

Curriculum Vitae

Personal Information:

Name: Elsorra Elamin IDRIS AHMED (Mrs)



Place of Birth: El Hag Abdallah /El Gezira State/Republic of Sudan

Date of Birth: January/01/1968

Marital status: Married with three children

Present position: Associate Professor at Khartoum University

Education Background and Qualifications:

1974 - 1980: Primary School/Elgosyra-ElHag Abdalla/Elgezira state/Sudan

1980 - 1983: Intermediate School/Elgezira state/Sudan

1983 - 1986: Higher Secondary School (ElManagil): (Sudanese Certificate)

Khartoum- and Humboldt Universities:

1986 - 1987: Preliminary Year (Faculty of Science)

1987 - 1992: Faculty of Agriculture (B.Sc. Agric. Honours Class One with prizes from

Khartoum University and Agricultural Bank/Sudan)

1994- 1996: Faculty of Agriculture/U. of K. (M.Sc. Agric./Soil microbial Biotechnology).

1999/April- 2002/Oct.: Humboldt-University/Berlin (PhD Agric.), specialization molecular microbial genetics/ modern Biotechnology (Grade 1)

March/04 – Feb./2006: Humboldt-University/Berlin, Postdoctoral Studies with Alexander von Humboldt Fellowship/Georg-Foster fellowship for technology transfer to the developing countries/Berlin/Germany

Languages :

Arabic (mother language)

English (excellent written and spoken)

German (excellent written and spoken)

Activities during the PhD and Postdoctoral studies:

Oct./1999: Molecular Biology course “Rotational Advance Studies Programme” at Hohenheim University/Stuttgart/Germany

- Course on “Learning and Visualization” at Humboldt-University, Berlin
- Statistical Analysis Courses (SPSS, SAS) at Humboldt-University, Berlin
- Scientific Visits to Agric. and. Biotech. Factories and Companies organized by Dept. of Plant Phytomedicine/HUB.
- Visiting Seminars at Dept. of Bacterial Genetics/Institute of Biology and Dept. of Phytomedicine/HUB.
- Participating with Poster Presentation in “Biotechnology 2000, 11th. International Symposium and Exhibition, ICC Berlin.
- Biology Infection Workshop “Retreat in Egsdorf”, Oct./2000
- DAAD (German Academic Exchange Services) Bio forum “Forschung ohne Grenze” June/2001 at Humboldt-University Berlin.
- German Horticultural Society (DGG) Conference, 27/Jan. – 01/Feb/2002, Braunschweig, GER.
- Scientific visit to IVIA, Valencia, Spain, Oct./2004 for HPLC/GC IAA-analyses studies
- Rotational seminars at Bacterial Genetics Dept and Institute of Biology HUB-Berlin

Employment, activities and experience:

1992/26/Oct – Dec./1996: Teaching-Assistant, University of Khartoum/Republic of Sudan

Jan/1997 - : Lecturer Position (U. of K/Sudan)

1998/May – August/1998: International Centre for Genetic Engineering and Biotechnology/Italy, Molecular Microbial Genetics/one year pre-doctoral fellowship terminated for PhD Study with DAAD scholarship in Germany).

Oct/1998-March/1999: 6-Months German Language Course at Goethe Institute in cooperation with Bremen Uni./GER with DSH Examination Certificate

1999/April – October/2002: PhD study at Humboldt-University Berlin, as DAAD- Scholarship-holder. PhD degree (sehr Gut) awarded in Oct./25/2002 in (Agric.), Molecular Microbial Genetics/Genetic Engineering/Recombinant DNA Technology. “Investigations on genetic studies on plant-growth-promoting rhizobacteria *Bacillus amyloliquefaciens* FZB strains”

March/2004 – Feb./2006: Humboldt-University/Berlin, Postdoctoral Studies with Alexander von Humboldt Fellowship/Georg-Foster fellowship for technology transfer to the developing countries/Berlin/Germany. Studies in molecular plant-microbes interaction. Gene isolation and characterization in plant-growth-promoting rhizobacteria through mutants construction with gene knockout genetic strategies.

2003/Jan– 2013/April: Assistant professor with different theoretical and practical courses duties and under/graduate students projects supervision.

Nov./24/2008-July/2010: Staff member at Taif University/Kingdom of Saudi Arabia/Faculty of Applied Medical Sciences/Dept. of medical Biotechnology. Besides, teaching joint positions as head of the Medical Biotechnology Department and Dean Deputy at the Faculty of Applied Medical Science for Girls, dealing with academic and administrative girls' affairs.

