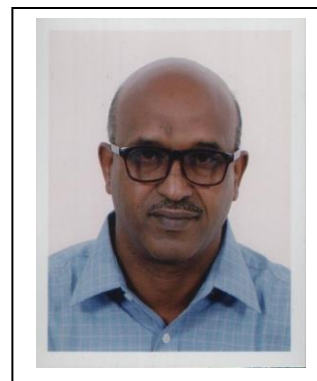


## C.V.

**Name:** Mohamed Amin Mohamed Siddig



**Address:** Botany Department, Faculty of Science,  
University of Khartoum,  
P O Box: 321 Zip 11115 Khartoum, Sudan.

**Language:** Arabic (mother language)  
English

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**Date of Birth:** 27 August, 1948.

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**Education:** Ph D Genetics, Leeds University, United Kingdom, 1979  
B. Sc. (Honours) Botany, Second Class Division I,  
University of Khartoum, Sudan, 1973 + Prize for the  
the best Student in the Academic Year, 1972/1973.

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### Work Experience:

**1. 1997- to date: Associate Professor**, Botany department, Faculty of Science,  
University of Khartoum, Sudan.

Besides teaching and research I was assigned the following academic  
administrative duties

- a. Head of the scientific committee for the celebrating the Diamond Jubilee of the Faculty of Science, University of Khartoum.
- b. Co-coordinator of teaching basic Sciences to preliminary year Students of the Faculty of Dentistry Medicine, University of Khartoum since 2009 2017.

- c. Co-ordinator of teaching basic Sciences to preliminary year Students of the Faculties of Pharmacy, University of Khartoum since 2009- 2017.
- d. 1998- 2013: Member of the Field Training Committee, for botany students.
- e. (2001-2008) and (2010-2013) Secretary, botany Department Board,
- f. 1999- to date: Botany Department Representative in the Committee for assignment of Biology Students to specialized departments .
- g. 1999- 2011: Member of the Laboratory Organization Committee, Faculty of Science.
- a2009 -2010Member of the Faculty of Science for Assessment of the performance of the first year Students (biological Sections).
- h. Coordinator of teaching basic Sciences to first year Medical students, Faculty of medicine, University of Khartoum, Sudan, 2007-2008.

**2.1994 – 1996:** Part-time Consultant; Tanmiah Consultants Ltd. Company, Cairo, Egypt. Duties included survey of Human Resources in Arab Countries in Science and technology, civil and agricultural engineering and environmental planning.

**3. 1990-1994:** Assistant Professor, biology department, Tahadi University, Misrata. Libya; seconded by University of Khartoum, Sudan. Besides my teaching duties I was assigned as secretary of the Examinations and curricula committee in the last two years of my work. .

**4. 1989-1990:** Assistant Professor, Faculty of Science, Sebha University, Libya; seconded by University of Khartoum, Sudan. Besides my teaching duties at the Faculty of Science, I was assigned the duty of teaching genetics and biochemistry to first year students at the Faculty of medicine, Sebha University.

**5.1979-1989** Assistant Professor, botany department, faculty of science, University of Khartoum:

- 6. 1987- 1988: Head, Botany department,**
  - member Faculty Board of Science,
  - Member of Senate University of Khartoum.

**7. 1984-1986: Representative of the Faculty of Science in the in the Postgraduate College Board for Basic and Engineering Sciences.**

**8. 1982- 1983: Acting Registrar and Chairman Examinations committee,** Faculty of Science, University of Khartoum,

**9. 1981-1982: Examination Officer**, Botany Department and member of the Faculty of Science Examinations Committee

**10. 1979-1980: Secretary, Botany Department Board.**

**11. 1974- 1979: Teaching Assistant and senior scholar of University of Khartoum at University of Leeds, United Kingdom.**

**Training courses:**

- H3ABioNet IBT, 2016: Introduction to Bioinformatics course (IBT); theoretical and practical sessions focusing on important bioinformatic tools and resources and allowing participants to gain practical experience in using various tools and resources.
- Training course in Microbial and Genetic Methods for Selection of Industrial Enzymes, Science Research Council, Life Science Center, Baghdad, Iraq, 2-4 December, 1986.

**Teaching Experience:**

**A. At undergraduate level**

- **Specialization topics:** General genetics –Advanced Mendelian genetics – Introduction to population genetics - bacterial genetics– molecular genetics – Cell Biology- Host parasite relationships-Introduction to recombinant DNA technology.
- **General topics:** Plant morphology and anatomy- plant physiology – floral morphology- Biochemistry.

