

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.
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NAME IBRAHIMOU, BOUBAKARI	POSITION TITLE Assistant Professor of Biostatistics		
eRA COMMONS USER NAME (credential, e.g., agency login)			
<i>EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
University of Yaounde I, Yaounde, Cameroon	Bsc.	1996	Pure Mathematics
University of Yaounde I, Yaounde, Cameroon	Msc.	1998	Pure Mathematics
University of Yaounde I, Yaounde, Cameroon	D.E.A	1999	Pure Mathematics
International Center for Theoretical Physics, Trieste, Italy	Diploma	2002	Pure Mathematics
University of South Florida, Tampa, Florida	Ph.D.	2007	Pure and Applied Mathematics
University of South Florida, Tampa, Florida	ABD	2009	Biostatistics

A. Positions and Honors

Positions and Employment

- August 2010-Present: Assistant Professor of Biostatistics, Department of Public health, Western Kentucky University, Bowling Green, Kentucky
- August 2009-July 2010: Assistant Professor of Biostatistics, Department of mathematics and Statistics, Murray State University, Murray, Kentucky
- August 2007-Present: Member, Center for Collaborative Research (CCR): Department of Epidemiology and Biostatistics, University of South Florida, Tampa, Florida
- August 2007-July 2009: Biostatistical Consultant, Florida Prevention Research Center, University of south Florida, Tampa, Florida
- August 2007-July 2009: Research Associate, Center for research and Evaluation, Lawton and Rhea Chiles Center for healthy Mothers and Babies, University of south Florida, Tampa, Florida
- August 2007-July 2009: Teaching Assistant, Department of Epidemiology and Biostatistics, University of South Florida, Tampa, Florida
- August 2002-July 2007: Teaching Assistant, Department of Mathematics and Statistics, University of south Florida, Tampa, Florida
- October 1998-September 2001: Teaching Assistant, Department of Mathematics, University of Yaounde I, Yaounde, Cameroon

Honors and Awards

1. University of south Florida, Department of Epidemiology and biostatistics outstanding graduate student (cash) award, 2008
2. University of South Florida, College of Public Health outstanding poster presentation (cash) award, 2008
3. University of South Florida, Department of Mathematics and Statistics outstanding teaching (cash) award, 2006
4. UNESCO-IAEA Scholarships for outstanding developing countries students, 2001-2002
5. Tharp Endowed Scholarships (cash) Award, University of south Florida, 2002-2007
6. University of South Florida travel grant award, 2004, 2006, 2007

Memberships and Activities

- 1- Member, American Mathematical Society
- 2- Member, American Statistical Association
- 3- Member, American Public Health Association
- 4- Member, Kentucky Public Health Association
- 5- Member, American Society of Tropical Medicine and Hygiene
- 6- Reviewer, Journal Advanced Research in Pure Mathematics (JARPM)
- 7- Reviewer, SIAM Undergraduate research Online (SIURO)
- 8- Reviewer, American Journal of Epidemiology

