

## C. Reuben Walker, Ph.D.

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*Associate Vice Chancellor for Strategic Initiatives, External Affairs and Auxiliary Services*

Fisher Hall, Rm. 118

Southern University and A & M College

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### **AREA OF INTERESTS:**

My academic interests include, (1) continuing to seek support for boosting the food and agricultural sciences student enrollment, (2) organic agriculture production, (3) preservation of campus and cultural structures, and (4) altering sex ratio in humans, livestock, and laboratory animals.

### **EDUCATION:**

**Degree: Ph.D. 1983: Oregon State University**

Major: Animal Breeding and Genetics

Minors: 1. Statistics 2. Poultry Management

Thesis: *"Genetic and Environmental Components of the Occurrence of Estrus in Confinement Gilts"*

**Degree: M.S. 1980: Oregon State University**

Major: Animal Breeding and Genetics

Minor: Crop Production

Thesis: *"Reproductive Performance of Sows Mated During Lactation"*

**Degree: B.S. 1976: Louisiana Tech University**

Major: Animal Science

**Degree: None- Freshman Year in 1972: Grambling State University\*** Major: Animal Science

\*Grambling State University (GSU) and Louisiana Tech University merged agricultural programs in 1973. I was the 1st and only GSU agricultural student to graduate as a result of the merger. Approximately, 100 GSU agricultural students started and then changed their majors to avoid the class hour conflicts between the two universities and long bus commute to Louisiana Tech University for classes. GSU eventually lost its agricultural program due to the aging agricultural faculty at GSU faculty retiring without replacements.

### **WORK EXPERIENCE:**

- January, 2018 to Present- Associate Vice Chancellor for Strategic Initiatives and Professor of Agricultural Sciences
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- November, 2016 to Present-Preservationist Advocate- For campus and agricultural structures (1960 dairy silos)
- November, 2016 to December, 2017 -Associate Vice Chancellor for Research and Technology Development & Chair/ Professor of Agricultural Sciences
- August, 2013 to October, 2016- Chair of Agricultural Sciences and Urban Forestry
- August, 2010 to July 2012- SUBR Division Leader of Agricultural Sciences
- July, 1997 to Present-Program Leader of Animal Science
- July, 1995 to Present- Professor of Animal Science
- July, 1990 -July, 1995 -Associate Professor of Animal Science
- July, 1985 - June, 1990 - Assistant Professor of Animal Science

**GRANTS & REVENUE GENERATION: (Abbreviated Listing> \$10 million dollars)**

1. Provided 100% of the written proposal transmitted to a former Louisiana Senator of Lafayette/St. Landry parishes that resulted in SU Ag Center receiving an annual \$750,000 appropriation since 2003 or \$10.5 million since 2003.
  2. Received a \$135,000 Louisiana Board of Regents grant that was rank 1st out of 33 grant proposals dealing with an industry linkage in 2011. The proposal was entitled, "Production and Niche Marketing Assessment of Aquaculture Waste in Organic Production."
  3. Received an organic grant proposal was funded by USDA on April 22, 2014 through 2017. The proposals entitled, "Evaluation of craw-crab meal as a feed supplement in organic pork production." The total funding was approximately \$410,000.
  4. Received funding for a USDA/1890 Capacity Building Grant entitled, "LA-Science, Technology, Engineering, Agriculture, and Mathematics (LA-STEAM) was funded for 2014-16. The total funding was approximately \$150,000. The total funding was approximately \$600,000.
  5. Received a \$300,000 USDA/1890 Capacity Building Grant for 2008-11 entitled, "Salvaging craw-crab offal in organic production systems SCOOPS."
  6. Received a \$600,000 USDA/Evans Allen Grant for 2004-08 entitled, "Evaluation of Methods and usages for processed aquatic waste meals."
  7. Received a \$150,000 USDA/1890 Capacity Building Grant for 2008-11 entitled, "Louisiana-Agricultural Research Apprenticeship Program (LA-RAP)."
  8. Served as a Co-Project Director on at least four (4) active USDA grants totaling over \$800,000.
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9. *Excluding the above listing* of funded grant proposals, in globo, I have participated over the last 30 years in funded or revenue generation totaling nearly 30 million dollars.

**PUBLICATIONS: (approximately abbreviated >50)**

**Patents (2 with one pending filing in 2018)**

Walker, C. Reuben. 2017. Craw-Jag Apparatus for drying shellfish waste (crawfish, crab, and shrimp). U.S. Patent Office. Provisional Patent Pending (Electrical dryer being updated presently) (Provisional patent Pending)

Walker, C. Reuben. 2004. Method and apparatus for reducing the calcium and phosphorous ration and increasing crude protein in shellfish waste. U.S. Patent Office. Patent# 6,777,542

Walker, Calvin. 1991. Baby Pig Catcher. Foreign License granted. Abandon due to the lack of University support. Another entity is now marketed the equipment. No. #07/710,314.