**B. Postgraduate teaching:**

1. **Advanced Microbial Genetics:** MOMB723. Al Nileen University, Module in M Sc. Microbial Molecular Genetics.
2. SMZ 1.3 Advanced course in Gene expression, M Sc in Genetics and Molecular biology, University of Khartoum
3. SMZ 3.3: Advanced Microbial Genetics; M Sc in Genetics and Molecular biology, University of Khartoum
4. Environmental Microbiology; M Sc course in Public and Environmental Health, University of Khartoum.

5. Composition and safety of plant food; M Sc course in Public and Environmental Health, University of Khartoum.
6. Research Methods in Environmental Research, M Sc in Environmental Science, Institute of Environmental Studies, University of Khartoum.

### **C. Postgraduate training**

#### **M Sc. Supervision**

Exploration of potential of some indigenous *Pseudomonas* spp. isolates in degradation of the insecticide Imidocloprid (Gaucho). M Sc University of Khartoum, Sudan, 2010.

Biochemical, Serological and Molecular Characterization of *Salmonella* spp. Isolated from Poultry in Khartoum State. M.Sc. University of Khartoum, 2008 (Hassan El Siddig Hag Elsafi).

Inheritance of stimulant production by *Sorghum bicolor* to *Striga hermonthica*. M Sc., University of Khartoum, 1984. Mahsin Abdel Rahim Osman).

#### **M Sc Co-Supervision**

Isolation, Identification, Serotyping and Antibiotic Susceptibility testing of Human Salmonella in Khartoum State. M.Sc. University of Khartoum, 2007 (Haleema Salih).

Biochemical, Serological and Molecular Characterization of Salmonella spp. Isolated from Different Sources in Sudan. M.Sc. University of Khartoum, 2007 (Mayha M. Ali Nourelmedaina).

Cultural, Biochemical, Serological and Molecular Characterization of Salmonella spp. Isolated from Food and Water in Khartoum State, Sudan. M.Sc. University of Khartoum, 2008 (Sara Mahmoud El Sayed).

Molecular approach to the taxonomy of some plant parasitic nematodes in Central Sudan. M. Sc. University of Khartoum, Sudan, 2004. ( Haidar Abd Al Gadir Mohamed Ahmed.

A study of origin of *E.coli* resistance to some antibiotics commonly used in Sudan. M. Sc., Khartoum University. 1986. (Khalid Osman Mahgoub)

### **Ph. D. Supervision**

Molecular characterization and comparative study of occurrence of CTX-M, TEM and SHV types  $\beta$ -Lactamase producing Enterobacteriaceae from different regions of Sudan. Ph. D. University of Khartoum, Sudan, 2015. (Hisham Nour Aldayem Altayeb Mohammed).

Antimicrobial resistance and molecular typing of *Campylobacter* spp isolated from poultry in Khartoum State, Sudan. (Hassan Elsiddig Hassan Hag Elsafi, 2007)

Exploration of cold shock proteins and small acid soluble spore proteins in *Lysinibacillus sphaericus*, *L. fusiformis* and *L. fusiformis*-like isolates MK3/4. Ph D. University of Khartoum, Sudan, 2014. (Azhari Daffa Alla Elkhidir Hassan, 2014).

Bacterial contamination of cattle meat with special reference to *Campylobacter* spp. In Sudan. Ph. D. Kassala University, Sudan, 2013 (Imitithal Gibril Ali)

### **Ph D Co-Supervision**

Genetic Transformation of Sudanese Cotton (*Gossypium* spp.) Cultivars for Improved Insect Resistance Using *Agrobacterium tumefaciens* as a Vector, Ph.D., University of Khartoum, 2014 (Iman Khalifa Abdel Gadir Ahmed).

Optimization of fermentation conditions for citric acid production by *Aspergillus niger* in submerged culture. Ph.D University of Khartoum, 2012 (Shaza Gamal Mohammed Ali).

Molecular Aspects of *Agrobacterium*-Host Interaction and Production of Transgenic Tomato Plants Expressing Defensin Gene. Ph.D. University of Khartoum, 2009 (Marmar A. El Siddig).

