

Martha Verghese, Ph.D.
Professor and Chair
Food Science/Nutritional Biochemistry/Toxicology/Food Product Development
Department of Food and Animal Sciences
Alabama A & M University
Normal, AL 35762
(256) 372-4175

EDUCATION:

- **B.S.**, Food Science and Nutrition, 1988, Bombay University, Bombay, India
- **M.S.**, Food Science and Nutrition, 1990, Bombay University, Bombay, India
- **M.S.** Nutrition, 1996, Alabama A & M University, Normal, AL
- **Ph.D.**, Food Science (Nutritional biochemistry/toxicology), 2000 Alabama A & M University, Normal, AL

RESEARCH/WORK EXPERIENCE:

- **Professor and Chair- (November 2013-present)**-Department of Food and Animal Sciences
- **Professor and Interim Chair- (May 2008-October 2013)**-Department of Food and Animal Sciences
- **Associate Professor- (August 2005-March 2008)**: Department of Food and Animal Sciences.
- **Assistant Professor-(August 2002-August 2005)**: Department of Food and Animal Sciences.
- **Research Assistant Professor-(August 2001-July 2002)**: Department of Food and Animal Sciences.
- **Post-Doctoral Research Associate-(June 2000-July 2001)**: Conducting research in the area of Nutrition and Carcinogenesis. Teaching classes.
- **Graduate Research Assistant (October 1997-May 2000)**. Department of Food Science, Alabama A & M University, Normal, AL
 - Effect of Selected Phytochemicals on Azoxymethane-induced aberrant crypt foci and colon tumors-in vivo and in vitro
 - Instructing undergraduate and graduate classes and laboratories
- **Graduate Research Assistant (June 1994 - December 1995)**, Department of Nutrition, Alabama A & M University
 - The Relationship between diet, lifestyle and selected demographics as risk factors in the incidence of cardiovascular diseases in a rural elderly population in Alabama.
- **Research Associate (January 1997-September 1997)**, Department of Nutrition, Alabama A & M University, Normal, AL
 - In charge of USDA/CSREES project on Cardiovascular disease risk intervention in adults
 - Conducted and taught nutrition education classes

- Carried out lipid profiles and analysis for pre and post-intervention study
- Taught an undergraduate course -Nutrition for Early and middle Childhood-Spring 1997-3 Credits-Juniors and Seniors
- **Assistant Professor of Food Science and Nutrition**, July 1990-May 1994 Madras University, - Madras, India.
- **Food Industry internship, Parle, India (1990)**
- **Graduate Research Assistant** July 1988-1990- -S.N.D.T. Women's University, Bombay, India
 - Iodine Content of Selected Foods; Iodine Profiles (UNDP Project)
 - Conducted laboratories and assisted with teaching undergraduate classes
 - Dietetics Internship (Jaslok Hospital, Bombay, India).

TEACHING EXPERIENCE:

Graduate: Advances in Nutrition, Advanced Topics in Food Science, Advanced Food Chemistry, Product development and research, Food Chemistry, Agricultural Biochemistry, Minerals and Vitamins, Advanced Food Toxicology, Seminar, Carbohydrates and Lipids, Food Toxicology, Teaching for Ph.D., Pigments & Flavors, Functional Food & Nutraceuticals Food Toxicology, Carbohydrates & Lipids, Proteins in Food and Nutrition, Seminar

Undergraduate: Food and Survival of Man, Introduction to Food Science, Food Microbiology, Food Chemistry, Food Science Capstone, Nutrition for Early and Middle Childhood, Seminar

Master's students: Directed: 69 (2001 to present)

1. Alvenia Anderson
2. Jocelyn Richardson
3. Meconya Johnson
4. Rajitha Sunkara
5. Marjorie Fullerton
6. LaTonya Dukes
7. Reuel Field
8. Venugopal Panala
9. Jamie Kendrick
10. Cheryl Rock
11. Dattatreya Gajjula
12. Jamishia Hampton
13. Djuan Jenkins
14. Shaquella Whitt
15. Shondra Bryant
16. Antonio Miller
17. Tony Bradford
18. Terrence Martin
19. Nader Hazzari
20. David Asiamah

21. Steven Appiah
22. Lisa Disney
23. Belinda Kanda
24. Jonathan Penton
25. Marilyn Hawkins
26. Mathew Hayden Reid
27. Lauren Mounts
28. Rochelle Hall
29. Jennifer Allen
30. Janika Hull
31. Jelisa Thomas
32. Leslie Johnson
33. Whitney Owens
34. Adrienne Johnson
35. Bianca Hill
36. Angela Russell
37. Ezra Mutai
38. Rowland Offei-Okeye
39. Danielle Johnson
40. Fredreanna Hester
41. Shantrell Willis (Co-advise)
42. Ezra Mutai
43. Janelle Barrick
44. Jazmin Merritt
45. Nigel Chimbetete
46. Aaron Dudley
47. Lillian Smith
48. Jasmine Merritt
49. Collin Wolhar
50. Priyanka Patel
51. Jonathan Stokes
52. Meijah McCollum
53. Rajwinder Kaur
54. Camara Blasingame
55. Anissa Taylor
56. Emmalee Tigner
57. Kunle Taofeek (coadvise)
58. Jasmine Thomas
59. Keundra Golden
60. Sanjog Sidhu
61. Jada Mack
62. Shornare Brown
63. Katherine San Martin (co-advise)
64. Mallori Odum

65. Vanessa Ward
66. Dawn Nash
67. Jabari Hinton
68. Maryam Shomope
69. Ostavia Cintron (co-advise)
70. Chynna Gross
71. Terica Curtis

Ph.D. Dissertation: Directed: 36 (2001 to present)

1. Magaly Martinez-Ferrer (Co-Advise)
2. Jacquelyn Jones
3. Marcus Guyton
4. Janak Khatiwada
5. Judith Boateng
6. Darlene Williams
7. Rajitha Sunkara
8. Aretha Clisby
9. Vishnupriya Gourineni
10. Reuel Field
11. Latonya Dukes
12. Kristin Campbell
13. Daphne Simmons
14. Rhona Miller-Cebert
15. Jennifer Patterson
16. Lisa Dalrymple
17. Kasang Busambwa
18. Nedra Montgomery (co advise)
19. Swetha Salla
20. Sylvie Assoi
21. Nnan Diby
22. Shantrell Wills
23. Fredreana Hester
24. Hadyn Reid
25. Ebube Onwasigwe
26. MaryBeth Buchanan (co-advise)
27. Lillian Smith
28. Terence Martin
29. Nigel Chimbetete
30. Shakaree Hale
31. Natalia Ceron Romero (co-advise)
32. Rajwinder Kaur
33. Adrienne Johnson
34. Ahmed Gomaa (co-advise)
35. Jelisa Thomas (co-advise)

36. Kunle TaoEEK (coadvise)

In Progress: 5 (MS students)

1. Katelyn Boyle
2. Jayla Lane
3. Khalid Smith

In Progress: 2 (PhD students)

1. Harpreet Singh
2. Karthick Medalambi

Committee Member:

Completed

Debra Byrd, Ph.D.
Tanisha Randolph, M.S.
Dontraneice Guyton, M.S.
Peter Wambura, M.S.
Wendy Lang, M.S.
Letticia Nettles M.S.
Cornelius Howard M.S.
Amit Ahuja M.S.
Ellie George Kean M.S.
Kalvina Hammonds, M.S.
Brandy Dowdy, M.S.
Aretha Clisby M.S.
Lena Simmons M.S.
Kysha Alphonse, M.S.
Vishnu Aljapur, M.S.
Yvonne Chuwkumah, Ph.D.
Peter Wambura Ph.D.
Tamara Warren Ph.D.
Miriam Osinboyajo M.S.
David Garner Ph.D.
Afef Janen Ph.D.
Joshua Adeye Ph.D
Njere Austin PhD
Vinod Narayanan MS
Vijay Marry MS
Akshay M. MS
Sharat Janalagonda MS
Nasson Wambura MS
Celeste Bell MS
Cassidy Brazelton MS

Shannon Coleman MS
Anthony Sims M.S.
Santosh Chintapandu MS
Nicole Kennedy M.S.
Nedra Montgomery M.S.
Roya Njafi M.S.
Vijay Porreddy (PhD)
Jessy Smith (M.S.)
Marilyn Thompson (MS)
Brian Woods (MS)
Tope Sanusi (MS)
Sharat Jonallagada (PhD)
Shakila Cole (MS)
Ashley Kelly (MS)
John Kuponyi (MS)
Jawad Misir-MS
Shakaree Hale-MS
Don Mack-MS
Wendell Ward-MS

Undergraduate Students Advisor (Current)-10

Undergraduate Students Advisor (Graduated-2001-current) over 100

PROFESSIONAL/HONOR SOCIETIES

- Fellow-Institute of Food technologists (IFT) 2019
- Fearless Leaders Program 2017
- Fellow-Food Systems Leadership Institute, November 2013
- Certified Food Scientist (April 2013 to current) by International Food Science Certification Commission and IFT
- IFT Section Volunteer Awards (2013, 2014, 2015, 2016, 2017, 2018)
- Institute of Food Technologists Professional Member (1998-present)
- American Society for Nutritional Sciences/FASEB (2002-present)
- American Association for Cancer Research, (2005-present)
- Phi Tau Sigma Food Science Honorary Society (2001-present), Chapter President
- Institute of Food Technology Dixie section (1998-present).
- Alabama Education Association (2001-present)
- American Association for Cancer Research-Minorities in Cancer Research (MICR)
- AACR-Women in Cancer Research (WICR)

HONORS AND AWARDS

1. IFT National Excellence in Teaching Award (William V. Cruess Award for Excellence in Teaching) 2020
2. Fellow-Institute of Food technologists (IFT) 2019

3. Fearless Leaders Program 2017
4. Fellow-Food Systems Leadership Institute, November 2013
5. Certified Food Scientist (April 2013 to current) by International Food Science Certification Commission and IFT
6. Outstanding Researcher, School of Agricultural and Environmental Sciences, April 2008
7. Outstanding Teacher, School of Agricultural and Environmental Sciences, April 2007
8. Outstanding Researcher award, AAMU, 2005
9. Outstanding Researcher award, AAMU, 2004
10. Invited as a speaker to World Cancer Congress with the theme of "From Basic Research to Therapeutics, June 12-17, 2008
11. American Association for Cancer Research Faculty Scholar Award in Cancer Research, April, 2007
12. American Association for Cancer Research Faculty Scholar Award in Cancer Research, December, 2007
13. American Association for Cancer Research Faculty Scholar Award in Cancer Research, 2005
14. Graduate student won **2nd place** at the National IFT meeting poster competition, *Nutrition Division July 2021*.
15. Undergraduate student won **2nd place** at the National IFT meeting poster competition
16. Graduate student won **1st place** at the National IFT meeting poster competition, *Nutrition Division July 2020*
17. Graduate student won **1st place** at the National IFT meeting poster competition, *Product Development Division July 2020*
18. Graduate student won **2nd place** at the National IFT meeting poster competition, *Nutraceutical and Functional Foods Division July 2020*
19. Graduate student won **3rd place** at the National IFT meeting poster competition, *Nutraceutical and Functional Foods Division July 2020*
20. Graduate student won **2nd place** at the National IFT meeting oral paper competition, *Nutraceutical Division, IFT 2016 Chicago, IL*
21. South East Section Product development Teams, Mentor, 2 groups won **1st places (tie)**-2016 South East Section Product development Teams, Mentor, 2 groups won **1st and 2nd places** -2015
22. Won the **1st Place** at the National IFT Paper Competition. Chicago, July 1999
23. Won the **2nd place** at the National IFT Paper Competition, Dallas, TX, June 2000
24. Graduate student won **1st place** at the National IFT meeting poster competition, *Biotechnology Division July 2018*
25. Graduate student won **2nd place** at the National IFT meeting poster competition, *Functional Food and Nutraceuticals Division July 2017*

