

## CURRICULUM VITAE

Name: **Fulbert L. Namwamba** Highest Degree: Ph.D.  
In What Discipline Was the Highest Degree Earned? **Water Resources**  
Date First Employed **October 1, 1999**  
Present Rank **Associate Professor** Years Completed in Current Rank **4**

### II. Professional training and experience

#### A. Formal Training

##### 1. Degrees Attained

Degree	Discipline	School	Date Received
Ph.D.	Water Resources	Iowa State University	December, 1998
M.A.	GIS & Computer Cartography	SUNY at Buffalo	May, 1993
M.S.	Geology	University of Utah	May, 1995
B.Sc.	Geology	University of Nairobi	September, 1985

#### B. Experience

##### 1. Teaching

###### a. College or University

Institution	Location	Position Held	Number of Years
Southern University	Baton Rouge	Assistant Professor	4
Iowa State University	Ames, IA	Graduate Assistant	4 Years
SUNY at Buffalo	Buffalo, NY	Graduate Assistant	2 Years
University of Utah	Salt Lake City, UT	Graduate Assistant	3 Years

###### Non-College

##### 2. Other Professional Experience

Institution or Firm	Location	Position Held	Number of Years
Louisiana Department of Environmental Quality	Baton Rouge	Environmental Specialist	9 Months
Iowa Department of Natural Resources	Ames, IA	Natural Resources Scientist	3 Months
National Museums of Kenya	Nairobi, Kenya	Research Scientist	2 Years
Compagnie General de Geophysique	Nairobi, Kenya	Exploration Geophysicist	2 Years

## **B. Non-Degree Study – Appendix H.**

1. ARCGIS 1 Authorized Training --- from ESRI - Spring 2004
2. ARCGIS II Authorized Training--- from ESRI – Spring 2004
3. GPS Application for Trimble GPS - Spring 2003
4. Louisiana State University – 3 Credit course (RG/GIS Applications) – Fall 1999
5. Louisiana State University – 3 Credit Course (Renewable Natural Resources) – Spring 2000
6. Workshop to Increase Involvement of 1890 and 1994 Land-Grant College and University Professors in USDA’s International Technical Assistance Activities. January 27-31, 2003, Washington, DC.
7. GLOBE training – Global Learning and Observations to Benefit the Environment, June 2001 – Baton Rouge, LA.
8. Agro-forestry Training Workshop for 1890 Land-grant Universities Faculty, Alabama A& M University, AL.- Silvo-Pasture Systems. June 18-20, 2002
9. Agro-forestry Training Workshop for 1890 Landgrant Universities Faculty, Alabama A& M University, Huntsville, AL.- Riparian Buffers. June 12-14, 2001
10. Agro-forestry Training Workshop for 1890 Landgrant Universities Faculty, Alabama A& M University, Huntsville, AL. June 12-15,2000

Conservation Science, The Role and Contributions of Minority Serving Institutions, National Council of Science and Technology Workshop. November 7-9,2002. Tuskegee, AL.

## **I. Research, publications and creative activities:**

### **A. Publications**

## **2. Refereed Publications - Appendix B**

Namwamba F., Collins, D. J., Abdollahi, K., Ning, Z., Qi, Y., and Stone R. (2003). Encouraging minorities to enroll and graduate in Urban Forestry and Related Disciplines at Southern University. Paper accepted to publication in the Proceedings of Symposium on Celebrating Minority Professionals in Forestry and Natural Resources Conservation.

Namwamba F., Collins, D. J., Abdollahi, K., Ning, Z., Qi, Y., and Stone R. (2003). The history and background of Urban Forestry Education at Southern University. Paper accepted to publication in the Proceedings of Symposium on Celebrating Minority Professionals in Forestry and Natural Resources Conservation.

Namwamba F. (2003). The role of Geographic Information Systems (GIS) and Remote Sensing (RS) in Urban Forestry Education at Southern University. Paper accepted to publication in the

Proceedings of Symposium on Celebrating Minority Professionals in Forestry and Natural Resources Conservation.

#### **4. Non-Refereed Publications - Appendix C**

Lyles, L., and Namwamba, F. (2003). GIS-GLOBE training model for K-12 teachers. Paper accepted for publication in the 2003 ESRI proceedings.

Namwamba, F. (2003). Technology and Kenya. Paper published in the proceedings of the 2003 Kenya Community Abroad Conference (<http://www.kenyansabroad.org/AGM2003/speeches>).