### **Contribution to Society:**

- Member and Coordinator of the committee on setting the curricula of the Faculty of Science, Dilang University. **25-27<sup>th</sup> August 2006** Dilang, Sudan, and member of the committee in charge of setting the curricula of the Faculty of Science, Dilang University, Sudan.
- Member of the steering committee for the National Workshop about: Arabicization of Science Instruction in the faculty of science, University of Khartoum, 26-28<sup>th</sup>.April, 2005, Sharija Hall, University of Khartoum
- Member and Coordinator of the committee on setting the curricula of the Faculty of Science Shendi University, Sudan. Shendi, **18-20<sup>th</sup> June 2004** and member of the committee in charge of setting the curricula of the Faculty of Science, Shendi University, Sudan.
- **November 2002** – Member and coordinator of the committee in charge of setting the curricula for Faculty of Applied Sciences, Red Sea University, Sudan.
- Design of a course in (Medical Genetics) to pre-clinical Medical students at the University of Gadarif, 2001.
- Member of the Committee of the National centre for curriculum and Educational Research, Bakht-er-Ruda (NCCER) for revision of biology curriculum for the Sudan School Certificate, 1999-2001.
- Secretary, Preparatory Committee for (Genetic Engineering and Biotechnology), National Council of Research, Sudan, 1986-1988. One of the achievements of this committee was the conduction of the first ‘Introductory Course to Genetic Engineering’, in collaboration with the Biochemistry Department, Faculty of Medicine, U. Of K, and The Medical School, Middlesex Hospital, UK and under the auspices of National Research Council, Sudan, in which I participated in organization and instruction, 3-24 February, 1986.
- Initiator and Instructor in: An Introductory Course to Genetic Engineering, Faculty of Medicine, U. of K., Khartoum in collaboration with The Medical School, Middlesex Hospital, UK and under the auspices of the National Research Council, Sudan, 3-24 February, 1986.
- **Initiator and Coordinator of an Exchange Program** between The Faculty of Science, U. of K. and the Faculty of Medicine, Friendship University, (former USSR).

- **Member, The Academic Board** of The Military College, Sudan, 1984-1986 and part-time lecturer. Duties included participation in policy making for revision of science courses curricula and vetting on examination results.
- **Setter and Supervisor of Biology Examinations** for the Sudan School Certificate, Ministry of Education, Sudan, 1981-1988.

### **Poster Presentations:**

1. M.M. Nor Elmadiena, A.A. El-Hussein, **M.A.M. Siddig**, C.A. Muckle, L. Cole, E. Wilkie, K. Mistry. 2010. Poster presentation: Serological, Molecular Characterization and Antimicrobial Susceptibility of Salmonella spp. Isolated from Different Sources in Sudan, Faculty of Graduate Studies and Scientific research conference, University of Khartoum, Scientific Research in pillar of civilization Development, February 27- 2 March, 2010, Khartoum, Sudan. (Presented by M.M. Nor Elmadiena).
2. M.M. Nor Elmadiena, A.A. El-Hussein, **M.A.M. Siddig**, C.A. Muckle, L. Cole, E. Wilkie, K. Mistry. **2009**. Poster Presentation: Serological, Molecular Characterization and Antimicrobial Susceptibility of Salmonella spp. Isolated from Different Sources in Sudan, 3rd ASM *Conference on Salmonella: Biology, Pathogenesis & Prevention*, October 5 - 9, 2009, Aix-en-Provence, France. (presented by M.M. Nor Elmadiena).
3. M.M. Nor Elmadiena, A.A. El-Hussein, **M.A.M. Siddig**, C.A. Muckle, L. Cole, E. Wilkie, K. Mistry. 2010. Oral and poster presentation: Molecular Characterization and Antimicrobial Susceptibility of Salmonella spp. Isolated from Different Sources in Sudan, 6<sup>th</sup>. *Conference on New Frontiers in Microbiology and Infection (CNFMI), Salmonella*, Villars-sur-Ollon, Switzerland, 3-7 October, 2010. (presented by M.M. Nor Elmadiena).

### **Teaching at Universities other than University of Khartoum**

- Taught Freshman Biology course to first year students at Al Ahfad University for Women (2009 -2012).

