

CURRICULUM VITAE

Personal Data:

Name: Mubarak Elmahal Ahmed Elmahal

Date of Birth: 1962

Nationality: Sudanese.

Marital Status: Married.

Address:

Occupation Address: Sudan University of Science and Technology
College of Technology.

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Employment History:

1988 -----1999 Teach. Assistant. Teacher, College of Science. Sudan
University of Science and Technology.

1999 -----2004 Lecturer, Institute of Laser, Sudan University of Science
and Technology.

2004 ---2009 Assistant Prof. Institute of Laser, Sudan University of
Science and Technology.

2009 ---present Associate Prof. Institute of Laser, Sudan University of
Science and Technology.

1999 -----2001 Head of Steering Committee of Institute of Laser, Sudan
University of Science and Technology.

2002 -----2005 Head of Engineering and Industrial Applications of Laser
Department, Institute of Laser.

2005 -----2008 Dean of Institute of Laser, Sudan University of Science and
Technology.

2009---present Dean of College of Technology, Sudan University of
Science and Technology.

Academic Qualifications:

- 2004 Ph.D Laser Physics. Sudan University of Science and Technology.
- 1999 M.Sc Physics. Sudan University of Science and Technology.
- 1997 B.Sc Physics first class honor Sudan University of Science and Technology.

Training Courses, Workshops and Conferences:

- 2009 Training Course on Applications of Laser in Dentistry Institute of Laser - Sudan University of Science and Technology, Sudan Institute for Natural Science - Ministry of Higher Education and Scientific Research Sudan, From 17/2/2009 to 19/2/2009.
- 2008 Workshop on Basic Sciences as a Key Role in Development, Basic Sciences Committee - Ministry of Higher Education and Scientific Research. Sudan, 21/12/2008.
- 2008 Workshop on Laboratory Work Promotion, Sudan University of Science and Technology. From 5/8/2008 to 6/8/2008.
Chairman of committee of workshop.
- 2008 Workshop on Setting Good Exam. College of Medical Laboratory, Sudan University of Science and Technology. 12/7/2008.
- 2008 Workshop on Laser Applications in Chemical Analysis and Oil Industry, Institute of Laser, Sudan University of Science and Technology. From 27/4/2008 to 28/4/2008.
Chairman of committee of workshop.
- 2007 Scientific Meeting for Engineering and Computer Students Third Meeting. Association for Promotion of Scientific Innovation. From 15/12/2007 to 17/12/2007.
- 2007 Winter College on Optical Fiber, Fiber Lasers and Sensors **ICTP Italy Trieste.** From 4/2/2007 to 23/2/2007.
- 2007 First International Conference of Laser Engineering, Science and its Applications, Institute of Laser, Sudan University of Science and Technology. From 24/1/2008 to 28/1/2007.
- 2006 Training Course on Application of Laser in Medicine. Institute of Laser - Sudan University of Science and Technology, Sudan Institute for Natural Sciences - Ministry of Higher Education and Scientific Research Sudan, From 17/2/2006 to 19/2/2006.
- 2005 Training Course on Laser Physics Elneelain University Institute for Natural Sciences, Ministry of Higher Education and Scientific Research Sudan, From 14/2/2005 to 19/2/2005.
- 2004 Training Course on Laser and its Applications Institute of

