hattim Makki and Emmerich Berghofer (2007). Effect of extrusion cooking on amino acids composition, protein score and net protein value of Feterita sorghum-white bean composite flour. *Journal of Food Science and Technology*, Vol. (2): 126-134. Food Research Center, Khartoum, Sudan.

5- Mazaher Abd Elrahim Mohammed, Hattim Makki Mohamed Makki and Abd El Moneim Ibrahim Mustafa (2007). Nutritional features of Feterita sorghum (*Sorghum bicolor* (L.) Moench) flour supplemented with Pigeon pea (*Cajanus cajan*) flour. *Journal of Food Science and Technology*, Vol. (2): 74-85. Food Research Center, Khartoum, Sudan.

6- Hattim Makki and Emmerich Berghofer (2006). Effect of drum drying on amino acids profile, protein score and net protein value of Feterita sorghum-white bean composite flour. *Journal of Food Science and Technology*, Vol. (1): 8-15. Food Research Center, Khartoum, Sudan.

7- Hattim Makki and Emmerich Berghofer (2006). A note on supplementation on Feterita sorghum flour with white bean flour on sorghum protein quality. *Journal of Agricultural Sciences*, 14 (3): 486-492. University of Khartoum, Sudan.

8- Tag Elsir Khidir and Hattim Makki (1995). Processing and quality characteristics of mango yoghurt. *Journal of Agricultural Sciences*, Vol.(2): 156-162. University of Khartoum, Sudan.

9- Hattim Makki, Moustafa Safwat and Mohamed K. Mohamed (1994). Evaluation of sweet potato varieties. 1. Studies on sweet potato protein isolate. *Journal of Agricultural Sciences*, Vol.(2): 57-66. University of Khartoum, Sudan.

10- Hattim Makki and Hassan Elsheikh (1988). Food situation in Sudan. Country paper, WHO/FAO International country meeting on Nutrition Surveillance, Islamabad, Pakistan, 23-27 October, 1988.

11- Hattim Makki, A.Y. Abdel-Rahman, M.K.M Khalil, M.S. Mohamed (1986). Chemical Composition of Egyptian sweet potatoes. *Food Chemistry*, Vol. (20):39-44.

(b) Published Studies

1- Pilot study for food consumption patterns for food insecure groups in Khartoum area. Published by the Food Security Unit, MOANAR, Khartoum, Sudan, February (1991).

2- Food consumption and nutritional situation in Khartoum State. General Dept. of Planning, Researches and Studies, Ministry of Agric., Khartoum State, Khartoum, Sudan. November (2004).

3- Food consumption and nutritional situation in Northern State. General Dept. of Planning and Agricultural Economics, Dept. of Food Security, Federal Ministry of Agric., Khartoum, Sudan. March (2005).

4- Food consumption and nutritional situation in River Nile State. General Dept. of Planning and Agricultural Economics, Dept. of Food Security, Federal Ministry of Agric., Khartoum, Sudan. March (2005).

5- Food consumption and nutritional situation in Khartoum State. General Dept. of Planning and Agricultural Economics, Dept. of Food Security, Federal Ministry of Agric., Khartoum, Sudan. April (2005).

6- Food consumption and nutritional situation in Northern Kordofan State. General Dept. of Planning and Agricultural Economics, Dept. of Food Security, Federal Ministry of Agric., Khartoum, Sudan. April (2005).

7- Food consumption and nutritional situation in Sennar State. General Dept. of Planning and Agricultural Economics, Dept. of Food Security, Federal Ministry of Agric., Khartoum, Sudan. May (2005).

8- Prospects of Agro-industries in Khartoum State. General Dept. of Planning, Researches and Studies, Ministry of Agric., Khartoum State, Khartoum, Sudan (2007).

9- Marketing of agricultural products in Khartoum State. General Dept. of Planning, Researches and Studies, Ministry of Agric., Khartoum State, Khartoum, Sudan (2007).

(ii) Awards and Patents

1- Award of Distinguished Scientific Research from the Ministry of Sciences and Technology (2004).

2- Patent No.(502). Production of protein-enriched baby food from Sudanese sorghum.Granted Under the Patent Act. (1971), Ministry of Justice, Khartoum, Sudan.

3- Patent No.(503). Production of protein concentrates, maltodextrin and glucose syrup from Sudanese sorghum.Granted Under the Patent Act.(1971), Ministry of Justice, Khartoum, Sudan.

4- Patent No.(1865). Production of banana flour and its utilization in biscuits production. Granted Under the Patent Act.(1971), Ministry of Justice, Khartoum, Sudan, May, 18, 2011.

5- Patent No.(1851). Production of banana jam. Granted Under the Patent Act.(1971), Ministry of Justice, Khartoum, Sudan, May, 23, 2011.

6- Patent No. (1914). Production of Hulu-mur Concentrate from Hulu-mur Flakes. Granted Under the Patent Act.(1971), Ministry of Justice, Khartoum, Sudan,Decemeber, 2011.

7- Patent No. (1914). Production of Soft Drink from Hulu-mur Flakes. Granted Under the Patent Act.(1971), Ministry of Justice, Khartoum, Sudan,Decemeber, 2011.

(iii) Academic Supervision

Scientific Degree	No. of Students
B.Sc (Dissertation)	26
M.Sc	7
Ph.D	5

(iv) Teaching activities

Now, I am teaching the following courses for B.Sc. and Postgraduate students:

A- B.Sc level:

1- Principles of Food Processing Engineering
2- Operation Units
3- Human Nutrition
4- Principles of Fruits and Vegetables Technology
5- Physical Chemistry
6- Food Canning Technology
7- Food Dehydration Technology

B- Postgraduate level:

1- Advance Food Processing Engineering
2- Advance Fruits and Vegetables Technology

(v) Local and International Training

1- Self evaluation and quality assurance management for higher educational institutions.Faculty of Vetrinary Sience, Sudan University of Sceince and Technology, Khartoum North, 23-24/3/2010.

2- In-plant group training programme in the field of fruits and vegetables processing. Organized by the UNIDO, the Goverment of Turkey and Marmara Research Centre, Gebze, Turkey, 1993.

3- Vegetable oil processing. Arab Sudanese Vegetable Oil Company, Khartoum, Sudan, 1987.

4- Food processing and preservation. Saaid Food Factory, Khartoum North, Sudan, 1980.

(vi) <u>International Conferences</u>

1- WHO/ FAO Conference on Nutrition Surveillance. Islamabad, Pakistan, 23-27,10,1989.

2- International Symposium on Apricot Culture. Izmir,Tukey, Sept.,20-24, 1993.

3- Verein Osterreichischer Lebensmittel-und Biotechnologen Osterrichische Gesellschaft fur Biotechnologie conference on perspektiven in Der Lebensmittel-und Biotechnologie.Vienna, Austria, 20-21,11,1997.

4- 16th Conference on Cereal Science and its Contribution to health and Well-Being. Vienna, Austria, 9-12,5,1998.

5- International Conference on Organic Farming. Organized by College of Agricultural Studies, Sudan Univ. of Science and Technology. Friendship Hall, Khartoum, Sudan. 6-7 April, 2010.

6- Regional Conference on Sudanese Wheat. Organized by the Food Research Centre and Seen Company. Al-Fatih Tower, Khartoum, Sudan. 18-19 October, 2010.

7- 4th International Conference on Agriculture and Rural Development. Haiel, Saudi Arabia, 5-7 April, 2011.

<u>(vii) Scientific Membership</u>

1- Sudanese Inventors Union.
2- Sudanese Agricultural Engineers Union.
3- Sudanese Horticultural Society.