- Taught Classical and non- Mendelian genetics, Molecular genetics, Bacterial Genetics, to second, third and fourth year students, respectively at Africa International University, Sudan (2005- 2010)
- Biochemistry to 4<sup>th</sup> and 5<sup>th</sup> year B.Sc Students at the University of Kordofan in the Academic Year 2006-2007
- Design and teaching a course in Medical Genetics to pre-clinical Medical students at the University of Gadarif (2002-2005)
- 
- Taught Cell Biology, Bacterial Genetics, Molecular Genetics and an introductory course on Genetic Engineering courses at AL Nielien University, Khartoum, Sudan 2002- 2004).
- Molecular Genetics to third year pharmacy students at The Academy of Medicine, Science and Technology – Mamoon Humeida- in Sudan (1999 - 2000).

### **Vetting on Postgraduate Degrees**

- Internal Examiner to several Ph D and M Sc degrees, Univeristy of Khartoum, Sudan.
- External Examiner to several M Sc, degree manuscripts, Gezira University, Sudan.
- External Examiner to several M Sc degree manuscripts, Al Nilien University, Sudan.

### **Participation in conferences and workshops.**

1. The seventh Graduate Studies and and Scientific Research (conference in Basic Sciences and Engineering Sciences) under the theme Scientific Research and Innovation for Sustainable Development in Africa. Graduate College and Directorate of Scientific Research and Cultural Relations Dicrectorate, University of Khartoum, 21<sup>st</sup>.- 23<sup>rd</sup>.February, 2016.
2. The sixth seventh Graduate Studies and and Scientific Research (conference in Basic Sciences and Engineering Sciences). Graduate College



and Directorate of Scientific Research and Cultural Relations, University of Khartoum, 17<sup>th</sup>.-20<sup>th</sup>. February, 2012, Friendship Hall, Khartoum.

3. The Third International Conference of Genetic Engineering and Biotechnology Research division (Biotechnology for Better Life). 3-5, November, 2009, Cairo, Egypt.

4. Workshop on (Basic Sciences as a corner stone of development). Ministry of High Education and scientific Research, under the auspices of the Ministry of High Education and Research. Alzubair Mohamed Salih conference Hall, 21.12.2008. Khartoum, Sudan.

5. The General Administration of Plant Protection, Ministry of Agriculture, Sudan; Food and Agriculture Organisation (FAO); and the Science Research Council, University of Sudan, **2<sup>6th</sup> November 2007**.

6. Workshop on: Tour of FAO Experts; FAO/WFP Consultation Mission Programme. Venue. SSMO premises, Khartoum 18-20<sup>th</sup>.. June 2007. Khartoum, Sudan where I chaired two sessions.

7. Workshop on Broomrape (Halouk) *Orobancha spp*; Agricultural Conference Hall, organized by the Agricultural Research and Biotechnolgy corporation, Ministry of Science and Technology, **7<sup>th</sup> May 2005**, Khartoum, Sudan.

8. The Experience of Arabicization in the Faculty of Science; 26-28 April, 2005, El Sharija Hall; University of Khartoum under the auspices of the Vice-Chancellor, University of Khartoum, 26-28<sup>th</sup> April , 2005, Khartoum, Sudan.

9. Assessment of National Capacity Building Needs with Relation to Managing Access to Genetic Resources and Benefit Sharing; Biotechnology and life sciences workshop; 13-16 July, 2003 conference Hall, Arab Organization for Agricultural development, 29-30<sup>th</sup> July 2003, Khartoum, Sudan.

10. “The Cloning Dilemma”; a conference held by Dubai Police Authority, Dubai Police head Quarters, 4-5<sup>th</sup> April 1998, Dubai, UAE.

11. Invited participant to the Forum of Scientists; a meeting organised by the Preparatory Committee on the Establishment of the International Centre for

Genetic Engineering and Biotechnology and held under the auspices of UNIDO; 27-30<sup>th</sup> March 1998, Val Rosandra, Italy.

12. The Twelfth Session of the Preparatory Committee on the Establishment of An International Centre for Genetic Engineering and Biotechnology. It was held under the auspices of UNIDO, 23-25<sup>th</sup> March 1988, Trieste, Italy.

13. The Eleventh Session of the Preparatory Committee on the Establishment of An International Centre for Genetic Engineering and Biotechnology. It was held under the auspices of UNIDO, 2-4<sup>th</sup> December 1987, Vienna, Austria.