- Laser, Sudan University of Science and Technology, Sudan
Institute for Natural Sciences, Ministry of Higher Education and
Scientific Research Sudan, From 17/4/2004 to 22/4/2004.
- 2009 Training Course on Applications of Laser in Dentistry Institute of
Laser - Sudan University of Science and Technology, Sudan
Institute for Natural Science - Ministry of Higher Education and
Scientific Research Sudan, From 17/2/2009 to 19/2/2009.
- 2008 Workshop on Basic Sciences as a Key Role in Development,
Basic Sciences Committee - Ministry of Higher Education and
Scientific Research. Sudan, 21/12/2008.
- 2008 Workshop on Laboratory Work Promotion, Sudan University of
Science and Technology. From 5/8/2008 to 6/8/2008.
Chairman of committee of workshop.
- 2008 Workshop on Setting Good Exam. College of Medical Laboratory,
Sudan University of Science and Technology. 12/7/2008.
- 2008 Workshop on Laser Applications in Chemical Analysis and Oil
Industry, Institute of Laser, Sudan University of Science and
Technology. From 27/4/2008 to 28/4/2008.
Chairman of committee of workshop.
- 2007 Scientific Meeting for Engineering and Computer Students
Third Meeting. Association for Promotion of Scientific
Innovation. From 15/12/2007 to 17/12/2007.
- 2008 Winter College on Optical Fiber, Fiber Lasers and Sensors
ICTP Italy Trieste. From 4/2/2007 to 23/2/2007.
- 2007 First International Conference of Laser Engineering, Science and
its Applications, Institute of Laser, Sudan University of Science
and Technology. From 24/1/2008 to 28/1/2007.
- 2006 Training Course on Application of Laser in Medicine. Institute of
Laser - Sudan University of Science and Technology, Sudan
Institute for Natural Sciences - Ministry of Higher Education and
Scientific Research Sudan, From 17/2/2006 to 19/2/2006.
- 2005 Training Course on Laser Physics Elneelain University
Institute for Natural Sciences, Ministry of Higher Education and
Scientific Research Sudan, From 14/2/2005 to 19/2/2005.
- 2004 Training Course on Laser and its Applications Institute of
Laser, Sudan University of Science and Technology, Sudan
Institute for Natural Sciences, Ministry of Higher Education and
Scientific Research Sudan, From 17/4/2004 to 22/4/2004.
- 2002 Computer and Information Technology for Leaders (ICDL)
Computer Center. Sudan University of Science and Technology.

- From 10/ 11/2002 to 31/12/2002.
- 2001 Training Course on Applications of Laser in Biotechnology and Medicine. National Institute of Laser and Enhanced Matter. Cairo University. **Egypt**. From 21/4/2001 to 26/4/2001.
- 2000 Training Course on Applications of Laser in Engineering and Industry and Communications. National Institute of Laser and Enhanced Matter. Cairo University. **Egypt**.
- 1997 The Second Arabic Conference on Scientific Instrumentations, paper on Applications of CRO in the Maintenance of Scientific Instruments, Ministry of Higher Education Cairo, **Egypt**. From 25/10/1997 to 28/10/1997.
- 1997 Computer Maintenance Course
College of Engineering and College of Further Education
Sudan University of Science and Technology. From 20/9/1997 to 16/10/1997.
- 1997 Improvement of Academic Performance College of Education
Sudan University of Science and Technology. From 7/6/1997 to 26/6/1997.
- 1995 The First Arabic Conference on Scientific Instrumentations, paper on the Scientific Instrumentation Subject, Ministry of Higher Education Cairo, **Egypt**. From 25/11/1995 to 28/11/1995.
- 1993 Modern Teaching Techniques in Universities, Jordon, Higher Education, Amman, **Jordon**
From 24/10/1993 to 3/11/1993.
- 1990 TV Maintenance Certificate One Academic Year College of Further Education.
Sudan University of Science and Technology.
- 1990 Training Course on Equipment Maintenance in Educational Institutions Electronics Engineering.
The North East Wales Institute of Higher Education, **United Kingdom** and Sudan University of Science and Technology, Sudan. From 14/1/1990 to 4/2/1990.
- 1990 Course of Study on Computer Programming Basic Language
Computer Man College
From 6/1/1990 to 20/2/1990.
- 1989 Khartoum Workshop on Personal Computer Interfacing to Experiments in Physical Sciences
Faculty of Science, Department of Physics University of Khartoum
From 2/12/1989 to 16/12/1989.
- 1989 Course of study on E.D.P operation

Computer Man College
From 1/10/1989 to 22/10/1989.

1988 Course of Study and Training in Instrument Maintenance
The North East Wales Institute of Higher Education.

United Kingdom

From 7/11/1988 to 16/12/1988.