26. Graduate student won **2nd place** at the National IFT meeting poster competition, *Nutrition Division June 2016*
27. Graduate student won **3rd place** at the National IFT meeting poster competition, Product Development Division, IFT 2019 New Orleans, LA
28. Graduate student won the **1st place** South Eastern Section of IFT Graduate research poster competition, Clemson, SC, 2019
29. Graduate student won the **2nd place** South Eastern Section of IFT Graduate research poster competition, Clemson, SC, 2019
30. Graduate student won the **3rd place** South Eastern Section of IFT Graduate research poster competition, Clemson, SC, 2019
31. Undergraduate student won the **1st place** South Eastern Section of IFT Undergraduate research poster competition, Clemson, SC, 2019
32. Undergraduate student won the **3rd place** South Eastern Section of IFT Undergraduate research poster competition, Clemson, SC, 2019
33. Graduate Student won the **1st place** Association of 1890 Research Directors Symposium research oral competition, Jacksonville, FL, 2019
34. Graduate Student won the **2nd place** Association of 1890 Research Directors Symposium research oral competition, Jacksonville, FL, 2019
35. Graduate Student won the **1st place** Association of 1890 Research Directors Symposium research poster competition, Jacksonville, FL, 2019
36. Undergraduate Student won the **1st place** Association of 1890 Research Directors Symposium research oral competition, Jacksonville, FL, 2019
37. Undergraduate Student won the **1st place** at the 13th STEM Day Poster Competition, Alabama A&M University, April, 2019
38. Undergraduate Student won the **2nd place** at the 13th STEM Day Poster Competition, Alabama A&M University, April, 2019
39. Undergraduate Student won the **3rd place** at the 13th STEM Day Poster Competition, Alabama A&M University, April, 2019
40. Graduate Student won the **1st place** at the 13th STEM Day Poster Competition, Alabama A&M University, April, 2019
41. Graduate Student won the **2nd place** at the 13th STEM Day Poster Competition, Alabama A&M University, April, 2019
42. Undergraduate Student won the **1st place** at the 12th STEM Day Poster Competition, Alabama A&M University, April, 2018
43. Undergraduate Student won the **2nd place** at the 12th STEM Day Poster Competition, Alabama A&M University, April, 2018
44. Graduate Student won the **1st place** Association of 1890 Research Directors Symposium research poster competition, Atlanta, GA, 2017
45. Graduate Student won the **3rd place** Association of 1890 Research Directors Symposium research oral competition, Atlanta, GA, 2017
46. Undergraduate Student won the **3rd place** Association of 1890 Research Directors Symposium research poster competition, Atlanta, GA, 2017
47. Undergraduate Student won the **1st place** at the 11th STEM Day Poster Competition, Alabama A&M University, April, 2017

48. Undergraduate Student won the **2nd place** at the 11th STEM Day Poster Competition, Alabama A&M University, April, 2017
49. Graduate Student won the **2nd place** at the 11th STEM Day Poster Competition, Alabama A&M University, April, 2017
50. Graduate Student won the **1st place** at the 11th STEM Day Poster Competition, Alabama A&M University, April, 2017
51. Graduate Student won the **2nd place** at the 10th STEM Day Poster Competition, Alabama A&M University, April, 2016
52. Graduate Student won the **2nd place** at the 10th STEM Day Poster Competition, Alabama A&M University, April, 2016
53. Undergraduate Student won the **2nd place** at the 10th STEM Day Poster Competition, Alabama A&M University, April, 2016
54. Undergraduate Student won the **3rd place** at the 10th STEM Day Poster Competition, Alabama A&M University, April, 2016
55. Graduate Student won the **1st place** at the 9th STEM Day Poster Competition, Alabama A&M University, April, 2015
56. Graduate Student won the **2nd place** at the 9th STEM Day Poster Competition, Alabama A&M University, April, 2015
57. Graduate Student won the **3rd place** at the 9th STEM Day Poster Competition, Alabama A&M University, April, 2015
58. Undergraduate Student won the **1st place** at the 9th STEM Day Poster Competition, Alabama A&M University, April, 2015
59. Undergraduate Student won the **2nd place** at the 9th STEM Day Poster Competition, Alabama A&M University, April, 2015
60. Undergraduate Student won the **3rd place** at the 9th STEM Day Poster Competition, Alabama A&M University, April, 2015
61. Graduate Student won the **1st place** at the 8th STEM Day Poster Competition, Alabama A&M University, April, 2014
62. Graduate Student won the **2nd place** at the 8th STEM Day Poster Competition, Alabama A&M University, April, 2014
63. Graduate Student won the **3rd place** at the 8th STEM Day Poster Competition, Alabama A&M University, April, 2014
64. Undergraduate Student won the **2nd place** at the 8th STEM Day Poster Competition, Alabama A&M University, April, 2014
65. Undergraduate Student won the **3rd place** at the 8th STEM Day Poster Competition, Alabama A&M University, April, 2014
66. Graduate student won **2nd place** at the National Association of Research Director's Symposium oral paper competition, *Food Safety, Nutrition, and Health graduate Student Awards*, Jacksonville, FL, April, 2013
67. Graduate student won the **2nd place** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health graduate Student Awards*, , Jacksonville, FL, April, 2013

68. Graduate student won the **3rd place** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health graduate Student Awards*, , Jacksonville, FL, April, 2013
69. Graduate Student won the **1st place** at the 7th STEM Day Poster Competition, Alabama A&M University, April, 2013
70. Graduate Student won the **2nd place** at the 7th STEM Day Poster Competition, Alabama A&M University, April, 2013
71. Graduate Student won the **3rd place** at the 7th STEM Day Poster Competition, Alabama A&M University, April, 2013
72. Undergraduate Student won the **1st place** at the 7th STEM Day Poster Competition, Alabama A&M University, April, 2013
73. Undergraduate Student won the **2nd place** at the 7th STEM Day Poster Competition, Alabama A&M University, April, 2013
74. Undergraduate Student won the **3rd place** at the 7th STEM Day Poster Competition, Alabama A&M University, April, 2013
75. Graduate Student won the **1st place** at the 6th STEM Day Poster Competition, Alabama A&M University, April, 2012
76. Graduate Student won the **2nd place** at the 6th STEM Day Poster Competition, Alabama A&M University, April, 2012
77. Graduate Student won the **3rd place** at the 6th STEM Day Poster Competition, Alabama A&M University, April, 2012
78. Undergraduate Student won the **1st place** at the 6th STEM Day Poster Competition, Alabama A&M University, April, 2012
79. Undergraduate Student won the **2nd place** at the 6th STEM Day Poster Competition, Alabama A&M University, April, 2012
80. Undergraduate Student won the **3rd place** at the 6th STEM Day Poster Competition, Alabama A&M University, April, 2012
81. Graduate Student won the **2nd place** at the 6th STEM Day Poster Competition, Alabama A&M University, April, 2012
82. Graduate Student won the **2nd place** at the 5th STEM Day Poster Competition, Alabama A&M University, April, 2011
83. Undergraduate Student won the **1st place** at the 4th STEM Day Poster Competition, Alabama A&M University, April, 2011
84. Undergraduate Student won the **2nd place** at the 4th STEM Day Poster Competition, Alabama A&M University, April, 2011
85. Graduate student won the **1st place** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health graduate Student Awards*, Atlanta, GA, April, 2011
86. Graduate student won the **2nd place** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health graduate Student Awards*, Atlanta, GA, April, 2011
87. Undergraduate student won the **2nd place** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health Undergraduate Student Awards*, Atlanta, GA, April, 2011

88. Undergraduate Student won the **1st place** at the 4th STEM Day Poster Competition, Alabama A&M University, April, 2010
89. Graduate Student won the **2nd place** at the 4th STEM Day Poster Competition, Alabama A&M University, April, 2010
90. Graduate Student won the **3rd place** at the 4th STEM Day Poster Competition, Alabama A&M University, April, 2010
91. Undergraduate Student won the **1st place** at the 4th STEM Day Poster Competition, Alabama A&M University, April, 2010
92. Undergraduate Student won the **2nd place** at the 4th STEM Day Poster Competition, Alabama A&M University, April, 2010
93. Undergraduate Student won the **1st place** at the 4th STEM Day Poster Competition, Alabama A&M University, April, 2010
94. Undergraduate Student won the **2nd place** at the 4th STEM Day Poster Competition, Alabama A&M University, April, 2010
95. Undergraduate Student won the **3rd place** at the 4th STEM Day Poster Competition, Alabama A&M University, April, 2010
96. Graduate Student won the **1st place** at the National IFT Graduate Paper Competition, Anaheim, CA, 2009
97. Graduate Student won the **2nd place** at the National IFT Graduate Paper Competition, Anaheim, CA, 2009
98. Graduate Student won the **4th place** at the National IFT Graduate Paper Competition, Anaheim, CA, 2009
99. Graduate Student won the **1st place** at the 3rd STEM Day Poster Competition, Alabama A&M University, April, 2009
100. Graduate Student won the **2nd place** at the 3rd STEM Day Poster Competition, Alabama A&M University, April, 2009
101. Graduate Student won the **3rd place** at the 3rd STEM Day Poster Competition, Alabama A&M University, April, 2009
102. Undergraduate Student won the **1th place** at the 3rd STEM Day Poster Competition, Alabama A&M University, April, 2009
103. Graduate Student won the **3rd place** at the 3rd STEM Day Poster Competition, Alabama A&M University, April, 2009
104. Undergraduate student won **1st place** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health Undergraduate Student Awards*, Atlanta, GA, April, 2009
105. Undergraduate student won the **2nd place** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health Undergraduate Student Awards*, Atlanta, GA, April, 2009
106. Graduate student won **1st place** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health Undergraduate Student Awards*, Atlanta, GA, April, 2009
107. Graduate student won the **2nd place** at the National Association of Research Director's Symposium paper (oral) competition, *Food Safety, Nutrition, and Health Undergraduate Student Awards*, Atlanta, GA, April, 2009