### **Publicatons (in English):**

1. Hisham N Altayb<sup>1</sup>, Nagwa M El Amin<sup>2</sup>, Maowia M. Mukhtar<sup>1</sup>, Mohamed A. Hassan<sup>3</sup> and **Mohamed A M Siddig**<sup>4</sup>. Molecular Characterization of CTX-M Beta-Lactamases Genes among Pathogenic Enterobacteriaceae isolated from different regions in Sudan (in progress).
2. Hisham N Altayb<sup>1</sup>, Nagwa M El Amin<sup>2</sup>, Maowia M. Mukhtar<sup>1</sup>, Mohamed A. Hassan<sup>3</sup> and **Mohamed A M Siddig**<sup>4</sup>. Detection of novel SHV Extended-Spectrum Beta-Lactamase gene mutation in *Klebsiella pneumoniae* isolated from patient in Eastern Sudan. Current Research in Microbiology and Biotechnology Vol. 3, No. 1 (2015): 542-549. Research Article. Open Access ISSN: 2320-2246
3. Hisham N Altayb, Nagwa, M El Amin, Maowia M. Mukhtar, Mohamed Ahmed Salih, **Mohamed A M Siddig**, 2014. Molecular Characterization and in Silico Analysis of a Novel Mutation in TEM-1 Beta-Lactamase Gene among Pathogenic *E. coli* infecting a Sudanese Patient. *Am. J. Microbiol. Re.* 2( 6): 217-223.
4. Yousif, M. T., Al-Mustafa, S. A., and **Siddig, M. A. M**, 2011. Enzymatic activity, herbicide resistance and plasmid characteristics of the indigenous *Agrobacterium tumefaciens* SDB 0012. *Arab J. Biotech.*, 14 (1): 89-100.
5. El Hussein A. A., Nor Elmadiena, M. M., Elsaid, S. M., **Siddig, M.A.M.**, Muckle, C.A., Cole, L., Wilkie, E. and Mistry, K., 2010. Prevalence of *Salmonella enterica* subspecies enterica serovars in Khartoum State, Sudan. *Res. J. Microbiol.* 5:966-973

6. El-Hussein, A.A., S.A. Tawfig, S.G. Mohammed, M.A. El-Siddig and **M.A.M. Siddig**, 2009. Citric acid production from Kenana cane molasses by *Aspergillus niger* in submerged fermentation. *J. Genetic Engineering and Biotechnology*, (2): 51-57.
7. El Siddig, M.A., El Hussein, A.A., **Siddig, M.A.**, Elballa, M.M. and Saker, M.M. (2009). *Agrobacterium*-mediated Transformation and in vitro Regeneration of of Tomato (*Lycopersicon esculentum* Mill.) Plants cv. Castle Rock. *Journal of Genetic Engineering and Biotechnology*, 7 (1): 11-17.
8. Hag Elsafi, H. E. H., Nor Elmadiena, M. M., El Hussein, A. A., **Siddig, M. A. M.**, Muckle, C. A., Cole, L., Wilkie, E. and Mistry, K., (2009). *Salmonella* Umbadah: A New Serovar isolated from cattle and other serovars Sudan. *Tropical Animal Health and Production*, 41. 1605-1606.
9. Gigani, O. B., **Siddig, M. A. M.** and Pekhov, A. P., 1988. Genetic characteristics of Transposons Tn 6-2 and Tn 19-1. *Bulletin of Exp. Biol. And Med.*, 9: 347-349.
10. Gigani, O. B., **Siddig, M. A. M.**, Gubar, E. V., Shchipkov, V. P. and Pekhov, A. P., 1988. Transposon content of non-conjugative plasmids in *E. coli*. *Bulletin of Exp. Biol. and Med.*, 12: 711-714.
11. El Sinnary, K. A., Saad, M.B, Mubarak, S. and **Siddig, M. A. M.**, 1983. A description of *Trachygonetrica quadrilabiata* and *Atractes africana* (Ottlepp,1933) from desert tortoise *Testudo sulcata* in Khartoum Zoo. *J. of Vet. Res.*, 1-8.
12. **Siddig, M. A. M.** and Musselman, J, Lytton, 1983. Pollinators of *Hydnora abyssinca*. *Haustorium*; 2.
13. **Siddig M. A. M.**, Kinsey JA, Fincham, J. R., Keighren, 1980. M. Frameshift mutations affecting the N-terminal sequence of Neurospora NADP-specific glutamate dehydrogenase. *J Mol Biol.*, 137(2):125–135
14. Kinsey, John A.; Fincham, J. R. S., **Siddig, M. A. M.**; Keighren, M., 1980. New Mutational Variants of Neurospora NADP-Specific Glutamate Dehydrogenase. *Genetics*. 95 (2):305–316.