Namwamba, F. (2003). NACC salaries unjustifiable. Letter published in the Daily Nation (A major newspaper in Kenya). (<http://www.nationaudio.com/News/dailynation/06082003/letter>)

#### **Technical Manuals – Appendix D**

Wells, A., Namwamba, F., and Abdollahi, K. (2003). Urban Forest Management Plan for the Burden Center. Baton Rouge, LA.

Namwamba, F., Qi, Y., Tuma, J., and Zhang, J. (2003). Bayou Bodcau Dam and Reservoir: Natural Resources Management Plan. Submitted to US Army Corps of Engineers, Vicksburg District.

Qi, Y., Namwamba, F., Zhang, J., and Tuma, J. (2003). Bayou Bodcau Dam and Reservoir: Park Management Plan. Submitted to US Army Corps of Engineers, Vicksburg District.

#### **Abstracts – Appendix E**

##### **National and International Level**

Namwamba, F. and M. Kirk. (2003). Development of East-Baton Rouge ARCVIEW GIS Landuse Database. Abstract published in conference proceedings if the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F. and Q. Li. (2003). Development of an Urban Stormwater Runoff Model Graphic User Interface. Abstract published in conference proceedings if the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F. and T. McCoy. (2003). Application of GIS in Resolving Neighborhood Environmental Inequity Issues. Abstract published in conference proceedings if the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F., J. Tuma and Y. Qi. (2003). Bayou Bodcau Natural Resources Management Plan. Abstract published in conference proceedings of the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

- Zhang, J., Qi, Y., and Namwamba F. (2003). Analysis of visitor survey and futuristic plans for Bayou Bodcau recreational areas. Abstract published in conference proceedings of the 13<sup>th</sup> Biennial ARD Conference, Washington DC.
- Collins, D. J., Abdollahi, K., Ning, Z., Namwamba, F. L. \*, Qi, Y, and Stone, R. (2003). Encouraging Minorities to Enroll and Graduate in Urban Forestry and Related Disciplines at Southern University. Abstract published in the Book of Abstracts of “Celebrating Minority Professionals in Forestry and Natural Resources Conservation: A symposium to Honor the Tenth Anniversary of a 2+2 Joint Degree Program. Florida A&M University. September 17-20, 2002. Tallahassee, FL.
- Namwamba F. (2003). Application of technology to sustain development in 21<sup>st</sup> Century Kenya. Abstract published in proceedings of the 4<sup>th</sup> KCA Conference.  
(<http://www.kenyansaborad.org/agm2003/abstracts>)
- Abdollahi, K., Ning, Z., Namwamba, F., and Appeaning A. (2002). GIS-based urban forest ecosystem analysis for quantifying air quality improvement in Baton Rouge, Louisiana. Abstract published in the proceedings of the 25<sup>th</sup> Conference on Agricultural and Forest Meteorology.
- Namwamba F. (2001). Spatial water quality modeling: Potential role in developing countries. Proceedings of the American Chemical Society US/Africa Workshop on Environmental Chemistry and Water Quality, Senegal Dakar, Africa.
- McCoy, T., Namwamba, F., Davis, P., 2001. Spatial Exploration of Environmental Equity Issues: Forested Greenbelts in the City-Parish of Baton Rouge. Abstract and Poster Presented at Community Forestry Research Fellowship Program, Annual Workshop, October 6-9, 2001, Sublimity, OR.
- Namwamba, F. L. (2000). Visualization of Simulated Hydrologic Scenarios in an Agricultural Watershed. Abstract and Poster presented at the 12<sup>th</sup> Biennial ARD Symposium, Washington DC.
- Namwamba, F. L. (2000). Requirements Study for Geographic Information Systems at a Natural History Museum. Abstract and Poster presented at the 12<sup>th</sup> Biennial ARD Symposium, Washington DC.