108. Graduate student won the **2nd place (poster)** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health Undergraduate Student Awards*, Atlanta, GA, April, 2009
109. Graduate Student won the **2nd place** at the National IFT Graduate Paper Competition, Chicago, 2008
110. Graduate Student won the **3rd place** at the National IFT Graduate Paper Competition, Chicago, 2008
111. Graduate Student won the **1st place** at the 2nd STEM Day Poster Competition, Alabama A&M University, April 11, 2008
112. Graduate Student won **2nd place** at the 2nd STEM Day Poster Competition, Alabama A&M University, April 11, 2008
113. Graduate Student won the **3rd place** at the 2nd STEM Day Poster Competition, Alabama A&M University, April 11, 2008
114. 2 undergraduate Students won the **1st place** at the 2nd STEM Day Poster Competition, Alabama A&M University, April 11, 2008
115. Graduate Student won the **1st place** at the National IFT Graduate Paper Competition, Chicago, IL July 2007
116. Graduate Student won the **3rd place** at the National IFT Graduate Paper Competition, Chicago, IL July 2007
117. Graduate Student won the **4th place** at the National IFT Graduate Paper Competition, Chicago, IL July 2007
118. Graduate Student won the **1st place** at the 1st STEM Day Poster Competition, Alabama A&M University, March 30th, 2007
119. Two Graduate Students won **2nd place** at the 1st STEM Day Poster Competition, Alabama A&M University, March 30th, 2007
120. Graduate Student won the **3rd place** at the 1st STEM Day Poster Competition, Alabama A&M University, March 30th, 2007
121. Undergraduate Student won the **1th place** at the 1st STEM Day Poster Competition, Alabama A&M University, March 30th, 2007
122. Undergraduate Student won the **2nd place** at the 1st STEM Day Poster Competition, Alabama A&M University, March 30th, 2007
123. Graduate Student won the **1st place** at the National IFT Graduate Paper Competition, Orlando, FL, June 2006
124. Graduate Student won the **3rd place** at the National IFT Graduate Paper Competition, Orlando, FL, June 2006
125. Graduate Student won the **4th place** at the National IFT Graduate Paper Competition, Orlando, FL, June 2006
126. Graduate Student won the **5th place** at the National IFT Graduate Paper Competition, Orlando, FL, June 2006
127. Graduate Student won the **2nd place** at the National IFT Graduate Paper Competition, New Orleans, LA, July 16-20th, 2005
128. Graduate Student won the **3rd place** at the National IFT Graduate Paper Competition, New Orleans, LA, July 16-20th, 2005

129. Undergraduate student won **1st place** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health Undergraduate Student Awards*, Atlanta, GA, April, 2006
130. Undergraduate student won the **2nd place** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health Undergraduate Student Awards*, Atlanta, GA, April, 2006
131. Graduate Student Won **3rd place** at the National IFT Paper Competition, Las Vegas, Nevada, July 2004
132. Undergraduate student won **1st place** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health Undergraduate Student Awards*, Atlanta, GA, April, 2003
133. Undergraduate student won the **3rd place** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health Undergraduate Student Awards*, Atlanta, GA, April, 2003
134. Graduate Student won the **1st place** at the National Association of Research Director's Symposium paper competition, *Food Safety, Nutrition, and Health Graduate Student Awards*, Atlanta, GA, April, 2003
135. Graduate Student won the **1st place** at the National IFT Graduate Paper Competition, Anaheim, CA, July 2001
136. Outstanding Graduate Student, School of Agricultural & Environmental Sciences, 2000
137. Gold medal at the Undergraduate and Graduate level at SNDT Women's University, Bombay, India
138. Awarded the **University Grants Commission** Award for eligibility for Lectureship in Universities. July 1990
139. Institute of Food Scientists and Technologists-India award for "Student of the Year" 1990.

OTHER ACTIVITIES:

- IFT Higher education committee member (2018-2022)
- Feeding tomorrow Learn About Food Science (LAFS) Task force (2018 until)
- Feeding tomorrow Fun-Run Team challenge (Alabama Captain)
- Chair of the IFT SES Leadership award (2011-2017)
- Chair of the IFT SES Poster competition (2011-2016)
- Chair of the IFT SES Product Development Competition (2015)
- Director-at-large-IFT SES 2013 to 2017
- Phi Tau Sigma, Food Science Honor Society Nominations Committee, 2014-2019
- IFT National Scholarship jury Chair (2013 and 2014)
- Food Systems Leadership Institute Cohort (Fellow cohort 2011-2013)
- IFT Higher education committee member and co-chair for accreditation of Food Science programs 2010-2012
- Member at large, IFT SES 2012-2013
- Scientific paper/poster Judge at the IFT National Scientific meeting, 2003-present

- Scientific paper Judge at the National Biennial Association of Research Directors Symposium, 2013, 2011, 2009 and 2007.
- Past Chair, IFT Regional (Southeastern) Section (2011-2012)
- Secretary, IFT Regional (Southeastern) Section (2010-2011)
- Member of Executive Committee of The National Institute of Technologists, Nutrition Division (2004-present).
- Secretary, IFT Regional (Southeastern) Section (2007-2008)
- Editor of Nutrition Division's (IFT) news letter.
- Member of Executive Committee and Counselor for National *Phi Tau Sigma*, The Food Science Honor Society.
- Phi Tau Sigma, The Food Science Honor Society AAMU Chapter President, 2001 to current
- Invited speaker at the Functional Foods: The New Medicine; Urban-Rural Interface Conference, April 20, 2006, Huntsville, AL
- Invited Speaker at the Cornell University's Scholars Career Day, Ithaca, N. York.

Service to the University:

1. Title III HBGI-Activity Director
2. Member University Strategic Planning Committee, 2014-2016
3. Member University STEM Day committee, 2007-current
4. Chair, University STEM day 2008
5. Chair, Institutional Animal Care and Use committee (IACUC), 2005 to current
6. Member -Selection committee of CALNS Dean (2012-2013)
7. Co-Chair, SACS writing subcommittee (2012 to 2014)
8. Member-Academic Affairs SACS writing committee
9. Member -Interdisciplinary Sciences program (Undergraduate) development committee (2011-2012)
10. Member -Masters in Applied Sciences program development committee (2011-2012)
11. Member -Selection committee of Director of LRC (2012)
12. Member -Selection of Associate Provost and Dean Graduate studies (2010)
13. University Promotion and Tenure committee member-2006 - 2008
14. Faculty Senator-2006 - 2008
15. University faculty senate executive committee (2006-2007)
16. Chair- University Research standing committee- Faculty Senate (2006-2007)
17. Member-Faculty senate Nomination committee (2006-2007)
18. Member Graduate Council (Faculty Senate Representative)- 2007-2008
19. University Calendar Committee- 2004-2005
20. Recruitment and Retention Committee, 1999-present
21. Graduate Students selection Committee, 2001-present
22. Special Events Committee-Chair 2003-present.
23. Chair-Curriculum Committee-2006-present
24. SACS/IFT/Strategic Planning Committee-2001-present

25. In charge of Department Newsletter, brochure publication
26. (2001-2005)
27. Mentor-Changing Lanes First Year mentoring Program (Office of Retention and Academic Support, 2003-current)
28. AIDS Day Speaker
29. Sponsor for International Students Association
30. School of Agricultural and Environmental Sciences week committee (2000-present).
31. Served on several awards committees for School of Agricultural and Environmental Sciences week (2000-2009)
32. Served on several search committees for departmental, chair, faculty and staff positions.
33. Mentor (1998-present) AAMU Summer research Apprenticeship program.
34. Member-Graduate faculty
35. Food Science Club Advisor (2001-2011)
36. Food Science program undergraduate/graduate advisor (2001-present)
37. Phi Tau Sigma, AAMU Chapter President and faculty advisor

REVIEWER:

- Associate Editor, American Journal of Food Technology
- Associate Editor, Journal of Biochemistry
- Associate Editor, Journal of Pharmacology and Toxicology
- Associate Editor, Research Journal of Phytochemistry
- Associate Editor, Journal of Clinical Nutrition
- Associate Editor, Journal of Scientific Research
- Associate Editor, International Journal of Cancer Research
- Associate Editor, Journal of Food Quality
- Peer-Reviewer, International Journal of Food Science and Technology, Academic Press Inc. (London) Ltd.
- Peer-Reviewer, Food and Nutritional Sciences
- Peer-Reviewer, Food and Chemical Toxicology
- USDA, Cooperative State Research, Education, and Extension Service, National Research Initiative Competitive Grants Program (Improving Food Quality).

Community Service:

Volunteer at the Manna House-Food Bank
 Member of the Foster Children's Alliance (FOCAL) Board
 Volunteer at Local Head-Start program.
 Volunteer at Local Downtown rescue mission.
 Volunteer at Salvation Army.
 Volunteer at local old age/nursing homes.

Publications in Progress

1. J. Hinton, R. Kaur and **M. Verghese**. Use of Hemp, Alternative Proteins, and Spices in the Development of Functional Food Product. International Journal of Scientific and Research Publications.
2. R. Kaur, S. Hale, S. Willis, **M. Verghese**. Potential health benefits and Effects of Processing on the Antioxidant Potential of Brown and Gold Flaxseed Extracts.
3. R. Kaur, C. Gross, D. Nash, V. Ward, S. Willis, and **M. Verghese**. The effects of processing on the antioxidative benefits of persimmon fruit and leaves.
4. R. Kaur, V. Ward, S. Willis, and **M. Verghese**. Hemp Seed: Antioxidant Potential and Metabolizing Enzyme Inhibition.
5. R. Kaur, J. Thomas, S. Willis, J. Thomas, and **M. Verghese**. Health Benefits and Food Application of Black and White Chia Seeds and Impact of Processing and Variety on Antioxidant Potential and Metabolizing Enzyme Inhibition.