Since 2013/April: Associate Professor at department of Botany and Agric Biotechnology/Faculty of Agriculture U of K, with different theoretical and practical courses duties and supervision.

2013/Sept – July/2014: Staff member at King Khalid University, Faculty of Science/teaching different courses (Molecular Biology, Molecular Genetics, Introduction to Genetics, Agric. Economic Crops): I prepared two books as molecular genetics gallery and Agric. Economic crops gallery published at King Khalid University/KSA.

2014/Nov – June/2016: Taibah University: During two academic years : Eight workshops and practices on modern teaching methodology and technologies (PPA) given by foreign experts (American, Canadian and British (Pearson experts), with (awarding) certificates.

Permanent Present Position:

Associate-Professor/Dept. of Botany & Agric. Biotechnology/Faculty of Agriculture /Khartoum University with the following duties:

1. Teaching theory and practical of the following courses using Microsoft PowerPoint:
 - Molecular and Cell Biology
 - Genetic Engineering: Modern Biotechnology /Recombinant DNA Technology
 - Introduction to Biotechnology
 - Soil microbial Biotechnology (Rhizosphere Biology, Bio-fertilization)
 - Microbiology (General, and Industrial Microbiology)
 - Molecular and Microbial Genetics
 - Microbial Physiology
 - Introduction to Genetics
2. Supervision of the final year students' graduation projects and seminars
3. Graduate and postgraduate students' research supervision
4. Member at the Agric. Engineers Council Union

- Excellent knowledge and experience with Computer softwares

Scientific Books & Publications: Books:

IDRIS, E. E. (2002): Investigations on the Genetics of Plant-Growth-Promoting Substances Synthesis by *Bacillus subtilis/amyloliquefaciens* Strains FZB. PhD Dissertation at Humboldt-University zu Berlin, ISSN 1431 – 0163, Band 39, ISBN 3-89574-471-9 *Dr. Köster Press, Berlin, Germany.*

IDRIS, E. E. and ELSIDDIG A. E. ELSHEIKH (2000) Introduction to General Microbiology Practical (in Arabic), *Khartoum University Press, Khartoum, Sudan.*

IDRIS, E. E. and ELSIDDIG A. E. ELSHEIKH (2000) Soil Microbiology Practical (in Arabic). *Khartoum University Press, Khartoum, Sudan.*

IDRIS, E. E. and ELSIDDIG A. E. ELSHEIKH (2000). Food Microbiology Practical (in Arabic). *Khartoum University Press, Khartoum, Sudan.*

Articles:

IDRIS, E. E. ; ELSIDDIG A. E. ELSHEIKH and SIDDIG M. EL HASSAN (1997) A note on Response of Onion (*Allium cepa* L.) Cultivars to Infection of Vesicular-Arbuscular Mycorrhizal Fungi (VAM) and Onion Yellow Dwarf Virus (OYDV), M.Sc. Thesis, Journal of Agricultural Sciences, University of Khartoum.

IDRIS, E. E.; A. FAROUK; RALF GREINER; H. BOCHOW; T. RICHTER and R. BORRISS (2002). Phytase Activity Contributes to Plants Growth Promoting Effects Exerted by Several *Bacillus* strain. *Microbiology*: 148, 2097-2109.

IDRIS, E. E.; H. BOCHOW; H. ROSS, and R. BORRISS (2004). Use of *Bacillus subtilis* as biocontrol agent.VI. Phytohormone-like action of culture filtrates prepared from plant-growth-promoting *Bacillus amyloliquefaciens* FZB24, FZB42, FZB45 and *Bacillus subtilis* FZB37. *Journal of Plant Diseases and Protection*. 111(5) ISSN 0340-8159.

IDRIS, E. E.; IGLESIAS, D.; TALON, M. and BORRISS, R. (2007). Tryptophane dependent production of Indole-3-acetic acid (IAA) affects level of plant growth promotion by *Bacillus amyloliquefaciens*FZB42. MPMI vol 20, No. 6, 2007, pp. 619-626. Doi: 10. 1094/MPMI. 20- 06-0619, the American Phytopathological Society

OSMAN, NOHA I; OMER, MOHAMED A; AND IDRIS ,E. E. (2011). Use of *Bacillus subtilis* as biocontrol agent: Isolation and Characterization of Sorghum Rhizosphere Bacteria Capable of Inhibiting Germination of *Striga hermonthica* (Del.) Benth Seeds. Submitted to *Journal of Plant Diseases and Protection, German Society of Plant Diseases and Protection* (in publication)

Permanent address:

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