

CURRICULUM VITAE

Nagi Zomrawi Mohammed Yousif

Sudan University of Science and Technology

2012

CURRICULUM VITAE

Personal Information:

- **Name:** Nagi Zomrawi Mohammed Yousif
- **Location and date of birth:** Omdurman, 1970
- **Nationality:** Sudanese
- **Marital Status:** Married & Father
- **Occupation:** Associate Professor, College of Engineering, Sudan University of Science and Technology

Present Address:

- **Occupation Address:** Sudan University of Science and Technology College of Technology
- **P.O Box:** 12304
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- **Home Address:** Khartoum, Omdurman, Abukadouk Quarter, 445 – 4/3

School Education: Mutammar Secondary School 1985 - 1988

Qualifications:

1. Academic Qualifications:

- 2006 - Ph. D. in Surveying Engineering – University of Khartoum
- 2001 - M. Sc. In Surveying Engineering – University of Khartoum
- 1998 - B. Sc. In Surveying Engineering (First Class Honor) – Sudan University of Science and Technology
- 1992 - Diploma in Surveying Engineering (First Class) Sudan University of Science and Technology

2. Training and Short Courses:

- 2012 – Computer aided design of educational material – Computer Center - Sudan University of Science and Technology
- 2011 – The Advance Training Course in Interactive E-Learning Design – University Staff Performance Development Center - Sudan University of Science and Technology
- 2011 - Strategic Planning - Karary University.

- 2009 - Internet Application - Sudan University of Science and Technology
- 2007 - University Staff Development – Sudan University of Science and Technology
- 2004 - Basic Concept of IT, AutoCAD & Mat lab – Ministry of Higher Education
- 2003 - Geographical Information System and Surfer Package - Sudan Military Survey
- 2002 - Geographical Information System – Center for Engineering and Technical Studies ‘CETS‘
- 1999 - Remote Sensing Technology and Geographical Information System– Sudan Remote Sensing Authority – Ministry of Science and Technology

Key Experiences

1. Management Experiences:

- 2011 – Deputy Dean – college of Technology – Sudan University of Science and Technology
- 2010 - Head of Civil Engineering Department – College of Engineering - University of Karary
- 2009 to 2010 - Vice Dean - college of Technology - Sudan University of Science and Technology
- 2008 to 2009 - Head of Engineering studies department - College of Technology - Sudan University of Science and Technology
- 2005 to 2008 - Head Surveying Engineering department - College of Engineering - Sudan University of Science and Technology
- 1994 to 2006 - Assistant Professor, Lecturer, Teaching assistant - Sudan University of Science and Technology
- 1992 to 1994 - Site Engineer – Al Agip Group Company
- 1994 to 1998 - Resident Engineer – Khartoum Road & Bridge Company

2. Professional Experiences:

- 2010 to 2011 - Sudan Survey Standards Committee – Sudan Survey Authority
- 2008 to 2009 - Consultant committee of Khartoum State Photography Project – Khartoum Survey – Ministry of Physical planning – Khartoum State
- 2008 - Sudan Survey Authority Training Committee
- 2007 - Consultant Committee of Khartoum State Survey Network

- 2005 to 2008 - Heavens International Company (Different Projects in Khartoum)
- 2007 - Sudan Engineering Digital Information Center - Sudanese Sugar Company Project
- 1998 - Khartoum University Consultant Authority (Different Projects)
- 1994 to 1998 - Khartoum Road & Bridge Company
- 1992 to 1994 - Al Agip Group Company