### **C. Research in Progress**

#### **Appendix F**

1. Topic: *A GIS-RS Supported NPS-Management Information System for Urban Agriculture.*
  2. Target date for Completion: 15th April 2007
  3. Funding Agency: USDA - CSREES
  4. Date of last progress report: Just started
  5. Amount funded: Variable annually
  6. Chairperson's written verification
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1. Topic: *Developing Operational Management Plan for Bayou Bodcau*
  2. Target date for completion: 12<sup>th</sup> December 2003
  3. Funding agency: US Army Corps of Engineers
  4. Date of Last progress report; May 2003, Management Plan Tech. Manual Ready
  5. Amount funded: \$ 70, 410
  6. Chairperson's written report

1. Topic: *Center for Coastal Zone Assessment and Remote Sensing (CCZARS)*
2. Target date for Completion: 15th May 2007
3. Funding Agency: NASA
4. Date of last progress report: Just started
5. Amount funded: \$6 Million
6. Director CEES's written verification

#### **IV. Professional activities and community service**

##### **A. Professional Activities:**

##### **3. Presentations**

##### **National and International Level**

#### **APPENDIX I**

Namwamba, F. and M. Kirk. (2003). Development of East-Baton Rouge ARCVIEW GIS Landuse Database. Oral presentation at the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F. and Q. Li. (2003). Development of an Urban Stormwater Runoff Model Graphic User Interface. Oral presentation at the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F. and T. McCoy. (2003). Application of GIS in Resolving Neighborhood Environmental Inequity Issues. Poster presented at the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F., J. Tuma and Y. Qi. (2003). Bayou Bodcau Natural Resources Management Plan. Poster presented at the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Zhang, J., Qi, Y., and Namwamba F. (2003). Analysis of visitor survey and futuristic plans for Bayou Bodcau recreational areas. Poster presented at the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F. L. (2003). GIS Applications in Sustainable Agriculture-International Experience and Vision. Presentation at the Workshop to Increase Involvement of 1890 and 1994 Landgrant College and University Professors in USDA's International Technical Assistance Activities, January 27-31, Washington DC.

Namwamba, F. L. (2000). Southern University- GIS Applications in Watershed Management. Poster and Exhibit presented at the LGU Water Quality Projects, April 19-21, 2000. Washington, DC.

Collins, D. J., Abdollahi, K., Ning, Z., Namwamba, F. L. \*, Qi, Y, and Stone, R. 2002. Encouraging Minorities to Enroll and Graduate in Urban Forestry and Related Disciplines at Southern University. Presentation at "Celebrating Minority Professionals in Forestry and Natural Resources Conservation: A symposium to Honor the Tenth Anniversary of a 2+2 Joint Degree Program. Florida A&M University. September 17-20, 2002. Tallahassee, FL.

- Namwamba, F. L. 2002. Conservation Science Initiatives at Southern University. Oral presentation at Conservation Science Workshop, Tuskegee University, Nov. 7 – 9, 2002.
- Namwamba, F. L. (2002). GIS and Hydrology Programs in Louisiana. Presentation at the Fire Plan and Large Scale Watershed Workshop, October 15<sup>th</sup>, 2002, Baton Rouge, LA.
- Namwamba F. (2003). Application of technology to sustain development in 21<sup>st</sup> Century Kenya. Presentation at the 4<sup>th</sup> KCA Conference. (<http://www.kenyansaborad.org/agm2003/abstracts>)
- Abdollahi, K., Ning, Z., Namwamba, F., and Appeaning A. (2002). GIS-based urban forest ecosystem analysis for quantifying air quality improvement in Baton Rouge, Louisiana. Presentation at 25<sup>th</sup> Conference on Agricultural and Forest Meteorology.
- Namwamba F. (2001). Spatial water quality modeling: Potential role in developing countries. Presentation at the American Chemical Society US/Africa Workshop on Environmental Chemistry and Water Quality, Senegal Dakar, Africa.
- Namwamba, F. 2001. Overview of Groundwater Pollution Challenges in Louisiana. Louisiana Groundwater Symposium, Environmental Technology Consortium Conference. “Technology Transfer: Closing the Basic and Applied Research Divide” August 23-24, 2001.
- McCoy, T., Namwamba, F., Davis, P., 2001. Spatial Exploration of Environmental Equity Issues: Forested Greenbelts in the City-Parish of Baton Rouge. Community Forestry Research Fellowship Program, Annual Workshop, October 6-9, 2001, Sublimity, OR.
- Namwamba, F. L. (2000). Visualization of Simulated Hydrologic Scenarios in an Agricultural Watershed. Abstract and Poster presented at the 12<sup>th</sup> Biennial ARD Symposium, Washington DC.
- Namwamba, F. L. (2000). Requirements Study for Geographic Information Systems at a Natural History Museum. Abstract and Poster presented at the 12<sup>th</sup> Biennial ARD Symposium, Washington DC.

#### **Consultant Service: Appendix J:**

US Department of Agriculture – Conducted an Assessment Mission to Eritrea, Africa to provide recommendations to USDA on possible project activities concerning Natural Resource Management.