Teaching experience:

Have teaches undergraduate courses at the following universities:

- College of Science Sudan University of Science and Technology.
- College of Education Sudan University of Science and Technology.
- College of Medical Laboratory Science Sudan University of Science and Technology.
- College of Computer Science Sudan University of Science and Technology.
- College of Technology Sudan University of Science and Technology.
- College of Engineering Sudan University of Science and Technology.
- Elneelain University. College of Science
- Omdorman. Islamic University. College of Science
- Omdorman Aahlia University. College of Science
- Karray University.
- National Rabat University.
- Kordofan University.
- Aali Elneel University.

Undergraduate courses:

- General physics.
- Vibrations and waves.
- Geometrical optics.
- Wave optics.
- Analog electronics.
- Digital electronics.
- Laser.
- Laser application.
- Laser tissue interaction.
- Laser safety.
- Instrumentation science.
- Optoelectronics.

Postgraduate courses:

Have teaches postgraduate courses at the following universities:

- M.Sc Laser Applications Institute of Laser. Sudan University of Science and Technology.
- M.Sc Physics College of Science Sudan University of Science and Technology.
- M.Sc Solid State Physics College of Science Sudan University of Science and Technology.
- M.Sc in Medical Physics Sudan Academy of Science Ministry of Science and Technology.
- M.Sc Medical Physics College of Medical Radiologic Sciences Sudan University of Science and Technology.
- Postgraduate Diploma in Laser application in Medicine. Institute of Laser. Sudan University of Science and Technology.
- Postgraduate Diploma in Physics College of Science Sudan University of Science and Technology.

Postgraduate courses:

- Applied optics.
- Laser.
- Laser applications.
- Optics.
- Laser safety.
- Laser tissue interaction.
- Non-ionizing radiation.
- Optoelectronics.
- Optical fiber.
- Photodetectors.
- Advanced optics
- Laser matter interaction

Memberships:

2008– present: Full member of International Commission for Optics (**ICO**).

2003 – present: Member of Laser Committee, Sudanese Standards and Metrology Organization (SSMO).

2008 – present: Member of Basic Science Committee Ministry of Higher Education and Scientific Research.

2001 – present: Member of Atomic Sciences and Laser

- Committee. Sudan Institute of Natural Sciences -
Ministry of Higher Education and Scientific Research.
- 2007 – present: Member of Arab Laser Network..
- 1999 – present: Member of Sudanese Laser Group.
- 2009 – present: Member of University Council
Sudan University of Science and Technology
- 2009 – present: Member of Financial Committee University Council
Sudan University of Science and Technology.
- 2002 – present: Member of University Senate Sudan University
of Science and Technology.
- 2003 – present: Member of Academic Committee Sudan
- 2011 – present: Member of Editorial Board Journal of Science and
Technology, Natural and Medical Sciences. Sudan
University of Science and Technology.
- 2010 – present: Member of Authorship Translation and Publication
Committee Sudan University of Science and Technology.
- 2006 – 2008: Member of Scientific Research Council Sudan
University of Science and Technology.
- 2005 – 2008: Member of Postgraduate College Council Sudan
University of Science and Technology.
- 2005 – 2008: Member of University Committee for Assessment
and Accreditation Sudan University of Science and
Technology.
- 2009 – present: Member of University Committee for Self Assessment
and Quality Assurance Sudan University of Science and
Technology.
- 2000 – present: Member of Institute of Laser Council Sudan
University of Science and Technology.
- 2006 – 2008: Head of Institute of Laser Council Sudan
University of Science and Technology.
- 2000 – present: Member of Institute of Laser Research Board
Sudan University of Science and Technology.
- 2006 – 2008: Head of Institute of Laser Research Board Sudan
University of Science and Technology.
- 2006 – 2008: Head of Institute of Laser Committee for
Assessment and Accreditation Sudan University of
Science and Technology.
- 2006 – 2008: Member of College Council, College of Science
Sudan University of Science and Technology.
- 2009 – present: Member of College Council, College of Communication