3. Teaching Experiences

Sudan University of Science and Technology

- Digital Image Processing, M.Sc. GIS & Remote Sensing – 2010 / 2011
- Digital Mapping - M.Sc. in GIS and Geodesy - 2006 / 2007
- Remote Sensing - M.Sc. in GIS and Remote Sensing - 2008 / 2009
- Digital Photogrammetry - M.Sc. in GIS and Remote Sensing - 2010 / 2011
- Applications of Geomatics - M.Sc. in Road Engineering - 2007 / 2008 & 2010 / 2011 & 2011/2012
- Digital Photogrammetry - - 5th Year B.Sc. – 2011/2012
- Analytical Photogrammetry - 5th Year B.Sc. - 2008 / 2009 & 2010 / 2011
- Remote Sensing - 5th Year B.Sc. Surveying - 5th Year B.Sc. Surveying – 2000 to 2010
- Digital Mapping - 5th Year B.Sc. Surveying - 2009 / 2011
- Surveying I - 3rd Year B.Sc. Civil - 2004 / 2005 & 2006 / 2007
- Hydrographic Surveying - 3rd Year B.Sc. Surveying 2000 / 2001 & 2003 / 2004
- Remote Sensing - 3rd Year Diploma in Surveying - 2000 to 2010
- Aerial Surveying III - 3rd Year Diploma in Surveying - 2000 to 2010
- Aerial Surveying II - 2rd Year Diploma in Surveying - 2005 - 2008
- Engineering Drawing - 1st Year Diploma in Surveying - 2004 / 2005 & 2006 / 2007
- Plane Surveying - 1st Year Diploma in Surveying - 2004 to 2011
- Control Surveying - 1st Year Diploma in Surveying - 2004 to 2008
- Computer Science - 1st Year Diploma in Surveying - 2004 / 2005 & 2006 / 2007
- Remote Sensing - 3rd Year Diploma in Environment - 2008 / 2009 & 2010 / 2011
- Graduation Projects - 5th Year B.Sc. Surveying - 2000 to 2011

- Graduation Projects - 3rd Year Diploma in Surveying - 2000 to 2011
- Survey Camp - 5th Year B.Sc. Surveying - 2000 to 2011
- Survey Camp - 3rd Year Diploma in Surveying - 2000 to 2011

Itisalat Academy

- Digital Photogrammetry - M.Sc. in GIS and Remote Sensing - 2007 / 2008 & 2009 / 2010

Sudan Academy for Science and Technology

- Digital Photogrammetry - M.Sc. in GIS and Remote Sensing – 2006 / 2007 & 2009 / 2010

University of Khartoum

- Analytical Photogrammetry - 5th Year B.Sc. Surveying - 2004 to 2008
- Aerial Surveying I - 3rd Year Surveying - 2005 / 2006
- Surveying II - 3rd Year B.Sc. Civil - 2004 / 2005 & 2006 - 2007
- Descriptive Geometry - 1st Year Diploma in Surveying - 2000 to 2007

Karary University

- Photogrammetry I - 3rd Year B.Sc. Surveying - 2004 to 2012
- Photogrammetry II - 4th Year B.Sc. Surveying - 2005 to 2011
- Remote Sensing II - 3rd Year Diploma in Surveying - 2006 to 2011
- Remote Sensing I - 3rd Year Diploma in Surveying - 2010 / 2011
- Graduation Projects - 5th Year B.Sc. Surveying - 2006 to 2011

Joba University

- Surveying II - 3rd Year B.Sc. Civil - 2006 / 2007 & 2008 / 2009

Alnasir Technical College

Surveying - 1st Year Diploma in Building - 2000 to 2005

Khartoum Technical College

- Surveying - 1st Year Diploma in Architecture - 2001 / 2002

Military Survey

- Design and Teaching a short course program in **GIS** - 2003

Khartoum State Survey

- Design and Teaching a short course program in **Land Surveying** - 2006
- Design and Teaching a short course program in **Analytical and Digital Photogrammetry**- 2008

Post Graduate Supervision:

1. Mohammed Fatur Zaid - Ph. D. - Sudan University

2. Inaiat Alla Osman - Ph. D. Sudan University
3. Fath Erahman Rizig Alla (2008) - M. Sc. - Sudan University
4. Nahid Hamed Hamad - (2009) - M. Sc. - Sudan University
5. Munzir Badr Eldeen (2010) - M. Sc. - Sudan University
6. Abou Elhassan Mohammed - M. Sc. - Sudan University
7. Eiad Abbas Magbool - M. Sc. - Sudan University
8. Sanaa Elshekh eltigani M. Sc. - Sudan University
9. Iman Esa Ahmed M. Sc. - Sudan University
10. Mohammed Badredin M. Sc. - Sudan University