Publications

1. Kaur, R., Willis, S., Shackelford, L., Walker, L. T., & **Verghese, M.** (2022). Determination of Antioxidant Potential of Selected Parts of Aloe Vera Plant. Journal of Food & Nutritional Sciences, 4(2)
2. R. Kaur, **M. Verghese**, S. Willis, L.T. Walker Impact of different processing methods on phytochemicals and anti-oxidative properties of five varieties of Mushrooms, IJSRP, Volume 12, Issue 1, January 2022 Edition [ISSN 2250-3153]
3. Nash D, Kaur R, Ward V, Hester F, Willis S, **M. Verghese** (2022) Selected Health Benefits of Spices (Garlic, Ginger, Turmeric). J Food Sci Nutr 8: 135
4. **M. Verghese**, J. Boateng, S. Willis, A. Gomaa, R. Kaur. Effect of Food Processing on Antioxidant Potential/Availability/Bioavailability. Annual Review of Food Science and Technology. 2021. Vol 12;307-329
5. A. Gomaa, J. Boateng, S. Willis, **M. Verghese**. Probiotic Fermentation of Konjac and Carob Pods Ceratonia Siliqua and Impact on The Antioxidant Activity of The Fermented Products. American Journal of Food Technology. 16 (1):18-30

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7. Ceron-Romero, N., A. Thomas, E. Vroonland, K. Sanmartin, **M. Verghese**, E. Heinen and J.A. Vizcarra. 2021. The effect of a Ghrelin Receptor Agonist (Capromorelin) on Feed Intake and Body Weight Gain in Broiler Chickens (*Gallus gallus domesticus*). *Poultry Science*. *Poultry Science* (2021): 101204.
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BOOK CHAPTERS

1. SomaMukherjee NavamHettiarachchy, & **M.Vergheese**. Nutraceutical delivery system , Food, Medical, and Environmental Applications of Polysaccharides, 2021, Pages 135-159, <https://doi.org/10.1016/B978-0-12-819239-9.00023-3>
2. **Martha Vergheese**, Judith Boateng, Lloyd T. Walker, (2013) *Nuts and Seeds in Health and Disease Prevention*, Pages 487-498 Science Publishers
3. **Martha Vergheese and Judith Boateng** (2013), *Nutrigenomics*, Chapter-003: Omics: Biomedical Perspectives and Applications
4. **Martha Vergheese** and Judith Boateng (2013) Flax Seed (*Linum usitatissimum*) Fatty Acids, Science Publishers
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ABSTRACTS AND PRESENTATIONS (PEER REVIEWED/REFERRED)

1. A. Chambers, L. Vaughner, S. Willis and **M. Verghese**. Development of a Functional Protein Fruit-Filled Pastry (Pop-Tart). Presented at 1890 Association of Research Directors Symposium, Undergraduate research Poster Competition, April 2022
2. R. Kaur, **M. Verghese**. Development of functional food product from Mushrooms- Caulshrooms. Presented at 1890 Association of Research Directors Symposium (ARD), Graduate research poster competition, April 2022
3. M. A. Shomope, R. Kaur, S. Willis, M. Odum, J. Herring, L.T. Walker, J. Vizcara and **M. Verghese**. Development of Functional Food product using Hemp and selected Spices with Health Benefit. Presented at 1890 Association of Research Directors Symposium (ARD), Graduate research poster competition, April 2022
4. R. Kaur, **M. Verghese**. Determination of antioxidant potential of mushroom extracts on Human Breast carcinoma cell line). Presented at 1890 Association of Research Directors Symposium (ARD), Graduate research oral competition, April 2022
5. M. Odum, B. Cooper, R. Alhazaimah, M. Shomope, H. Singleton, R. Kaur, **M. Verghese**. Development of a Functional Non-Dairy Dessert. Presented at 1890 Association of Research Directors Symposium (ARD), Graduate research oral competition, April 2022
6. C. Gross, D. Nash, V. Ward, S. Willis, **M. Verghese**. The effects of processing on the antioxidative benefits of persimmon fruit and leaves. Presented at 1890

- Association of Research Directors Symposium (ARD), Graduate research oral competition, April 2022
7. Jabari Hinton, R. Kaur, S. Willis, L. Walker, J. Herring, M. Odum, J. Vizcarra and **M. Verghese**. Use of hemp, alternative proteins, and spices in the development of functional food product. Presented at 1890 Association of Research Directors Symposium (ARD), Graduate research oral competition, April 2022
 8. K. Boyle, S. Willis, L. T. Walker, and **M. Verghese**. Dietary Intake Assessment of African American Adolescents (13-19) with a Family History of Chronic Diseases. Presented at 1890 Association of Research Directors Symposium, Undergraduate research Poster Competition, April 2022
 9. Alton B. Chambers IV, **M. Verghese**, and R. Kaur. Development of a gourmet (decadent) functional single-serve trifle. Presented at 1890 Association of Research Directors Symposium, Undergraduate research Poster Competition, April 2022
 10. M. A. Shomope, R. Kaur, S. Willis, M. Odum, J. Herring, L.T. Walker, J. Vizcara and **M. Verghese**. Development of Functional Food product using Hemp and selected Spices with Health Benefit. Presented at SEIFT 2022 Graduate research competition, April 2022
 11. K. Boyle, S. Willis, L. T. Walker, and **M. Verghese**. Dietary Intake Assessment of African American Adolescents (13-19) with a Family History of Chronic Diseases. Presented at SEIFT, Undergraduate research Competition, April 2022
 12. C. Gross, D. Nash, V. Ward, S. Willis, **M. Verghese**. The effects of processing on the antioxidative benefits of persimmon fruit and leaves. Presented at SEIFT 2022 Graduate research competition, April 2022
 13. J. Hinton, **M. Verghese**, R. Kaur, S. Willis, L. Walker, J. Herring, M. Odum, and J. Vizcarra. Use of hemp, alternative proteins, and spices in the development of functional food product. Presented at SEIFT 2022 Graduate research competition, April 2022

14. Alton B. Chambers IV, **M. Verghese**, and R. Kaur. Development of a gourmet (decadent) functional single-serve trifle. Presented at SEIFT, Undergraduate research Competition, April 2022
15. V. Ward, D. Nash, J. Mack, S. Willis, **M. Verghese**. Effects of Processing on Antioxidant Potential of Hemp Seeds and Their Impact on Carbohydrate and Lipid Metabolizing Enzymes. IFT21, Virtual Conference, July 19th-21st
16. A. Chambers, L. Vaughner, S. Willis and **M. Verghese**. Development of a Functional Protein Fruit-Filled Pastry (Pro-Tart). IFT21, Virtual Conference, July 19th-21st
17. A. Johnson, R. Kaur, S. Hale, R. Kaur, S. Willis and **M. Verghese**. The Determination of Antiproliferative, Anti-inflammatory, and Anti-oxidative Effects of Citrus on a Hormone Sensitive Breast Cancer Model. IFT21, Virtual Conference, July 19th-21st
18. R. Kaur, A. Johnson, S. Willis, J. Boateng, **M. Verghese**. Determination of antioxidant potential of mushroom extracts on MCF-7 (Human Breast carcinoma cell line). IFT21, Virtual Conference, July 19th -21st
19. R. Kaur, **M. Verghese**, A. Johnson, S. Hale, S. Willis, L.T. Walker. Determining the impact of different processing methods on phytochemicals and anti-oxidative properties of four varieties of Mushrooms. IFT21, Virtual Conference, July 19th -21st
20. S. Willis, D. Thompson, C. Jackson, L.T. Walker, **M. Verghese**. Effects of Processing on Antioxidant Potential of Agni Casti Fructus Seeds and Their Impact on Carbohydrate and Lipid Metabolizing Enzymes. IFT21, Virtual Conference, July 19th -21st
21. C. Jackson, S. Willis, L. T. Walker, and **M. Verghese**. Dietary Intake Assessment of African American Adolescents (13-19) with a Family History of Chronic Diseases. IFT21, Virtual Conference, July 19th -21st
22. S. Brown, T. Mosley, **M. Verghese**, S. Willis. Antioxidant Potential of Pea, Hemp and Brown Rice Protein Powders. IFT21, Virtual Conference, July 19th -21st

23. S. Brown, T. Mosley, S. Willis, **M. Verghese**. Selected Health Benefits and Utilization of Pea, Hemp and Brown Rice Protein Powders in Food Product Development. IFT21, Virtual Conference, July 19th -21st
24. D. Nash, V. Ward, S. Willis, F. Hester, **M. Verghese**. Evaluation of Antioxidant Potential of Garlic, Ginger, and Turmeric and Their Impact on Carbohydrate and Lipid Metabolizing Enzymes. IFT21, Virtual Conference, July 19th -21st
25. R. Kaur, S. Willis, **M. Verghese**. Development of Meat Alternative Product Utilizing Mushrooms IFT20 Virtual Conference, July 12-15.
26. S. Hale, R. Kaur, A. Johnson, S. Willis, **M. Verghese**. The antioxidant potential of flaxseed extract. Accepted to present at IFT20 Virtual Conference, July 12-15.
27. S. Hale, S. Willis, J. Boateng, **M. Verghese**. Chemo-preventive Effects of Flaxseed on MCF-7 cells. IFT20 Virtual Conference, July 12-15.
28. A. Johnson, R. Kaur, S. Willis, **M. Verghese**. Determination of Antioxidant Activity of Selected Citrus Fruits and Their Peels. IFT20 Virtual Conference, July 12-15.
29. J. Thomas, S. Willis, J. Thomas, **M. Verghese**. Health Benefits and Food Application of Black and White Chia Seeds and Impact of Processing and Variety on Antioxidant Potential and Metabolizing Enzyme Inhibition. IFT20 Virtual Conference, July 12-15.
30. J. Thomas, S. Willis, K. Golden, M. Odum, A. Gomaa, S. Sidhu, J. Herring, **M. Verghese**. Development of Multi- Layered functional food product Utilizing Chia Seeds. IFT20 Virtual Conference, July 12-15.
31. K. Golden, S. Willis, **M. Verghese**. Antioxidant Content and Capacity of Various Cherry Parts (Fruit, Pit, and Stem). IFT20 Virtual Conference, July 12-15.
32. K. Golden, S. Willis, **M. Verghese**. Utilization of Various Cherry Parts in Product Development. IFT20 Virtual Conference, July 12-15.
33. D. Nash, S. Willis, F. Hester, **M. Verghese**. Antioxidant Potential and Metabolizing Enzyme Inhibition by Spice-infused Granola: 'Spiceola Bites'. IFT20 Virtual Conference, July 12-15.