Science Sudan University of Science and Technology.
2006 – present: Member of College Council, Computer Center
Sudan University of Science and Technology.
2006 – 2008: Member of Depute Council,
Sudan University of Science and Technology.
1993 – 1999 Member of the Examinations Committee, College
of Science, Sudan University of Science and Technology.
2000 : Head of Examinations Committee, College of Science
Sudan University of Science and Technology.
2009 – present: Member of College of Technology Council Sudan
University of Science and Technology.
2009 – present: Head of College of Technology Council Sudan
University of Science and Technology.
2010 – present: Member of Laboratory Instruments and Device Committee
Sudan University of Science and Technology.

Other experiences:

- Have contributed in the establishment of College of Science, Sudan University of Science and Technology.
- Have contributed in the establishment of Institute of Laser, Sudan University of Science and Technology.
- Have contributed in development the curriculum of M.Sc Laser application, Institute of Laser, Sudan University of Science and Technology.
- Have contributed in development the curriculum of Postgraduate Diploma in Laser Application in Medicine, Institute of Laser, Sudan University of Science and Technology.
- Have contributed in development the curriculum of M.Sc in Physics, College of Science, Sudan University of Science and Technology.
- Have contributed in development the curriculum of Diploma Programs College of Technology, Sudan University of Science and Technology.
- Have contributed in Strategic Plan College of Technology, Sudan University of Science and Technology.

Research Projects:

Principal Investigator: Mubarak Elmahal Ahmed

1- Project title: Design an Implementation of Optical Fiber Temperature Sensor.

Financed by the Administration of Scientific Research, Ministry of Higher Education and Scientific Research, 2006.

Principal Investigator: Mubarak Elmahal Ahmed

2- Project title: Measurement of Molecular Weight of Some Particle Using Laser Beam.

Financed by the Scientific Research Council Sudan University of Science and Technology, 2007.

Principal Investigator: Mubarak Elmahal Ahmed

3- Project title: Design and Implementation of MgO Optical Filter for Infrared Region.

Financed by the Administration of Scientific Research, Ministry of Higher Education and Scientific Research, 2008.

Principal Investigator: Mubarak Elmahal Ahmed

4- Project title: Utilization of Optical Fiber Sensors to Determine the Molecular Weight for Liquid Samples.

Financed by the Administration of Scientific Research, Ministry of Higher Education and Scientific Research, 2009.

5- Project title: Detection of Contaminates in water waist in Industrial Ares Using Spectroscopy Produced by Laser.

Financed by the Administration of Scientific Research, Ministry of Higher Education and Scientific Research, 2009.

Publications:

1/ Mohamed M. Rashed, **Mubarak M. Ahmed**, Nafie A. Almoslet, Kais S. Elnaimee, *Design and Construction of Controlled Laser Switch*. Journal of Science and Technology, Sudan University of Science and Technology. Vol 9 No 1, p 87 January 2008.

2/ Esam G. Ahmed, **Mubarak M. Ahmed**, Nafie A. Almoslet, Kais S. Elnaimee, *Utilization of microbending effect in optical fiber to act as a pressure sensor*. Journal of Science and Technology, Sudan University of Science and Technology. Vol 9 No 1, p 106 january 2008.

3/ Mutaz Abedalla, **Mubarak M. Ahmed**, Saad Doud, Nafie A. Almoslet, *Encoded voice transmission via optical fiber link*, Industrial Research Journal, Industrial Research and Consultancy Center, Vol 6, p 63 June 2008.

4/ / Esam G. Ahmed, , Nafie A. Almoslet, **Mubarak M. Ahmed**, M. A. Moharam, Waleed MUSAAD. *The use of Fourier Infrared Spectroscopy and Laser – Raman Spectroscopy in Bladder Malignancy Diagnosis, A Comparative Study*. Journal of Applied Physics Research, Vol. 2, No. 1, May 2010.