Research Projects:

- Application of GIS in Jazeera Project
- Applications of Digital Image Processing in Remote Sensing
- The Effect of The Number of Control Points on Adjusted satellite image

Memberships

1. Technical Society Memberships

- Sudan Engineering Council
- Sudan Survey Society

2. Social Society Membership

- United Family Society Membership

Publications:

1. Nagi Zomrawi Mohammed (2012), Levelling with GPS, International Journal of Computer Science and Telecommunications (IJCST), Accepted.
2. Nagi Zomrawi Mohammed, A/Rahim Al Gzoly and Osman Bakry, (2012), Evaluation of GPS in Orthometric Heights Determination in Khartoum state (Sudan), International Journal of Multidisciplinary Science and Engineering (IJMSE), Accepted.
3. Nagi Zomrawi Mohammed yousif (2012), Application of GIS in Gazera Scheme and Managil Extension in Sudan, International Journal of Multidisciplinary Science and Engineering (IJMSE), Volum 3, Issue 3, March 2012.

4. Nagi Zomrawi Mohammed yousif (2011), Basics of Remote Sensing and Digital Mapping, ISBM 978-99942-995-7-7 Sudan currency printing company.
5. Nagi Zomrawi Mohammed yousif and Abuelhassan Ali Idriss Abdalla, (2011), The Effect of the Number of Control Points on the Adjusted Satellite Images, International Journal of Multidisciplinary Science and Engineering (IJMSE), Volum 2, Issue 2, April 2011.
6. Nagi Zomrawi and Munzir Bader Eldin (2011) Software's Testing of GPS Data Processing, International Journal of Computer Science and Telecommunications [Volume 2, Issue 2, April 2011].
7. Nagi Zomrawi and E. M. Elhadi, (2010), Object-based land use/cover extraction from Quick Bird image using Decision tree, Journal of American Science, 6(2).
8. Nagi Zomrawi, H.u. Guangdao and E. M. Elhadi, (2010), Change Detection Analysis by Using Ikonos and Quick Bird Imageries, Journal of American Science, 6(2).
9. Nagi Zomrawi, H.u. Guangdao and E. M. Elhadi, (2009) Landscape Change and Sandy Desertification Monitoring and Assessment, American Journal of Environmental Sciences, 5(5): 633-638.
10. Nagi Zomrawi, H.u. Guangdao and E. M. Elhadi, (2008), The Solution of collinearity Condition Equations With 6-Terms via 10-Terms, Journal of Modern Mathematics and Statistics 2(2):55-58.
11. Nagi Zomrawi, E. M. Elhadi and H.u. Guangdao, (2007), The Effect of Scanning Resolution in Digital Photogrammetric Workstation, Journal of Engineering and Applied Science 2(12):1786-1790.

Conferences, Seminars and Workshops

- 2012 - Leaders and Experts First Forum of Technical and Vocational Education in Arabian Countries.
- 2012- Conference of Education - Sudan.
- 2008 - 2010 & 2011 - GIS in Sudan – National Information Center

- 2010 - Dependent Approach of Technical Learning
- 2009 - Darfur land Commission
- 2008 - North South Boundary Committee
- 2008 - Ministry of Development and Environment

Ph. D. Dissertation

- The Effect of Scanning Resolution in Digital Photogrammetric Workstation

Field of Research: Geomatic i.e. Surveying, Mapping, Digital Photogrammetry, Remote Sensing, Geographical Information System (GIS) and Global Positioning System (GPS).

M. Sc. Dissertation

- Geometric Accuracy Testing of Derived Three Dimensional Coordinates

Field of Research: Analytical Photogrammetry