34. V. Ward, S. Willis, **M. Verghese**. Hemp Seed: Antioxidant Potential and Metabolizing Enzyme Inhibition. IFT20 Virtual Conference, July 12-15.
35. N. Chimbete, J. Vizcarra, S. Willis, L.T. Walker, **M. Verghese**. The Anti-Obesity and Anti- Diabetic Effect of Hibiscus Sabdariffa in Combination with Probiotics in Sprague Dawley Rats. IFT20 Virtual Conference, July 12-15.
36. S. Willis, **M. Verghese**. Antioxidant Potential and Enzyme Inhibition of Muscadine Skins and Seeds. IFT20 Virtual Conference, July 12-15.
37. S. Willis, **M. Verghese**. Anti-Obesity Potential of Select Spices (Garlic, Turmeric and Ginger) in an In-Vitro Cell Model. IFT20 Virtual Conference, July 12-15.
38. A. Taylor, N. Chimbete, S. Willis, R. Kaur, M. Moore, R. Sunkara, **M. Verghese**. Antioxidant Potential of a Combination of Spices (Cinnamon, Cardamom, Clove, Turmeric) and Determination of Select Phytochemicals Present. Scientific research paper presented at IFT19 in New Orleans, LA, June 2-5.
39. A. Goma, J. Herring, **M. Verghese**. In-Vitro Utilization of Commercial Probiotic Strains against Anti-microbial Resistant Salmonella heidelberg. Scientific research paper presented at IFT19 in New Orleans, LA, June 2-5.
40. S. Willis and **M. Verghese**. Antioxidant Potential and Enzyme Inhibition of White and Blue Poppy Seeds. Scientific research paper presented at IFT19 in New Orleans, LA, June 2-5.
41. A. Goma, J. Herring, **M. Verghese**. Inhibition of Antimicrobial Resistant Salmonella heidelberg by a Synbiotic Combination of Prebiotics and Probiotics in an In-vitro Model. Scientific research paper presented at IFT19 in New Orleans, LA, June 2-5.
42. S. Sidhu, N. Chimbete, R. Kaur, S. Willis, S.R. Mentreddy, **M. Verghese**. Antioxidative Potential of Sorrel Leaves. Scientific research paper presented at IFT19 in New Orleans, LA, June 2-5.
43. J. Thomas, A. Barley, **M. Verghese**, J. Boateng. Comparative Evaluation of Solvent Extraction Effects on Glycoalkaloids, Phytochemical Content and

- Antioxidant Activity in Five Novelty Potato Varieties. Scientific research paper presented at IFT19 in New Orleans, LA, June 2-5.
44. N. Chimbetete, S. Willis, L.T. Walker, **M. Verghese**. Phytochemical Content, Antioxidative Potential and Enzyme Inhibition of Fresh vs. Dried Hibiscus sabdariffa Calyx. Scientific research paper presented at IFT19 in New Orleans, LA, June 2-5.
 45. N. Chimbetete, S. Hinton, S. Ogutu, **M. Verghese**. Development of Probiotic Hibiscus Yogurt "Sarivia". Scientific research paper presented at IFT19 in New Orleans, LA, June 2-5.
 46. R. Hardin, A. Ananga, S. Willis, N. Chimbetete, J. Alexander, L. Shackelford, **M. Verghese**, J. Boateng. Inhibitory Effect of Muscadine Grape Skins on Azoxymethane-induced Biochemical Changes and Aberrant Crypt Foci Formation in Rat Colon. Scientific research paper presented at IFT19 in New Orleans, LA, June 2-5.
 47. A. Taylor, S. Hale, **M. Verghese**. Antioxidant Potential of a combination of spices (Cinnamon, Cardamom, Clove, Turmeric). Scientific research paper presented at IFT18 in Chicago, IL, July 15-18.
 48. S. Willis, A. Johnson, C. Jackson, K. Timmons, **M. Verghese**. Effects of Processing on Antioxidant Potential of Tiger Nut. Scientific research paper presented at IFT18 in Chicago, IL, July 15-18.
 49. R. Kaur, S. Willis, R. Sunkara, J. Boateng, **M. Verghese**. Determination of Antioxidant Potential of Aloe vera Extracts on HIT-T15 Cell Line. Scientific research paper presented at IFT18 in Chicago, IL, July 15-18.
 50. L. Grant, P. Patel, S. Willis, R. Sunkara, L. Shackelford, L. Walker, **M. Verghese**. Evaluation of Antioxidant Potential of Pomegranates and development of Pome-Biscotti. Submitted to present at IFT17 in Las Vegas, NV, June 25 - 28, 2017.
 51. F. Hester, S. Willis, R. Sunkara, L. Shackelford, L. Walker, **M. Verghese**. Anti-diabetic Potential of Thermally Treated Garlic, Turmeric, and Ginger in Pre-Diabetic Male Wistar Rat Model. Submitted to present at IFT17 in Las Vegas, NV, June 25 - 28, 2017.

52. L. Smith, E. Onwasigwe, M. Reid, C. Holden, S. Willis, R. Sunkara, L. Shackelford, L. Walker, **M. Verghese**. Chemopreventive Effects of Long-Term Consumption of Dried Unsweetened Coconut Flakes Against Azoxymethane-Induced Colon Cancer In Fisher 344 Male Rats. Submitted to present at IFT17 in Las Vegas, NV, June 25 - 28, 2017.
53. E. Tigner, S. Willis, R. Sunkara, L. Shackelford, L. Walker, **M. Verghese**. Phytochemical Content and Development of Gluten Free Products Using Alternative Flours. Submitted to present at IFT17 in Las Vegas, NV, June 25 - 28, 2017.
54. S. Willis, F. Hester, R. Sunkara, L. Shackelford, L. Walker, **M. Verghese**. Chemopreventive and Anti-Inflammatory Potential of Select Herbal Teas and Spices in an In-Vitro Cell Model. Submitted to present at IFT17 in Las Vegas, NV, June 25 - 28, 2017.
55. C. Holden, P. Patel, L. Smith, S. Willis, R. Sunkara, L. Shackelford, L. Walker, **M. Verghese**. Analysis of smoothie & gummy formulations developed to combat poor food intake by adolescents. Submitted to present at IFT17 in Las Vegas, NV, June 25 - 28, 2017.
56. A. Taylor, R. Sunkara, L. Shackelford, L. Walker, **M. Verghese**. Antioxidant Potential of Combination of Selected Spices (Cardamom, Cloves, Turmeric, and Cinnamon). Submitted to present at IFT17 in Las Vegas, NV, June 25 - 28, 2017.
57. C. Blasingame, S. Willis, R. Sunkara, L. Shackelford, L. Walker, **M. Verghese**. Utilization of Black Beans in Functional Food Product Development. Submitted to present at IFT17 in Las Vegas, NV, June 25 - 28, 2017.
58. C. Blasingame, S. Willis, R. Sunkara, L. Shackelford, L. Walker, **M. Verghese**. Impact of Processing on Antioxidant Potential of Black Beans. Submitted to present at IFT17 in Las Vegas, NV, June 25 - 28, 2017.
59. E. Onwasigwe, M. Reid, C. Holden, L. Smith, R. Sunkara, L. Walker, **M. Verghese**. Chemopreventive Potential of Allspice in Azoxymethane (AOM) Treated Fisher 344 Male Rats. Submitted to present at IFT17 in Las Vegas, NV, June 25 - 28, 2017.
60. E. Onwasigwe, C. Holden, R. Sunkara, L. Walker, **M. Verghese**. Antioxidant Potential of Allspice. Submitted to present at IFT17 in Las Vegas, NV, June 25 - 28, 2017.
61. R. Kaur, R. Sunkara, L. Walker, **M. Verghese**. Determination of anti-diabetic and antioxidant potential of Aloe vera. Submitted to present at IFT17 in Las Vegas, NV, June 25 - 28, 2017.

62. C. Holden, J. Patterson, L. T. Walker, **M. Verghese**. An Investigation of Food Intake Patterns of Adolescents ages 13 to 19 in Madison County, Alabama. ARD 2017 in Atlanta, April 1-4, 2017.
63. C. Blasingame, S. Willis, L. Shackelford, L.T. Walker, **M. Verghese**. Impact of Processing on Antioxidant Potential of Black Beans. ARD 2017 in Atlanta, April 1-4, 2017.
64. N. Chimbete, R. Sunkara, L.T. Walker, **M. Verghese**, S. Ogutu, L. Shackelford, J. Herring. The Development of Triple-C Savory Snack Bar. ARD 2017 in Atlanta, April 1-4, 2017.
65. E. Onwasigwe, C. Holden, R. Sunkara, L. Walker, **M. Verghese**. Antioxidant Potential of Allspice. ARD 2017 in Atlanta, April 1-4, 2017.
66. L. Smith, R. Sunkara, L. Shackelford, L.T. Walker, **M. Verghese**. Chemopreventive Potential of Dried Unsweetened Coconut Flakes Against Azoxymethane-Induced Colon Cancer In Fisher 344 Male Rats. ARD 2017 in Atlanta, April 1-4, 2017.
67. S. Willis, R. Sunkara, Z. Willis, L. Smith, F. Hester, H. Reid, P. Patel, M. McCollum, L. Shackelford, E. Onwasigwe, L. Walker, **M. Verghese**. Chemopreventive potential of select herbal teas and spices on Azoxymethane-induced Aberrant Crypt Foci in Fisher 344 male rats. ARD 2017 in Atlanta, April 1-4, 2017.
68. C. Holden, P. Patel, L. Shackelford, S. Ogutu, L. T. Walker, **M. Verghese**. The analysis of smoothie and 2 gummy formulations developed to combat the poor food intake habits of fruits, vegetables and milk by adolescents. AAMU STEM day, April 20, 2017.
69. Z. Willis, C. Blasingame, L. Shackelford, **M. Verghese**. Evaluating Shelf Stability of a Functional Black Bean Brownie. STEM day, April 20, 2017.
70. C. Blasingame, S. Willis, L. Shackelford, L.T. Walker, **M. Verghese**. Impact of Processing on Antioxidant Potential of Black Beans. AAMU STEM day, April 20, 2017.
71. R. Kaur, **M. Verghese**, R. Sunkara, L. Shackelford, L.T. Walker. Determination of anti-diabetic and anti-oxidative properties of Aloe vera. AAMU STEM day, April 20, 2017.
72. L. Ali, R. Kaur, **M. Verghese**, R. Sunkara, L. Shackelford, L.T. Walker. Development of a product (Aloe Jello) using Aloe vera juice. AAMU STEM day, April 20, 2017.
73. N. Chimbete, R. Sunkara, L.T. Walker, **M. Verghese**, S. Ogutu, L. Shackelford, J. Herring, J. Vizcarra. The Development of Sweet-potato and Beetroot Flatbread. AAMU STEM day, April 20, 2017.