5/ Mohammed A.Gondal, Mohamed M.Nasr, **Mubarak M. Ahmed**, Zain H. Yamani and M.S. Alsalhi, *Detection of lead in paint samples synthesized locally using-laser-induced breakdown spectroscopy*. Journal of Environmental Science and Health Part A (2011) 46, 1–8.

6/ / Nafie A. Almoslet, Rasha I. Yousif, **Mubarak M. Ahmed**, *Investigation of the Concentration for Some Liquid Drugs using Light Angular Scattering*, Indian Journal of Science and Technology. Vol. 4, No. 6, June 2011.

7/ / Hassan E. Eltaher, Kasim M.Alhity, **Mubarak M. Ahmed**, *Design and Implementation of Video Tracking System Based on Camera Field of View*, Industrial Research Journal, Industrial Research and Consultancy Center. Vol. 9, Page 13, January 2012..

Postgraduate students:

1. Ph.D

1.1 Supervisor.

Candidates:

- Mohamed Mahdy Nasr

Quantitative and Qualitative Analysis of Some Petrochemical Using Laser-induced Breakdown Spectroscopy (LIBS)

Omdurman Islamic University (degree awarded **July 2011**)

- Younis Ahmed Abuaaisha Dulman

Design and Construction of Pulse Hollow Cathode Copper Laser.

Sudan University of Science and Technology

- Siham Mohammed Hassan Ahmed

Spectroscopic Characterstization of Unstable Materials Produced from Light Induce Using Raman Spectroscopy

Sudan University of Science and Technology

- Ihsan Bakri Mergani Abdelhaye

Identification of Heavy Metals in Water Sources in Khartoum State Using Laser-Induced Breakdown Spectroscopy (LIBS)

Sudan University of Science and Technology

1.2 Co-Supervisor.

Candidates:

- Esam Elgayli. Ahmed

Evaluation of using Fourier Transfer Infrared Spectroscopy and Laser – Raman Spectroscopy in Diagnosis of Bladder Malignancy.

Sudan University of Science and Technology (degree awarded May 2009)

- Abeer Ahmed Khairi

Design and Construction of Pulse Hollow Cathode Copper Laser.

Sudan University of Science and Technology

1.3 External examiner.

Candidates:

- Mohammed Ali Babiker Naser

Treatment of Cutaneous Leishmaniasis by Low Level Laser Therapy (LLLTT), Medical Specialization board (degree awarded Jan 2008)

1.4 Internal examiner.

Candidates:

- Elhadi mohyeldeen Mohammed Awooda

Evaluation of the effectiveness of low power diode laser with different wavelengths in dental caries prevention (in vitro study).

Sudan University of Science and Technology (degree awarded Des 2011)

- Abdelmoneim Elwidaa Osman

Clinical and Laboratory Study of Photodynamic Therapy and Flash Lamp Pulse Dye Laser Treatment for Chronic Plaque Psoriasis in Sudanese Patients in Comparison with Conventional Topical PUVA Therapy.

Sudan University of Science and Technology (degree awarded Des 2010)

- Abas Mohammed Imam Mohammed

Use Laser Induced Breakdown Spectroscopy (LIBS) for Identification of Special Design Liquid Fuel Ignition.

Sudan University of Science and Technology (degree awarded May 2009)

- Omer Mohammed Babiker Omer

Beautiful Values in Graving Design Using Laser.

Sudan University of Science and Technology (degree awarded May 2009)

- Peter Atho Awo

Photon Quantum Generalization for Electromagnetic Quantization and Non – Zero Photon Mass.

Sudan University of Science and Technology (degree awarded Des 2010)

- Abdelaziz Ahmed Mohammed Elshakli

The Effect of Magnetical Techniques on Some Element Absorption in Sun Flower, Tomato, and Union.

Sudan University of Science and Technology (degree awarded May 2009)

- Mohammed Mergani Rashid

Characterization of Synthesized PMMA Kaolinite Nanocomposite Using Fourier Infrared Spectroscopy and Laser Raman spectroscopy.

