

CURRICULUM VITAE

Personal Data:

Name: Babikir Osman Elbashir

Date of Birth: 1967

Nationality: Sudanese.

Address:

Occupation Address: Sudan University of Science and Technology
Institute of Laser.

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Employment History:

1992 -----1999 Teach. Assistant. College of Science - Sudan University of Science and Technology.

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

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

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

2002 -----2005 Head of Medical Applications of Laser Department, Institute of Laser.

2005 -----2008 Deputy Principal of Sudan University of Science and Technology.

2009---present Dean of Institute of Laser, 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 Higher diploma Physics first class Sudan University of Science and Technology.

1992 B.Sc in science and education physics – with very good -Khartoum University Faculty of education.

Training Courses, Workshops and Conferences:

- 2009 Workshop on Laboratory Work Promotion, Africa City of Technology. From 30/6/2009 to 5/7/2009.
Chairman of the committee of the workshop.
- 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 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.
Member of the committee of the workshop.
- 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 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. 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. September 1997.
- 1997 Improvement of Academic Performance College of Education Sudan University of Science and Technology. 1995.

Teaching experience:

Have teaches undergraduate courses at the following universities:

- College of Science Sudan University of Science and Technology.
- College of Science Elneelain University.
- College of Science Omdorman Aahlia University.
- Karray University.
- National Rabat University.
- Faculty of Medicine – Medical.

Undergraduate courses:

- General physics.
- Electromagnetic theory.
- Geometrical optics.
- Laser safety.
- Laser fundamentals.
- Laser in medicine.
- Electricity.

Postgraduate courses:

Have teaches postgraduate courses at the following universities:

- M.Sc Laser Applications Institute of Laser. Sudan University of Science and Technology.
- Postgraduate Diploma in Laser application in Medicine. Institute of Laser. Sudan University of Science and Technology.

Postgraduate courses:

- Applied optics.
- Laser.
- Optics.
- Laser safety.
- Laser tissue interaction.
- Spectroscopy.

Memberships:

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

2003 – 2006: Member of Laser Committee, Sudanese Standards and Metrology Organization (SSMO).

1999 – present: Member of Sudanese Laser Group.

2002 – present: Member of University Senate Sudan University of Science and Technology.

- 2003 – 2008: Member of Academic Committee Sudan University of Science and Technology.
- 2006 – present: Member of Scientific Research Council Sudan University of Science and Technology.
- 2005 – present: Member of Postgraduate College Council Sudan University of Science and Technology.
- 2005 – present: Member of University Committee for Assessment and Accreditation Sudan University of Science and Technology.
- 2000 – present: Member of Institute of Laser Council Sudan University of Science and Technology. Head.
- 2009 – present: 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.. Head.
- 2009 – present: Head of Institute of Laser Research Board Sudan University of Science and Technology.
- 2006 – present: Member of Institute of Laser Committee for Assessment and Accreditation Sudan University of Science and Technology.
- 2008 – present: Member of College Council, College of Science 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 Postgraduate Diploma in Laser Application in Medicine, Institute of Laser, Sudan University of Science and Technology.

Publications:

E.M Awaooda, B.Osman, N.A YAhia, Use of Diode Laser (810)nm in Frenectomy, Sudan Journal of Medical Science Vol.2.No.(1)(2007):pp.45- 47

Paper sent for publishing:

- Hanadi A.Allh AlAmen - B. osman- Ehsan Abdelrahman abdalla jawesh , Effect of Low Level Laser therapy on foot ulcer healing.

Postgraduate students:

1. M.Sc. By research

2.1 Internal Examiner.

Candidates:

- Maria Mohamed Osman Taha

Design and operation of a portable laser absorption system to detect NO₂ gas concentration, Sudan University of Science and Technology (degree awarded Feb 2008)

3. M.Sc by courses and research

3.1 Supervisor

Candidates:

- Mwaheb Abd edrahaman Elseed

Study of Nd:YAG laser Rangefinder design, Sudan University of Science and Technology (degree awarded July 2006)

- Hala Jaafer Elamin

Hardness Improvement of teeth Filling material (amalgam) by using He-Ne laser 632.8 nm diode laser 675 nm, Sudan University of Science and Technology (degree awarded June 2006)

3.2 Internal examiner.

Candidates:

- Mohamed Morgani Rashid

Design and construction of controlled laser switch, Sudan University of Science and Technology (degree awarded Mar 2005)

- Mona Mohamed Ibrahim

Irradiation effect of He-Ne Laser on the bacteria causing urinary tract Infection, Sudan University of Science and Technology (degree awarded June 2005)

- Suliman Eldod Bashier Ahmed

The optical fiber electrical current sensor; design and Implementation, Sudan University of Science and Technology (degree awarded Nov 2007)

- Sadeldeen Elsadig Mohamed

Annealing of some diodes and trimming of carbon resistors using CW Nd:YAG laser, Sudan University of Science and Technology (degree awarded Nov 2007)

4. Postgraduate Diploma

4.1 Supervisor (Sudan University of Science and Technology- Post graduate Diploma in Laser Applications in Medicine)

- Abdelsamia Abdalla Mohmed, (degree awarded Dec 2005) (Plastic Surgeny)
- Elhadi Mohieldeen Mohamed, (degree awarded Dec 2005) (Dentistry)
- Samia Ali Abdellah, (degree awarded Nov 2007) (Dermatology)
- Montasir Abdelrahman Ahmed, (degree awarded Nov 2007) (Dentistry)
- Hanan Ahmed Abbass (degree awarded Feb 2008) (Dermatology)
- Halima Ahmed Salih (degree awarded July 2009) (Dermatology)
- Mahasin Mohamed Belo (degree awarded July 2009) (Dermatology)
- Hanadi Abdella Elamin (degree awarded July 2009) (Dermatology)

Undergraduate students:

1. Sudan University of Science and Technology More than 40 projects for B.Sc student.