15. Al Khalifa, M.D. And **Siddig, M.A.M.**, 1974. Crown-gall on Castor Bean leaves. IV. Induction of Tyrosinase Activity. *Agnew Botanik*, 48: 281-286.

### Conference Papers

2. Hassan. E. Hag Elsafi, **Mohamed. A. M. Siddig**, Anne C. Muckle, Jaime. Martinez-Urtaza. 2016. Antimicrobial Drug Resistance and Plasmid Profiling of *Salmonella* spp. Isolated from Poultry in Khartoum State, Sudan. The seventh Graduate Studies and Scientific research (Conference in Basic and Engineering Sciences under the theme Scientific Research and innovation for sustainable development in Africa. Khartoum-Sudan 20-23 February, 2016
3. Hag Elsafi, H. E. and **Siddig, M. A. M.**, 2016. Antimicrobial drug resistance and plasmid profiling of *Salmonella* spp. Isolated from poultry in Khartoum State, Sudan.
4. M. M. Nor Elmadiena, A. A. El Hussein and **M. A. M. Siddig** (2010). Serological, Molecular Characterization and Antimicrobial susceptibility of *Salmonella* spp. Isolated from Different Sources in Sudan. Proceeding of the 1<sup>st</sup> Conference of University of Khartoum, Graduate College.
5. El Siddig, M.A., El Hussein, A.A., **Siddig, M.A.**, Elballa, M.M. and Saker, M.M. (2010). *Agrobacterium*-Mediated Transformation of Tomato Plants Expressing Defensin Gene. Proceeding of the 1<sup>st</sup> Conference of University of Khartoum, Graduate College.
6. **Siddig, M. A. M.**, 2003. Aspects of teaching Genetics and biotechnology at the Botany Department, Faculty of science, University of Khartoum. *Biotechnology and Life Sciences Workshop, 13-16 July, 2003. Conference Hall, Arab Organization for Agricultural Development, Khartoum.*
7. **Siddig, M. A. M.**, 1999. Ethical Regulation of Advanced Research in Genetics and Molecular Biology. The first conference on the Social, Ethical and Legal Repurcussions of Advanced Research in Genetics and Molecular Biology. *Organized by Sudan Institute of Natural Sciences, 14<sup>th</sup>. July, 1999, Sharija conference Hall, University of Khartoum, Sudan.*

8. Sinada, F A B, Elnur, E. E. and **Siddig, M A M**, (The importance of basic sciences in the overall development. Workshop on (Basic Sciences as a corner stone of development). Ministry of High Education and scientific Research, under the auspices of the Ministry of High Education and Research. Alzubair Mohamed Salih conference Hall, 21.12.2008. Khartoum, Sudan. (in Arabic)

**Membership of societies:**

**Member, American Society for Microbiology.**

**Establishing member, Sudan Academy of Science, 2005 up to date,**

**Member, Sudanese Biological Association.**

**References:**

1. Dr. El Bushra El Shiehk El Nour, Associate professor, Botany Department, Faculty of Science, University of Khartoum, Sudan. E-mail: [elbushraelnur@gmail.com](mailto:elbushraelnur@gmail.com)
2. Dr. Faisal Abd Allha Sinada, Associate professor, Botany Department, Faculty of Science, University of Khartoum, Sudan. E-mail: [fsinada@gmail.com](mailto:fsinada@gmail.com)
3. Dr. Slah Bashir Abd Allha, Dean, Faculty of Science, University of Khartoum. E-mail: [sbabdall@gmail.com](mailto:sbabdall@gmail.com)

This is to certify that this is  
a true copy of the original  
which was shown to me this  
12 day of SEP 1988 at  
the British Embassy,  
Khartoum.



W M STEVENSON  
British Vice-Consul



THE UNIVERSITY OF LEEDS

## DEGREE OF DOCTOR OF PHILOSOPHY

IT IS HEREBY CERTIFIED THAT

MOHAMAD AMIN MOHAMAD SIDDIG  
WAS ADMITTED TO THE DEGREE OF DOCTOR OF PHILOSOPHY  
IN THIS UNIVERSITY

ON THE FOURTH DAY OF JULY 1979



*Boyle of Handsworth*

VICE-CHANCELLOR

*L. Lachapere*

REGISTRAR