**Books (2)**

Walker, C. Reuben, P. Dinkins, G. C. Simon. 2004. Practical Swine Calculations. Copley Pub. Group, Acton, MA.

Walker, Calvin. 1990. Baby Pig Coloring Book. Copyrighted in 1990. U.S. Copyright Office VA-178-762

**BOOK CHAPTERS (4)**

Walker, C., P. Dinkins, and J. W. Robinson. 1995. Resolving School Conflicts through Appropriate Multicultural Education Programs: Dealing with Youth Violence. Pages 102-105. National Education Service. Bloomington, Indiana.

Walker, C. O. Bandele, and D. Mellion. 1993. Multicultural Education: Ways to Utilize the Historically Black Land-Grant Agricultural Programs. Chapter 16. Silver Burdett Ginn, Morristown, NJ.

Walker, Calvin and R. Jacobs. 1992. Toward Education That Is Multicultural: Multicultural Education: The Outlook, Outreach & Outcome for the 1990's. Chap. 7, pgs. 36-41. Silver Burdett Ginn, Morristown, NJ.

Wade, B. and C. Walker. 1990. Assessing the Effect of Various Academic Parameters on the Academic Performance of Honors Students at Southern University- Baton Rouge. Education, 115(1), 63-69.

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### **ARTICLES/ABSTRACTS/MAGAZINES (last 15 years abbreviated listing)**

Manuel, S., C. V. Chisley, R. Marshall, G. C. Simon, C. R. Walker, and S. Gebrelul. 2013. Evaluation of burnt corn gluten meal in layers diets. 17th Biennial Research symposium, Association of 1890 Research Directors, Inc. pg. 515.

Walker, C. R. and F. Mathieu. 2012. Burnt com gluten meal preliminary findings in sugarcane. Technical Report #10, 1 page, Dept. of Agricultural Sciences. Fisher Hall, Rm. 118, Southern University, Baton

Walker, C. R., Y. T. Ghebreyessus, and F. Mathieu. 2012. Crawfish meal fertilizer profile. Technical Report #7, 2 pages, Dept. of Agricultural Sciences. Fisher Hall, Rm. 118, Southern University, Baton Rouge, LA.

Walker C. R., Y. Ghebreyessus, S. Gebrelul, F. Mathieu, and A. Harris. 2006. Crawfish waste: A trash or treasure. 15th Annual Association of Research Directors, Inc., Atlanta, GA, pg. 94.

Walker, C. R. 2004. Crawfish: A Louisiana delicacy, an environmental nightmare. *Jaguar Nation Magazine* Spring/Summer, pg. 50-51.

Gebrelul, S., C. R. Walker, and A. Dantzer. 2004. The use of crawfish meal waste as a protein source for feeding goats. *J. Anim. Sci.* 82 (Suppl. 1), 355-356.

### **USDA/NOSB Published Documents(Writer)**

USDA/National Organic Standards Board. 2015. *Glucose (for use in organic livestock production)*. USDA NOSB La Jolla, April 2015 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.

USDA/National Organic Standards Board. 2015. *Isopropanol (for use in organic livestock production)*. USDA/NOSB La Jolla, April 2015 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.

USDA/National Organic Standards Board. 2015. *Oxytocin (for use in organic livestock production)*. USDA/NOSB La Jolla, April 2015 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.

USDA/National Organic Standards Board. 2015. *Hydrogen Peroxide (for use in organic livestock production)*. USDA/NOSB La Jolla, April 2015 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.

USDA/National Organic Standards Board. 2015. *Vitamins (for use in organic livestock production)*. USDA/NOSB La Jolla, April 2015 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.

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USDA/National Organic Standards Board. 2014. *Vitamins (for use in organic aquaculture animal production)*. USDA/NOSB, San Antonio, Texas, April 2014 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.

USDA/National Organic Standards Board. 2014. *Vitamins (for use in organic aquaculture plant production)*. USDA/NOSB, San Antonio, Texas, April 2014 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.