Sudan University of Science and Technology (degree awarded Oct 2010)

- Khitam Yousif Elwasife

Experimental and Theoretical in Vitro Study for the Effect of Electromagnetic Wave Produced by Mobile Phone Base Station on Life Tissue

Sudan University of Science and Technology (degree awarded Des 2010)

- Elfatih

Sudan University of Science and Technology (degree awarded Des 2010)

- Suiluman Ibrahim Bakhet

Limestone Rocks (From Omdurman Area) Analysis by Laser Induced Breakdown Spectroscopy.

Sudan University of Science and Technology (degree awarded June 2012)

- Saifeldin Yassin Mohammed

Identification of the Constituent for Some Sudanese Crude Oil and Soil Using Laser Induced Breakdown Spectroscopy

Sudan University of Science and Technology (degree awarded June 2012)

- Fiaz Mohammed Badr Elshafia

Spectroscopic Characterstization of Free Radicals and Determination of the Octane number in Some Sudanese Gasoline Using Raman Spectroscopy.

Sudan University of Science and Technology (degree awarded June 2012)

- Suhair Salih Makawy Suliman

Derivation of Statistical Distributions for Non Thermally Equilibrium and Super Conductors.

Sudan University of Science and Technology (degree awarded July 2012)

2. M.Sc. by research

2.1 Supervisor.

Candidate:

- Rasha Ibrahim Yousif

Quality Investigation of Some Drugs Using Angular Scattering Technique, Sudan University of Science and Technology (degree awarded Nov 2007)

2.2 Co - Supervisor.

Candidate:

- Hassan Elbasry Elamin Eltahir Ahmed

Design and Implementation of Video Tracking System Base on Camera Field of View.

Sudan University of Science and Technology (degree awarded 2011)

2.3 External examiner.

Candidates:

- Boshra Ahmed Izerig

Enhanced Optical Properties of Coumarin 500 Dye with Arabic Gum.

Alneelain University (Ogu 2011)

- Zainab Mahgoup Mohammed Yousif

Flash Lamp Pumped Dye Laser Using Littman – Metcalf and Hansch Cavity Designs.

Alzaiem Alazhary University (July2009)

- Hanan Mohammed Mansoor

Enhanced Fluorescence from Rhodamine B Dye by Arabic Gum.

Alneelain University (April 2008)

2.4 Internal examiner.

Candidates:

- Bothaina Amin Abdelgader Sager

Comparative Study Between Low Level Laser Therapy and Chlorhexidine on Treatment of Gingivities. Sudan University of Science and Technology (degree awarded Mar 2006)

- Seleman Eltyeb Elhadi

Utilization of Different Laser Systems to Determine the Optical Properties of Chloroform and Rhodamine 6 G thin – Films in Nanometer Scale. Sudan University of Science and Technology (degree awarded Nov 2007)

3. M.Sc by courses and research

3.1 Supervisor

Candidates:

- Esam Elgayli. Ahmed

Study of Microbending Effect on Laser Communications as Pressure Sensor. Sudan University of Science and Technology (degree awarded Mar 2005)

- Mohammed Margani Rashid

Design and Construction of Controlled Laser Switch.

Sudan University of Science and Technology (degree awarded Mar 2005)

- Mutaz Abdella Elbadawi

Encoded Voice Transmission Via. Optical Fiber.

Sudan University of Science and Technology (degree awarded Jun 2006)

- Suliman Eldoud Basheir

The Optical Fiber Electrical Current Sensor: Design and Implementation.

Sudan University of Science and Technology (degree awarded Nov 2007)

- Mergani Mahgoub Ahmed

Design and Implementation of Controlled Laser Switch for Traffic Light.

Sudan University of Science and Technology

3.2 External examiner.

Candidates:

- Elaagib Ibrahim Adam

Development of Raman Spectroscopy.

Sudan Academy of Science (2007)

- Mohammed Elamin

Speckle Phenomena and Some Applications.