74. M. Yang, **M. Verghese**, J. Herring. Effect of Thermal Processing on Nutritional and Quality Parameters of Grape Juice. AAMU STEM day, April 20, 2017.
75. M. Henry, M. Yang, S. Willis, L. Shackelford, **M. Verghese**. Reduction of Added Sugar in a Spice-Infused Ginger Snack. AAMU STEM day, April 20, 2017.
76. A. Taylor, R. Sunkara, L. Shackelford, L. Walker, **M. Verghese**. Antioxidant Potential of Combination of Selected Spices (Cardamom, Cloves, Turmeric, and Cinnamon). Submitted to present at AAMU STEM day, April 20, 2017.
77. L. Smith, L. Shackelford, L.T. Walker, **M. Verghese**. Development of Functional Food Product Using Coconut Flour and Sunflower Seeds. AAMU STEM day, April 20, 2017.
78. D. Nash, L. Smith, S. Willis, L.T. Walker, **M. Verghese**. Phytochemical Content and Antioxidant Potential of Starfruit. AAMU STEM day, April 20, 2017.
79. L. Grant, P. Patel, S. Willis, L. Shackelford, L.T. Walker, **M. Verghese**. Development and Evaluation of Antioxidant potential of biscotti infused with freeze dried pomegranate. AAMU STEM day, April 20, 2017.
80. A. Baldwin, N. Chimbetete, S. Willis, L. Shackelford, **M. Verghese**. Development of Herbal Tea-Infused Breakfast Cookie Product. AAMU STEM day, April 20, 2017.
81. J. Finch, E. Onwasigwe, S. Willis, M. Henry, **M. Verghese**. Development of an Allspice and Herbal Tea-Infused Candy Product. AAMU STEM day, April 20, 2017.
82. E. Onwasigwe, M. Reid, C. Holden, L. Smith, R. Sunkara, L. Walker, **M. Verghese**. Chemopreventive Potential of Allspice in Azoxymethane (AOM) Treated Fisher 344 Male Rats. AAMU STEM day, April 20, 2017
83. E. Tigner, S. Willis, R. Sunkara, L. Shackelford, L. Walker, **M. Verghese**. Phytochemical Content and Development of Gluten Free Products Using Alternative Flours. AAMU STEM day, April 20, 2017.
84. S. Boykin, E. Tigner, S. Willis, R. Sunkara, **M. Verghese**, L. Walker, Phytochemical Content and Antioxidant Potential of Persimmon Fruit and Leaf. AAMU STEM day, April 20, 2017.
85. Hadyn M. Reid, Boedvar Boedvarsson, **Martha Verghese**, Simon Ogutu, Louis Shackelford, Lloyd Walker Sensory Evaluation and Descriptive Analysis of Quinoa Pizza Crust, Session E28 ePoster Session: Sensory Evaluation of Foods Poster presentation. 2016 IFT Annual Meeting, Technical abstract, Chicago, IL
86. Priyanka Patel, Master of Science in Food Science, Rajitha Sunkara,, Louis Shackelford, Lloyd Walker, **Martha Verghese** Effect of Drying Techniques on Antioxidant Capacity of Guava Fruit Poster presentation. 2016 IFT Annual Meeting, Technical abstract, Chicago, IL
87. Meijah M. McCollum, Shantrell Willis, Louis Shackelford, Lloyd Walker, **Martha Verghese** Effects of Processing on Phytochemicals and Antioxidant Potential of Fenugreek Leaves and Seeds. Poster presentation. 2016 IFT

Annual Meeting, Technical abstract, Chicago, IL

88. Lillian Smith, **M. Verghese**, Lloyd Walker, Louis Shackelford Development of a Functional Food Product Using Coconut Flour and Sunflower Seeds. Poster presentation. 2016 IFT Annual Meeting, Technical abstract, Chicago, IL
89. Amare B. Lemma, Lloyd Walker, Simon Ogutu, **M. Verghese** Phenolic Composition and Antioxidant Activities of Teff (*Eragrostis Tef*) Flour and Bread Poster presentation. 2016 IFT Annual Meeting, Technical abstract, Chicago, IL
90. Moonsun Yang, Recretia Hardin, **M.Verghese**, Judith Boateng (087) Effect of Simulated In Vitro Digestion on Polyphenolic Contents and Antioxidant Activity in Basil and Ginger Poster presentation. 2016 IFT Annual Meeting, Technical abstract, Chicago, IL
91. Lillian Smith, Rajitha Sunkara, Hadyn M. Reid, Shantrell Willis, Ebube Onwasigwe, Priyanka Patel, Carlissa Holden, Fredreana Hester, Meijah McCollum, Louis Shackelford, Lloyd Walker, **M. Verghese** (089) Chemopreventive Potential of Dried Unsweetened Coconut Flakes Against Azoxymethane-Induced Colonic Aberrant Crypt Foci (ACF) in Fisher 344 Male Rats Poster presentation. 2016 IFT Annual Meeting, Technical abstract, Chicago, IL
92. Shantrell Willis, Meijah McCollum, Kabreshia Cheatom, Zaquavis F. Willis, Kevon J. Seay, Rajitha Sunkara, Lloyd Walker, **M.Verghese** A Comparison of Selected Phytochemical and Antioxidant Potential of Two Tea Beverages, Poster presentation. 2016 IFT Annual Meeting, Technical abstract, Chicago, IL
93. Priyanka Patel , Rajitha Sunkara, Joshua Herring, Louis Shackelford, Kayla Ellis, Lloyd Walker, **M. Verghese** Development of Guava Cheese, Poster presentation. 2016 IFT Annual Meeting, Technical abstract, Chicago, IL
94. Swetha Salla , Rajitha Sunkara, Lloyd Walker, **M.Verghese** Antioxidant Activity of Papaya Peel Extracts Against H₂O₂ Induced Oxidative Stress in HepG2 Cells, Poster presentation. 2016 IFT Annual Meeting, Technical abstract, Chicago, IL
95. Shantrell Willis, Rajitha Sunkara, Lillian Smith, Fredreana Hester, Hadyn M. Reid, Priyanka Patel, Meijah McCollum, Ebube Onwasigwe, Louis Shackelford, Lloyd Walker, **M. Verghese** Chemopreventive Potential of Select Herbal Teas and Spices on Azoxymethane-Induced Aberrant Crypt Foci in Fisher 344 Male Rats Poster presentation. 2016 IFT Annual Meeting, Technical abstract, Chicago, IL
96. Hadyn M. Reid, Shantrell Willis, Lillian Smith, Ebube Onwasigwe,

- M. Verghese**, Louis Shackelford, Lloyd Walker Determination of the Chemopreventive Effects of Quinoa in Azoxymethane-Induced Aberrant Crypt Foci, Poster presentation. 2016 IFT Annual Meeting, Technical abstract, Chicago, IL
97. Carlissa Holden, Jennifer L. Patterson, Ph.D., **M. Verghese**, Lloyd Walker An Investigation of Food Intake Patterns of Adolescents Ages 13 to 19 in Madison County, Alabama, Poster presentation. 2016 IFT Annual Meeting, Technical abstract, Chicago, IL
98. Rajitha Sunkara, L. T. Walker and **M. Verghese**, Cloves ameliorates Palmitic acid induced Non-alcoholic fatty liver disease and induces cellular antioxidants in HepG2 human liver cells, Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
99. Collin Wolhar, J. Herring and **M. Verghese**, Development of Glute-Os:Bite Size Gluten-free Snack . 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
100. S. Willis, F. Hester, L. T. Walker and **M. Verghese**, Antioxidative Potential of Select Herbal Teas and Spices and Development of a Yogurt-Based Tea-Infused Beverage. Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
101. F. Hester, S. Willis, L. T. Walker L. Shackelford and **M. Verghese**, Development of a Spice Infused (Garlic, Turmeric, and Ginger) Granola Snack. Peer reviewed Abstract submitted to 2015 IFT Annual Meeting, Technical abstract, Chicago, IL. Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
102. A. Jackson, J. Patterson, L. Shackelford, L. T. Walker and **M. Verghese**, Development of a Gluten-Free & Sugar-Free Lemon Basil Muffin. Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
103. L. Smith, J. Patterson, L.T. Walker and **M. Verghese** Chemopreventive Potential of Sunflower Seeds in Human Colon Cancer Cell Lines. Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
104. L. Smith, J. Patterson, L.T. Walker and **M. Verghese**, Chemopreventive Potential of Coconut Flour in Human Colon Cancer Cell Lines. Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
105. A. Dudley, J. Patterson, L. Shackelford, L. T. Walker and **M. Verghese** Development of Gluten-Free Hot Dog Buns using a Soy and White Rice Flour Composite. Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
106. Swetha Salla, P. Patel, R. Sunkara, L. Shackelford, L.T. Walker and **M.**

- Vergheese**, Polyphenols and Antioxidant Capacity of Muffins Incorporated with Papaya Powder. Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
107. S. Salla, R. Sunkara, L. T. Walker and **M. Vergheese** Antioxidant Activity of Papaya Seed Extracts Against H₂O₂ Induced Oxidative Stress in HepG2 Cells. Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
 108. S.Salla, R. Sunkara, , L. T. Walker L. Shackelford and **M. Vergheese** Papaya Seed Extract Inhibits COX2 and Induce Apoptosis in HepG2 Cells. Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
 109. J. Patterson, L. T. Walker and **M. Vergheese** Antimicrobial Potential of Neem Leaf Against Food-Borne Pathogens. Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
 110. E. Mutai, R. Sunkara, L. T. Walker and **M. Vergheese** Anti-obesity Effect of Sorrel calyx Extracts on 3T3-L1 Adipocyte Cells. Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
 111. N. Chimbete, R. Sunkara, L. Shackelford, L. T. Walker and **M. Vergheese** Development of TRIPLE-C Spicy Savory Snack Bar . Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
 112. Ashly Kelly, J. Boateng & **M. Vergheese**. In vitro toxicity and Modulation of Endogenous Antioxidant Defense Enzyme Activity and by Bitter Melon Extracts in Hep G2 Cells. Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
 113. Wendell Ward, L. Kassama, and **M. Vergheese**. The impact of Ultrasonic pasteurization of Durian (*Durio zibethinus* L.) pulp on the quality, safety, physicochemical, and phytochemical properties". Poster presentation. 2015 IFT Annual Meeting, Technical abstract, Chicago, IL
 114. Willis, S., J. Boateng, L. Shackelford, L.T. Walker, K. Busambwa, **M. Vergheese**. Effects of sub-acute consumptions of herbal teas on bone mineralization. Poster presentation. 2014 IFT Annual Meeting, Technical abstract, New Orleans, LA
 115. Salla, S., R. Sunkara, L.T. Walker, L. Shackelford, S. Ogutu, **M. Vergheese**. Free radical scavenging ability of Carica payaya L. seed extracts. Poster presentation. 2014 IFT Annual Meeting, Technical abstract , New Orleans, LA
 116. Salla, S., R. Sunkara, L.T. Walker, L. Shackelford, S. Ogutu, **M. Vergheese**. Antioxidant potential of fermented papaya products. Poster presentation. 2014 IFT Annual Meeting, Technical abstract, New Orleans, LA