#### **4. Attendance at professional meetings – Appendix K.**

##### **National Level**

ESRI Educational Users Conference, July 8 – 9, 2003.

Thirteenth Biennial ARD Symposium, Washington DC. April 20 – 23, 2000

Earth Day Meeting - Land-Grant Universities Water Quality Projects, April 19-21, 2000. Washington, DC.

US Department of Agriculture meeting - Landgrant College and University Professors in USDA's International Technical Assistance Activities, January 27-31, Washington DC.

Celebrating Minority Professionals in Forestry and Natural Resources Conservation Symposium. Florida A&M University. September 17-20, 2002. Tallahassee, FL.

Conservation Science Workshop, Tuskegee University, Nov. 7 – 9, 2002.

Community Forestry Research Fellowship Program, Annual Workshop, October 6-9, 2001, Sublimity, OR.

American Chemical Society US/Africa Workshop on Environmental Chemistry and Water Quality, Senegal Dakar, Africa, July 26 – 29, 2001.

Twelfth Biennial ARD Symposium, Washington DC. April 20 – 23, 2000

### **State Level**

Louisiana GIS and Remote Sensing Conference, 2003

Fire Plan and Large Scale Watershed Workshop, October 15<sup>th</sup>, 2002, Baton Rouge, LA.

Louisiana GIS Conference, 2002

Louisiana Groundwater Symposium, Environmental Technology Consortium Conference. "Technology Transfer: Closing the Basic and Applied Research Divide" August 23-24, 2001.

### **5. Grants secured (Institutional or Research)**

#### **APPENDIX L**

<b>Title</b>	<b>Agency</b>	<b>Date</b>	<b>Support Funds</b>
<b>A GIS-RS Supported NPS-Management Information System for Urban Agriculture</b>	<b>USDA-CSREES</b>	<b>May 1, 2003 – April 19, 2007</b>	<b>Variable Annually</b>
<b>The Center for Coastal Zone Assessment and Remote Sensing (CCZARS)</b>	<b>NASA – MURED</b>	<b>October 1, 2002 – September 29, 2007</b>	<b>\$6 Million.</b>
<b>Adopt a Watershed Southeast Leadership Institute</b>	<b>Adopt-A-Watershed Corporation</b>	<b>June 2002</b>	<b>\$22,000.</b>
<b>Fire Plan and Large Scale Watershed Workshop</b>	<b>National Network of Forest Practitioners</b>	<b>March 19, 2002 – November 19, 2002</b>	<b>\$15,000</b>
<b>Enhancing Urban Forestry Education at Southern University Through Faculty Excellence</b>	<b>Louisiana Board of Regents</b>	<b>July 1, 2001 – June 31<sup>st</sup> 2002</b>	<b>\$97,000</b>

<b>National Urban and Community Forestry Minority Outreach and Education Conference</b>	<b>FORD Foundation</b>	<b>December 30, 2001 – December 30, 2003</b>	<b>\$50,000</b>
<b>Urban Forestry Tree Inventory and Health Assessment for the City of Gulfport</b>	<b>Gulfport Chamber of Commerce</b>	<b>December 20, 2001 – August 20, 2002</b>	<b>\$25,000</b>
<b>Developing Operational Management Plan for Bayou Bodcau, LA</b>	<b>US Army Corps of Engineers</b>	<b>January 1, 2001 – August, 15, 2002</b>	<b>\$70,410</b>
<b>Establishment of an Experimental Tree Farm</b>	<b>US Department of Agriculture</b>	<b>October 1, 2001 – September 30, 2002</b>	<b>\$15,000</b>
<b>Enhancement of GIS/Water Resources Research</b>	<b>Southern University SMART Program</b>	<b>September 25, 2000 – September 30, 2001</b>	<b>\$3,000</b>

**6. Current membership in honor societies and professional organizations:**

**APPENDIX M**

Alpha Epsilon Agricultural Engineering Honor Society.  
American Association of Agricultural Engineers.

**B. Community service of past five years:**

**2. Participation in community activities - other than membership.**

**Community Service – Member of Government Authority – Appendix N.**

Louisiana Ground Water Management Task Force Member – 2003 – Present  
Louisiana Ground Water Management Commission as Engineer/Geologist Member – 2001 – 2003  
Louisiana Ground Water Management Task Force Member– 2001 – 2003

**Community Service – Charitable Activities – Appendix O**

Baton Rouge Green – Technical Assistance with GIS – April 2003

GIS Training for Lee High School Teachers, in collaboration with Baton Rouge Green, , March 28, 2003.