AlNeelain University (2008)

3.3 Internal examiner.

Candidates:

- Ameera Abdelaziz Elhassan

Comparative Study of Emulsion Qualities of Sudanese Gums Using Laser Light Scattering.

Sudan University of Science and Technology (degree awarded Mar 2005)

- Abeer Ahmed Issa

Production of Polyacry Lamide from Monomer Using Laser.

Sudan University of Science and Technology (degree awarded Jun 2005)

- Mawahib Abdelrahman Elsyed

Study of ND:YAG Laser Rangefinder Design.

Sudan University of Science and Technology (degree awarded Jul 2006)

- Eltigani Elshakh Hassan Elasum

Determination of the Effect of the Laser on the Bacteria Causing Dental Caries.

Sudan University of Science and Technology (degree awarded Sep 2006)

- Abdelkareem Mohammed Abdelgader

Design & Implementation of Remote Switching Circuit Utilizing IR Laser.

Sudan University of Science and Technology (degree awarded Sep 2006)

- Sara Fadul Ahmed

The Effect of Temperature on the Laser Beam Modulated Signal.

Sudan University of Science and Technology (degree awarded Sep 2006)

- Maria Elryah

Effect of Low Level Laser Therapy on Wound Healing in Nubian Goat.

Sudan University of Science and Technology (degree awarded Nov 2007)

- Nafesa Badereldeem

Detection of Some Material from Toti and Shandi Soil.

Sudan University of Science and Technology (degree awarded 2008)

- Atfa Bushra Mohammed Farah

Measurement of Scattered Laser Beam and Reflectivity of Some Surfaces as a Mean of Laser Safety.

Sudan University of Science and Technology (degree awarded May 2009)

- Abeer Mohammed Elbashier

Design and Implementation of Rotation Speed Sensing System Using Diode Laser.

Sudan University of Science and Technology (degree awarded May 2009)

- Nazk Mohammed Hassan Tahir

Photo Sensing Process for Pheooxszone Using Coherent and Incoherent Light Sources.

Sudan University of Science and Technology (March 2011)

- Naseldin Adam Ishag

Design and Implementation of Laser Tracking System.

Sudan University of Science and Technology (March 2012)

4. Postgraduate Diploma

4.1 Supervisor (Sudan University of Science and Technology)

4-1-1 Postgraduate Diploma of Laser in Dermatology:

Candidates:

- Hiessen Salman, Sudan University of Science and Technology (degree awarded Sep 2005)
- Yousif Ahmed Safieldin, Sudan University of Science and Technology (degree awarded Sep 2005)
- Ihsan Abdelrahaman Abdalla, Sudan University of Science and Technology (degree awarded Nov 2007)
- Mahdi Mohmeed Ahmed shamit, Sudan University of Science and Technology (degree awarded Nov 2007)
- Haythem Mohammed Hamadelneel, Sudan University of Science and Technology (degree awarded Feb 2008)
- Anhar Elamin Mohammed, Sudan University of Science and Technology (May 2009)
- Adil Khader Abdalla, Sudan University of Science and Technology (May 2009)

4-1-2 Postgraduate Diploma of Laser in E.N.T:

Candidates:

- Hashim Adam Hamza, Sudan University of Science and Technology (degree awarded Aug 2007)
- Hamza Siddig Elfaki, Sudan University of Science and Technology (degree awarded Aug 2007)

4-1-3 Postgraduate Diploma of Laser in Dentistry:

Candidates:

- Ahmed Abdelrahman Ahmed, Sudan University of Science and Technology (degree awarded Feb 2008)
- Anna Mohammed Elgarai, Sudan University of Science and Technology (May 2009)

4.2 Postgraduate Diploma Supervisor other universities

- Omdurman Elahlia University
5 Postgraduate Diploma projects

4.3 Postgraduate Diploma

Undergraduate students:

1. Sudan University of Science and Technology

More than 68 graduation projects for B.Sc student.

2. Other universities

More than 15 graduation projects for B.Sc student (.AlNeelain University, Omdurman Elahlia University, Omdurman Islamic University).