117. Busambwa, K., L. Shackelford, R. Sunkara, J. Boateng, R. Offei-Oknye, L.T. Walker, **M. Verghese**. Clastogenic effect of lentil, green, and yellow split-peas (spouted and non-spouted) on human epithelial colorectal adenocarcinoma cells. Poster presentation. 2014 IFT Annual Meeting, Technical abstract, New Orleans, LA
118. Busambwa, K., L. Shackelford, J. Boateng, S. Ogutu, R. Hardin, E. Tigner, L. T. Walker, **M. Verghese**. Development of a functional food using spouted lentil flour. Poster presentation. 2014 IFT Annual Meeting, Technical abstract New Orleans, LA
119. Chimbetete, N., R. Sunkara, L. T. Walker, L. Shackelford, **M. Verghese**. Antioxidant potential and phytochemical content of selected spices (cinnamon, cardamom and cloves). Poster presentation. 2014 IFT Annual Meeting, Technical abstract, New Orleans, LA
120. Dalrymple, L., J. Boateng, L.T. Walker, **M. Verghese**. In vitro toxicity of cocoa and coffee extracts in liver and colon cancer cell lines Hep2G and HT-29. Poster presentation. 2014 IFT Annual Meeting, Technical abstract, New Orleans, LA
121. Reid, H.M., J. Patterson, R. Sunkara, L. Shackelford, L.T. Walker, **M. Verghese**. Antioxidant potential of processed quinoa. Poster presentation. 2014 IFT Annual Meeting, Technical abstract , New Orleans, LA
122. Mutai, E., R. Sunkara, L.T. Walker, L. Shackelford, **M. Verghese**. Anti-obesity effect of sorrel calyx extracts on 3T3-L1 adipocyte cells. Poster presentation. 2014 IFT Annual Meeting, Technical abstract New Orleans, LA
123. Christian, M., R. Sunkara, L.T. Walker, S. Ogutu, L. Shackelford, **M. Verghese**. Effects of drying techniques on physical attributes and physiochemical content of cranberries. Poster presentation. 2014 IFT Annual Meeting, Technical abstract, New Orleans, LA
124. Dudley, A., J. Patterson, L. Shackelford, S. Ogutu, J. Thomas, L.T. Walker, **M. Verghese**. Development of gluten-free hot dog buns using composite alternative flours. Poster presentation. 2014 IFT Annual Meeting, Technical abstract, New Orleans, LA
125. Hester, F., R. Sunkara, L. Shackelford, L.T. Walker, **M. Verghese**. Modulatory potential of garlic extracts against enzymes linked to diabetes, inflammation, and oxidation. Poster presentation. 2014 IFT Annual Meeting, Technical abstract, New Orleans, LA
126. Thomas, J. A. Dudley, J. Patterson, L. Shackelford, **M. Verghese**. Antioxidant characteristics of alternative flours for the development of a gluten-free hotdog bun. Poster presentation. 2014 IFT Annual Meeting, Technical abstract, New Orleans, LA
127. Smith, L., J. Patterson, S. Ogutu, L. Shackelford., L.T. Walker, **M. Verghese**. Chemopreventive potential of coconut flour in human colon cancer Caco-2 cell lines: in vitro study. Poster presentation. 2014 IFT Annual Meeting, Technical abstract, New Orleans, LA
128. Smith, L., J. Patterson, S. Ogutu, L. Shackelford., L.T. Walker, **M.**

- Verghese.** Chemopreventive potential of sunflower seeds in human colon cancer Caco-2 cell lines: in vitro study. Poster presentation. 2014 IFT Annual Meeting, Technical abstract, New Orleans, LA
129. Offei-Okyne, R., J. Patterson, L.T.Walker, J. Boateng, L. Shackelford, S. Ogutu, **M. Verghese.** Anticarcinogenic effects of ginger on colon cancer cell line: possible mechanisms of action. Poster presentation. 2014 IFT Annual Meeting, Technical abstract , New Orleans, LA
 130. Offei-Okyne, R., J. Patterson, L.T.Walker, J. Boateng, L. Shackelford, S. Ogutu, **M. Verghese.** Ginger induces apoptosis in human liver carcinoma cell line Hep2G. Poster presentation. 2014 IFT Annual Meeting, Technical abstract , New Orleans, LA
 131. Montgomery, N., J. Boateng, L.T. Walker, **M. Verghese.** Storage effects on fermentation activity, quality attributes and antioxidant. Poster presentation. 2014 IFT Annual Meeting, Technical abstract submission, New Orleans, LA
 132. Bright, B., **M. Verghese,** S. Ogutu, L. Shackelford, L.T. Walker. Processing effects on phytochemical content and antioxidant activity of garbanzo beans. Poster presentation. 2014 IFT Annual Meeting, Technical abstract, New Orleans, LA
 133. Jerry Collins, Ernst Cebert, Elizabeth Heitman, Lamin Kassama, **Martha Verghese,** Role Playing in HPL-Based Examinations of Challenges in Bioengineering and Food Science, BMES Annual Meeting in Seattle 2013
 134. S. Willis, B. Bright, L. Dalrymple, K., S. Ruffin, L. Shackelford, L., R.L. Miller-Cebert, K. Busambwa, J. Allen, L.T. Walker and **M. Verghese.** 2013. Chemopreventative potential of Malted Barley in an Azoxymethane-induced Rat Model. Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
 135. S. Willis, J. Boateng, K. Busambwa, L. Shackelford, L.T. Walker and **M. Verghese.** 2013. Evaluation of possible toxicological effects of gunpowder green, bitter melon, and blueberry leaf teas in Fisher 344 male rats. Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
 136. S. Willis, J. Boateng, L.T. Walker and **M. Verghese.** 2013. Antioxidant Potential of Gunpowder Green, Blueberry leaf, and Bitter Melon Teas. Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
 137. Janika Hull, J. Boateng, J. Thomas, L. Shackelford, J. Thomas, K. Busambwa, R.M. Cebert, J. Allen, L. Dalrymple, L.T Walker, **M. Verghese.** 2013. Development of Functional Blue Corn Snack Products. Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
 138. Janika Hull, J. Boateng, J. Thomas, L. Shackelford, J. Thomas, K. Busambwa, R.M. Cebert, J. Allen, L. Dalrymple, L.T Walker, **M. Verghese.** 2013. Chemopreventive Potential of Blue Corn in Azoxymethane Induced

- Colon Tumors in Fisher 344 Male Rats. Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
139. Dalrymple, L, J. Boateng , R.L. Miller-Cerbert, L.T. Walker, L. Shackelford, and **M. Vergheese**. 2013. Chemopreventive effects of Cocoa and Coffee on antioxidant enzymes in Fisher 344 Male Rats. Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
 140. Dalrymple, L, J. Boateng, K. Busambwa, L.T. Walker, L. Shackelford, and **M. Vergheese**. 2013. Toxicological effects of cocoa and coffee extracts in human colon cell lines. Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
 141. J. Patterson, **M. Vergheese**, J. Boateng, L. Walker. 2013. Anticancer and toxic effects of curry leaf (*Murraya koenigii*) extracts. Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
 142. A. Kelly, J. Patterson, L. Shackelford, and **M. Vergheese**. 2013. Antimicrobial effects of bitter melon (*Momordica charantia*). Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
 143. K. Busambwa, , L. Dalrymple, J. Allen, J. Boateng, L. Shackelford, R.L. Miller-Cerbert, L. Walker, and **M. Vergheese**. 2013. Lentils, Green and Yellow Split-peas (Sprouted and Non-sprouted) on Azoxymethane-induced Colon Carcinogenesis. Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
 144. E. Mutai, R. Sunkara, L. Walker, and **M. Vergheese**. 2013. Pancreatic Lipase inhibition and antioxidative potential of dried sorrel calyx extracts Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
 145. R. Offei-Okyne, J. Patterson, L. Shackelford, L. Walker, and **M. Vergheese**. 2013. Chemopreventive potential of Ginger (sundried, oven dried, fresh and freeze dried) on Cancer cell models HepG2 and Caco2. Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
 146. F. Hester, R. Sunkara, L. Walker, and **M. Vergheese**. 2013. Anti-Diabetic and Antioxidative Potential of Garlic Using Pancreatic and HepG2 Cell Lines. Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
 147. F. Hester, R. Sunkara, L. Walker, and **M. Vergheese**. 2013. In-Vitro Anti-Diabetic and Antioxidative Potential of Turmeric. Technical Research Abstract submitted for IFT 2013 Annual Meeting and Food Expo, July 13-16, Chicago, IL.
 148. Jennifer Patterson, L. T. Walker, J. Boateng and **M. Vergheese**, Cytotoxic Effects of Multiple N-nitrosamines in Human Liver Cell Line

- Hep2G: possible mechanisms of action; 2012 IFT Annual Meeting, June 25 - 28, Las Vegas NV
149. Jennifer Allen, Judith Boateng, Louis Shackelford, Lloyd Walker, Kasang Busambwa, Jelisa Thomas, **Martha Verghese**. Chemopreventative Potential of Soy Flour, Flaxseed Meal, and a Probiotic in a Rat Model. 2012 IFT Annual Meeting, June 25 - 28, Las Vegas NV
 150. Lisa Dalrymple, Judith Boateng, Louis Shackelford, Jelisa Thomas, Jennifer Allen, Janika N Hull, Lloyd Walker, **Martha Verghese**. Chemopreventive Potential of Cocoa and Coffee in Azoxymethane-Induced Fisher 344 Male Rats. 2012 IFT Annual Meeting, June 25 - 28, Las Vegas NV
 151. Janika N Hull, Judith Boateng, Jelisa Thomas, Louis Shackelford, Kasang Busambwa, Rhona L Miller-Cebert, Lisa Dalrymple, Lloyd Walker, **Martha Verghese**, Chemopreventive Potential of Blue Corn. 2012 IFT Annual Meeting, June 25 - 28, Las Vegas NV
 152. Rhona L Miller-Cebert, Judith Boateng, Louis Shackelford, Lisa Dalrymple, Kasang Busambwa, Ernst Cebert, Lloyd Walker, **Martha Verghese** Comparative Effects of Cruciferous Vegetables on Azoxymethane (AOM)-Induced Colon Cancer in Fisher 344 Male Rats. 2012 IFT Annual Meeting, June 25 - 28, Las Vegas NV
 153. Kasang Busambwa, Rhona L Miller-Cebert, Linda Aboagye, Lisa Dalrymple, Judith Boateng, Louis Shackelford, Lloyd Walker, **Martha Verghese**. Feeding Green and Yellow Peas (Sprouted and Non-Sprouted) Reduces Azoxymethane-Induced Aberrant Crypt Foci Formation in Fisher 344 Male Rats. 2012 IFT Annual Meeting, June 25 - 28, Las Vegas NV
 154. Vijaya Bhaskar Poreddy, Lloyd Walker, **Martha Verghese**, Ogutu Simon, Effect of Fermentation Parameters on Phenolics and Flavonoid Content and Antioxidant Capacity in Cranberry Wine, 2012 IFT Annual Meeting, June 25 - 28, Las Vegas NV
 155. Sridhar Chowdrapally, Lloyd Walker, **Martha Verghese**, Ogutu Simon, Effects of Freezing and Drying Techniques on Stability of Phytochemicals and Antioxidant Capacity in Carrots, 2012 IFT Annual Meeting, June 25 - 28, Las Vegas NV
 156. Jelisa Thomas, Judith Boateng, Janika N Hull, Louis Shackelford, Kasang Busambwa, Lloyd Walker, **Martha Verghese** Chemopreventive Potential of Amaranth Using an Azoxymethane Induced Rat Model, 2012 IFT Annual Meeting, June 25 - 28, Las Vegas NV
 157. Jennifer Patterson , **Martha Verghese**, Simon Ogutu, Lloyd T. Walker, Analysis of volatile N-nitrosamines in red swamp crayfish, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 158. Latonya Dukes , **Martha Verghese**, Judith Boateng, Lloyd T. Walker, Chemopreventive effects of selected herbs and spices in a colon cancer cell model, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 159. Louis A. Shackelford , **Martha Verghese**, Belinda Kanda, David K.