**PRESENTATIONS (abbreviated recent listing)\***

- I have over 40 presentations that spans research and extension. The presentations were local, regional, national, and international. A recent abbreviated listing is shown below.
- Walker, C. R. 2015. *Oxytocin*. The presentation was made at USDA/NOSB meeting in La Jolla, California on April 30, 2015.
- Walker, C. R. 2015. *Glucose*. The presentation was made at USDA/NOSB meeting in La Jolla, California on April 30, 2015.
- Walker, C. R. 2015. *Isopropanol*. The presentation was made at USDA/NOSB La Jolla, California meeting on April 30, 2015.
- Walker, C. R. 2015. *Vitamins*. The presentation was made at USDA/NOSB La Jolla, California meeting on April 30, 2015.
- Walker, C. R. 2015. *Hydrogen peroxide*. The presentation was made at USDA/NOSB La Jolla, California meeting on April 30, 2015.
- Walker, C. R. and C. Bandera. Justification for methionine removal from the USDA/NOSB National List. The presentation was made at USDA/NOSB La Jolla, California meeting on April 30, 2015.
- Walker, C. R., T. Favre, J. Dickson, C. Bandera, J. Richardson, M. Stone, and F. Thicke. 2014. *Vitamins in aquatic animal production*. The presentation was made at USDA/NOSB San Antonio, May, 2014.

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**HONORS AND AWARDS (abbreviated):**

- 2015 -16 USDA/National Organic Program Service Award -USDA Secretary of Agriculture Vilsack
- 2015-2016 USDA/NIFA Top National Innovative Programs and Projects Award- Team Leader
- 2012 - 2013 Elected Secretary of USDA/ National Organic Standards Board (NOSB)
- 2013 - 2015 Materials Subcommittee Chair- USDA/National Organic Standards Board (NOSB)
- 2014 - 2015 Livestock Subcommittee -Vice Chair- USDA /NOSB
- 2014 - 2015 Policy Subcommittee Committee –Vice Chair - USDA /NOSB
- 2011 - 2016 Appointment to USDA/NOSB
- 2004 - 1<sup>st</sup> and only scientist at SU to receive a patent from the U.S. Patent & Trademark Office
- 2004 - 1<sup>st</sup> and only scientist at SU Ag Center to receive a patent
- 1999 - Alpha Phi Alpha Fraternity (Beta Iota Lambda) -Award of Merit (Highest Recognition)
- 1992- Southern University's Dr. Huel D. Perkins Teacher of the Year Award.
- 1992 - Recipient of the- Outstanding Faculty Award (College of Agriculture & Home Economics)
- 1990 - Recipient of the Outstanding Faculty Award (College of Agriculture & Home Economics)

**UNIVERSITY/COLLEGE/CAMPUS COMMITTEES**

- 2015 to Present- SUBR Commencement Committee -Assistant University Marshall
- 2013-15 - Member of the College of Sciences and Agriculture Tenure & Promotion Committee
- 2013 -14- Chair of the Dean Search Committee for the College of Sciences and Agriculture
- 2014- 15- Chair of the SUBRISU Ag Center Horticultural Farm Planning Committee
- 2014-2015- SU Ag Center Experiment Station Committee
- Charter Member of Southern University Mentoring Program
- 1989 to Present and Currently, Co-Chair of the SUBR Academic Honors Committee
- June, 2014- Former Member of the SUS/SUBR Academic Restructuring Taskforce
- June, 2014- Jetson Juvenile Detention Center White Paper Committee
- 1988 -1994- Member of SUBR Academic Appeals Committee
- Charter Member of SUBR Honors College Advisory Committee
- 1989 to Present and Currently, Co-Chair of the SUBR Academic Honors Committee
- 1988 to 1992 Member of SUBR Faculty Senate
- 1989-92 Bayou Classic National Issues Forum Coordinators (Drs. E. C Harrison, R. Ford, and I).

**MEMBERSHIP (abbreviated)**

- Phi Delta Kappa
- Alpha Zeta National Honor Fraternity
- Alpha Phi Alpha Fraternity
- Charter Member of Alpha Zeta (LA Gamma Chapter) at Louisiana Tech University

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- Charter Member of Southern University Honors College Advisory Board
- 1992-94 Director of the Agriculture & Forestry Section of the LA. Academy of Sciences
- Organic Consumers Association
- Honorary Southern University Alumni Member- Paid in 1985.

**HOBBIES:**

- Historical preservation (cultural and campus structures)
- Reiki Spiritual Healer (Master Level 3)- Highest Level
- Herbal Medicine Practice (Anti-Cancer, cholesterol/high blood lowering herbs)
- Golf
- Rodeo
- Shrimping, crabbing, and crawfishing

**Personal Data:**

- Born in Shreveport, Louisiana and reside in Lafayette Louisiana
  - Married to Michelle Walker (former Michelle Guillory) of Swords, Louisiana
  - Children: Marcus Reuben Walker and Michael David Walker
  - Religion: My life: The way I live and treat people; the sum total is my religion.
  - Preferred Religious Sects: Church of God in Christ and Judaism
  - My Spiritual Force Number: 33
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