B. Publications

Selected Peer-reviewed Publications

- 1- Hamisu M. Salihu, **Boubakari Ibrahimou**, Getachew Dagne and Euna M. August: The risk of infant mortality in weekend vs. weekday births: A population-based study, Journal of Obstetrics and Gynaecology Research, 2011, (in press)
- 2- Hamisu M. Salihu, Nafissa Ghaji, Alfred K. Mbah, Amina P. Alio and **Boubakari Ibrahimou**: Particulate pollutants and racial/ethnic disparity in feto-infant morbidity outcomes, Maternal and Child Health Journal, 2011, (in press)
- 3- **Boubakari Ibrahimou** : Analysis of Particulate Matter in Kentucky: J. Adv. Res. Stat. Probab., Vol. 3, 2011, no. 1, 24-35
- 4- **Boubakari Ibrahimou** and Omar Yayenie: Convex Standard Fundamental Domain for Subgroups of Hecke Groups: Bull. Aust. Math. Soc., 2010 doi: 10.1017/S0004972710001681
- 5- Hamisu Salihu, **Boubakari Ibrahimou** and Getachew Dagne: Intra-uterine exposure and timing of dual fetal programming sequences among surviving co-twins: J Matern Fetal Neonatal Med (): 100623010917047 (2010)
- 6- **Boubakari Ibrahimou** and Omar Yayenie: On Global and Local Type Bifurcation Results for Monotone Operators: Far East Journal of Applied Mathematics, Vol. 45 1, 2010, 1-11
- 7- **Boubakari Ibrahimou** and Athanasios G. Kartsatos: The Leray-Schauder approach to the Degree for (S_+) Perturbations of Maximal Monotone Operators in Separable Reflexive Banach spaces, Nonlinear Analysis 70 12 (2009) 4350-4368
- 8- Paul F. Monaghan, Carol A. Bryant, Julie A. Baldwin, Yiliang Zhu, **Boubakari Ibrahimou**, Jason D. Lind, Ricardo B. Contreras, Antonio Tovar, Tirso Moreno and Robert J. McDermott: Using Community Based Prevention Marketing to Improve Farm Worker Safety, Social Marketing Quarterly, Vol. 14, 2008, no. 4, 71-87
- 9- **Boubakari Ibrahimou**: The Generalized Degree for Multifunctions Perturbations of Maximal Monotone Operators and Applications, Int. Journal of Math. Analysis, Vol. 2, 2008, no. 25, 1201-1208

Technical Reports

- 10- **Boubakari Ibrahimou** and Yiliang Zhu: Efficacy of Eyeglasses Protective Coatings against Dew and Fog: Results of a Field Trial, FPRC Technical Report, 2009, 1-10
- 11- Jung-ha An, Richard Burgess, **Boubakari Ibrahimou**, Billy Jackson, Hariharanath Kavuri and Matthew Walker: The Unifying of Perspective on Attitude and Shape control, CRSC Technical Report, CRSC-TR04-41, 2004, 1-14

Manuscripts Currently Under Review

- 12- **Boubakari Ibrahimou**, Hamisu M. Salihu, Gary English and Getachew Dagne: Risk of Infant Mortality Among Co-twins Experiencing Singleton versus Twin Programming Sequence (under review)
- 13- **Boubakari Ibrahimou**, Hamisu M. Salihu, Gary English, Cynthia Anozie, Grace Larrey and Getachew Dagne: Twins born over weekends: Are they at risk for elevated infant mortality? (under review)
- 14- **Boubakari Ibrahimou**: Eingenvalue for Densely Defined $(S_+)_L$ Perturbations of Multivalued Maximal Monotone Operators in Reflexive Banach Spaces (under review)

C. Presentations

- 1- Analysis of Particulate Matter Speciation Metals, Moffitt Cancer Center, Tampa, FL 2011
- 2- Analysis of Recurrent Event: Maleheir Impact on China's birth rate, University of Cincinnati, Dept. of Environmental Health, 2010
- 3- Applying Generalized Additive Mixed Model to Air Pollution Data, KMAA sectional meeting, Lexington, KY 2010
- 4- The Generalized Degree for Multifunctions Perturbations of Maximal Monotone Operators and Applications, AMS/MAA - Joint Mathematics Meetings, San Francisco, CA, 2010
- 5- Statistical analysis of aggregated, spatiotemporally clustered proportions, AMS/MAA -Joint Mathematics Meetings, Washington, D.C, 2009
- 6- Fetal Growth Programming Patterns in Surviving Co-twins, Nova Southeastern University, Ft. Lauderdale, Florida, 2008
- 7- Modeling of Criteria Air Pollutants Data: a first step to linking air pollution to childhood asthma attack, 2008 USF Health Research Day, Tampa, Florida, 2008
- 8- Using the Leray-Schauder Degree for a Degree Involving Maximal Monotone Perturbations of (S_+) Operators, AMS/MAA - Joint Mathematics Meetings, New Orleans, Louisiana, 2007
- 9- On Degree and Bifurcations Results for Monotone Type Mappings, Carnegie Melon University, Pittsburgh, Pennsylvania, 2006
- 10- Degree for Mappings of Monotone Type, University of South Florida, Tampa, Florida, 2004

D. Research Support

- 1- RCAP II Award # 11-8016, Western Kentucky University, 2010 (ongoing)