Objectives, Work, and Plans of the Louisiana Groundwater Commission: Technical Issue **Honeywell Community Advisory Panel (CAP) Presentation**, September, 9, 2002.

Adopt a Watershed Workshop Leadership Institute, May 12, 2002.

Celebrating Black History – Cultural Awareness Event – February 16, 2002, Baton Rouge, LA.

Expanding GLOBE to Social Studies Using GIS. Workshop for K-12 Teachers, **in collaboration with GLOBE-PIPELINES program, Southern University, Baton Rouge**, Saturday October 26, 2002.

NEMO (Non-Point Education for Municipal Employees) – January 5, 2001, Baton Rouge, LA



Kenya Community Abroad – Contribution to the annual conference – June 30 – July 3, 2000

International Heritage Celebration, October 15, 2000. Baton Rouge, LA.

American Red Cross –Assisted Kenya Bomb Victims - Ames, IA July – September 1997 - 2001

### **Community Service – Religious – Appendix P**

Berean Seventh-Day Adventist Academy – Educational Presentation on Kenya

Christ the King Christian Center – Chair Building Committee – September 2003 - Present

Christ the King Christian Center – Member of Building Committee – 2 Year

Seminar on Agriculture and Community Development in Kenya. Abyssinian Baptist Church. May 31 2001.  
Baton Rouge, LA.

### **Monetary Contributions – Southern University Foundation**

Bethany World Prayer Center

Christ the King Christian Center

Living Word Christian Center

Iowa State University Foundation

## **IV. University service over past five years:**

### **B. Active Member on Standing Committee – Appendix Q**

<b>Committee</b>	<b>Level (University, College, Department)</b>	<b>Date</b>
Computer Technology Resources Committee	College	2000 – present
Curriculum Development and Evaluation Committee	College	2000 - Present
Environmental Protection, Chemical and Pesticide Usage Committee	College	2000 - present
Long Range Planning Committee	College	2000 – Present
Publication and Publicity Committee	College	2000 – Present
Graduate Committee	College	2000 – Present
Fire Plan and Large Watershed Workshop	Organizational Committee (SU Hosted Conference)	April 2003
Workshop for Minority and Underserved	Program Organizing	October 2003

Communities

Committee (SU Hosted  
Conference)

**C. Sponsor of Campus Organization (Southern University) – Appendix R**

GIS Club

September 1, 2003

**D. Membership of University Ad Hoc Committee – Appendix S**

**Committee**

SACS Accreditation Committee

**Date**

1999-2000

**H. Consultant or participant in University programs in areas outside of faculty member's assigned responsibilities. – Appendix T**

- ◆ GIS / Remote Sensing Assistance in Evaluation of land property transactions for Southern University Foundation, 2002.
- ◆ Center for Energy and Environmental Studies –
  1. 4 GIS training workshops
  2. Manager of the Institute of Environmental Issues and Policy Analysis
  3. Preparation of research posters, GIS maps, graphics and other publications
  4. Technical consultant on 4 projects liaising between major environmental organizations.
  5. Instrumental in helping CEES to acquire a \$6.0 Million grant
- ◆ Service to the Council of Historically Black Graduate Schools, February 16, 2001., Washington DC.
- ◆ GIS- Intro GIS for faculty and staff, July 31 – August 4, 2000. Baton Rouge, LA
- ◆ Developed Liaison between Southern University and Univerite Cheik Anta Diop, Senegal with funding from the American Chemical Society, 2001 – 2003.

**I. Participation in organized student recruiting (Give activities, locations, and dates) – Appendix U**

Southern Food System Consortium Jag Ag Day, April 10 – 12, 2001.

BAYOU summer program – participated every summer from 2000 – 2003.

Urban Forestry Summer Institute – Every year from 2000 – 2003.

Berean SDA Academy – Presentation to students, September 27, 2003.

USDA Agricultural Marketing Outreach Workshop Student Symposium – Presentation – May 2000.

**VI. Advisement – Appendix V.**

Has advised 45 students

Has chaired 6 masters thesis committees

Has served on 14 graduate committees

Received the *Teaching Excellence Award* for the College of Agricultural, Family and Consumer Sciences in 2003.

Was recognized in *Who's Who Among America's Teachers* after being nominated by former student Melanie Kirk to (October 2002).