- Asiamah, Judith Boateng, Rhona Miller-Cebert, Lloyd T. Walker, Chemopreventive potential of garlic and onion on incidence of preneoplastic lesions in Fisher 344 male rats, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
160. Henock Tegete , **Martha Verghese**, Judith Boateng, Louis A. Shackelford, Belinda Kanda, David K. Asiamah, Lloyd T. Walker, Nedra Montgomery, Changes in selected phytochemicals after thermal and non-thermal processing of mangos, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 161. Hadyn Reid , **Martha Verghese**, Judith Boateng, Louis A. Shackelford, Chemopreventative potential of walnuts and peanuts on azoxymethane-induced preneoplastic lesions in Fisher-344 male rats, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 162. Vijayabhaskar Poreddy , Lloyd T. Walker, Yvonne C. Chukwumah, **Martha Verghese**, Simon Ogutu, Santosh K. Chintapandu, Sridhar Chowdrapally, Phenolic compounds and antioxidant activity of wine from cranberries, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 163. Santosh Chintapandu , Lloyd T. Walker, **Martha Verghese**, Yvonne C. Chukwumah, Simon Ogutu, Vijaya Bhaskar R. Poreddy. Effects of postharvest processing on individual phytochemicals, antioxidant activities, total phenolic, flavonoid, and anthocyanin content in cranberries (*Vaccinium macrocarpon*), 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 164. Belinda Kanda , **Martha Verghese**, Judith Boateng, Louis A. Shackelford, Stephen Appiah, Processing effects on phytochemical content and bioavailability of carrots using a rat model, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 165. Lauren Mounts , Martha Verghese, Louis A. Shackelford, Judith Boateng, Janika Hull, Jelisa Thomas, Lloyd T. Walker, Simon Ogutu, Effect of dietary supplementation of flaxseed meal, soy meal, and a probiotic in obese Zucker rats, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 166. Kristen Campbell , **Martha Verghese**, Judith Boateng, Louis A. Shackelford, Janika Hull, Jelisa Thomas, Belinda Kanda, Lloyd T. Walker, Consumption of dietary fiber in a high saturated fat-based diet may have implications in reducing preneoplastic lesions, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 167. Stephen Appiah , **Martha Verghese**, Judith Boateng, Louis A. Shackelford, Belinda Kanda, Lloyd T. Walker Impact of selected processing methods on phytochemical content, antioxidant activity, and chemopreventive potential of beets (*Beta vulgaris*), 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 168. Induction of phase II antioxidant enzymes may be associated with

- reduced precancerous colon cancer lesions in rats fed pistachios Induction of phase II antioxidant enzymes may be associated with reduced precancerous colon cancer lesions in rats fed pistachios, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
169. Rhona Miller-Cebert , **Martha Verghese**, Judith Boateng, Louis A. Shackelford Impact of selected cruciferous vegetables on the incidence of precancerous colon lesions in an animal model: Effect on antioxidant enzymes, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 170. Sridhar Chowdrapally , Lloyd T. Walker, Yvonne C. Chukwumah, **Martha Verghese**, Simon Ogutu, Vijaya Bhaskar R. Poreddy, Effect of freezing and drying techniques on stability of carrot and spinach polyphenols, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 171. Sharat C. Jonnalagadda , Lloyd T. Walker, Yvonne C. Chukwumah, **Martha Verghese**, Vijaya Bhaskar R. Poreddy, Sridhar Chowdarapally, Santosh Chintapandu, Simon Ogutu, A study on the effect of the deep frying process on the phytochemical composition of peanuts, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 172. Marilyn Hawkins , **Martha Verghese**, Judith Boateng, Belinda Kanda, Effects on physicochemical properties of grape juice using thermal and pulsed electric field pasteurization, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 173. Cassidy Brazelton , **Martha Verghese**, Pratik Banerjee, Growth and survival of selected probiotic bacteria in legume beverages, 2011 IFT Annual Meeting, Technical abstracts June 11 - 14, New Orleans LA
 174. Peter Wambura , **M. Verghese**, L.t. Walker, Y. Chukwumah, S. Ogutu, Effect of pulsed-ultraviolet light on quality of sliced ham, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 175. Henock Tegete, Peter Wambura , **Martha Verghese**, Application of power ultrasound to improve adhesion of honey on roasted peanuts, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 176. Judith A. Boateng , **Martha Verghese**, David Asiamah Corn pericarp extracts inhibit cell proliferation and promote apoptosis in colon cancer cells, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 177. David Asiamah , **Martha Verghese**, Judith Boateng, L. Shackelford, L. T. Walker, Antonio Miller, L. Dukes, Rhona Miller, Kristen Campbell, Belinda Kanda, Stephen Appiah, Simon Ogutu, Vishnupriya Gourineni, Dattatreya Gajula, Chemopreventive effects of bitter melon against, colon tumorigenesis, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 178. David Asiamah , **Martha Verghese**, Rhona Miller, Judith Boateng, L. Disney, L. T. Walker, L. Shackelford, Simon Ogutu, Peter Wambura, Utilizing health benefits of bitter melon by development of two products: Bitter Melon

- relish and salsa, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
179. Judith Boateng , **Martha Verghese**, Antioxidant activity, induction of apoptosis and inhibition of cell proliferation by peanut and almond extracts in human colon cancer cells, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 180. Reuel Field , **Martha Verghese**, Judith Boateng, L. Shackelford, Antonio Miller, L. Walker, Lauren Mounts, L. Dukes, Antonio Miller, Daniel Crutcher, Dattatreya Gajula, Processed dry beans reduced Azoxymethane-induced colon tumors in Fisher 344 male rats, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 181. Reuel Field , **Martha Verghese**, Judith Boateng, Lauren Mounts, Daniel Crutcher, L. T Walker, L. Dukes, Antonio Miller, Determination of processing methods on total phenolics, flavonoids and antioxidant potential in selected dry beans, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 182. Lisa Disney , **Martha Verghese**, Judith Boateng, L. Shackelford, Peter Wambura, Rhona Miller, S. R. Mentreddy, Gurudev Mayalagu, Simon Ogutu, David Asiamah, L. T. Walker, Effect of selected processing methods on phytochemical content and antioxidant potential of Capsicum annum, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 183. Antonio Miller , **Martha Verghese**, Judith Boateng, L. Shackelford, L. T. Walker, L. Dukes, Reuel Field, Stephen Appiah, Belinda Kanda, Rhona Miller, Lisa Disney, David Asiamah, Kristen Campbell, Chemopreventive potential of almonds and pecans against the development of azoxymethane induced tumorigenesis in Fisher 344 male rats, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 184. Rhona Miller , **Martha Verghese**, Judith Boateng, E Cebert, Simon Ogutu, L. T Walker, Screening of heavy metal accumulation in selected cruciferous vegetables and their impact on antioxidant activity, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 185. L. Dukes , **Martha Verghese**, Judith Boateng, Antonio Miller, L. Shackelford, L. T. Walker, Reuel Field, David Asiamah, Kristen Campbell, Daniel Crutcher Selected herbs and spices reduce azoxymethane (AOM)-induced colon tumors in Fisher 344 male rats, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 186. Rajitha Sunkara , **Martha Verghese**, Judith Boateng, L. Shackelford, L. T. Walker, Simon Ogutu Phytochemical profile, antioxidant and cytotoxic potential of fresh and dried cranberries, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 187. Belinda Kanda , **Martha Verghese**, Judith Boateng, L. Shackelford, Peter Wambura, L. T. Walker, Stephen Appiah, Rhona Miller, L. Dukes, Kristen Campbell, Jalisa Thomas, Lisa Disney, Simon Ogutu, David Asiamah Processing effects on phytochemical content and bioavailability of carrots using a rat model, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 188. Belinda Kanda , **Martha Verghese**, L. Shackelford, Peter Wambura,

- Stephen Appiah, Reuel Field, Simon Ogutu, L. T. Walker, David Asiamah, Janika Hull, Antonio Miller Effect of peaches in reducing azoxymethane-induced aberrant crypt foci in Fisher 344 male rats, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
189. Judith Boateng , **Martha Verghese**, Peter Wambura, L Shackelford, Simon Ogutu, L T Walker Processing effects on phenolics in selected fruits, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 190. Stephen Appiah , **Martha Verghese**, Judith Boateng, L. Shackelford, Belinda Kanda, David Asiamah, Peter Wambura, Reuel Field, Rhona Miller, Antonio Miller, Simon Ogutu, L. T. Walker Effect of processing on chemopreventive potential of grapes and beets in azoxymethane-induced Fisher 344 male rats, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 191. Louis Shackelford , **Martha Verghese**, David Asiamah, Judith Boateng, Simon Ogutu, L. T. Walker Chemopreventive potential of coffee and cocoa against azoxymethane-induced aberrant crypt foci in a rat model, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 192. Rajitha Sunkara , **Martha Verghese**, Simon Ogutu, Judith Boateng, L. T Walker, L. Shackelford, E Cebert Anticancer effects of phytochemical extracts from sorrel calyx, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 193. Vishnupriya Gourineni , **Martha Verghese**, Judith Boateng, L. Dukes, Louis Shackelford, L. T. Walker Prebiotic Synergy1[®] and soybean extracts: Possible synergistic chemopreventive mechanisms, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 194. Vishnupriya Gourineni , **Martha Verghese**, Judith Boateng, L. Shackelford, L. T Walker Cytotoxic and apoptotic effects of isoflavones and short-chain fatty acids, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 195. Kristen Campbell , **Martha Verghese**, Judith Boateng, Jalisa Thomas, Janika Hull, Jasmine Thomas, Simon Ogutu, David Asiamah, Rhona Miller, L. T. Walker, Belinda Kanda Assessment of dietary patterns associated with colon cancer risk among selected races in North Alabama, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 196. Yvonne C. Chukwumah , Lloyd T. Walker, Simon Ogutu, **Martha Verghese** Bioaccessibility of peanut phytochemicals: Effect of in vitro digestion on phytochemical composition of boiled and roasted peanuts, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
 197. Yvonne C. Chukwumah , Lloyd T. Walker, Simon Ogutu, **Martha Verghese** Effect of canning on the bioactive polyphenols of peanuts and changes in phenolic composition during storage, 2010 IFT Annual Meeting, July 17 - 20, Chicago, IL
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Funded Research Projects

1. U.S. Department of Education has awarded AAMU a three-year grant totaling \$750,000 under USDE's Minority Science and Engineering Improvement Program (MSEIP). Vizcarra, Verghese et al.
2. The Alabama ADVANCE Partnership for Gender Equity in STEM, National Science Foundation (Partner schools-UAB, Miles College, Oakwood University, UAH) AAMU PI-Dr. Jones, Co-PI, M. Verghese, P.Guggilla, T.Perry and M. Swoope (2020 to current)
3. Food Science Inclusion in STEPS (School Teachers & Educational Professionals in Science). **M. Verghese** and S. Willis (USDA-NIFA-CBG)\$148,000
4. Evaluation of health promoting properties of selected spices and plant extracts against obesity induced diabetes, USDA, **PI-M. Verghese**, J. Herring and J. Vizcarra 2018-2021 (\$300,000)
5. Building capacity in Poultry research. J. Vizcarra, **M. Verghese** and R. Sunkara, \$496,916 USDA/NIFA (2016 to current)
6. Developing a Sustainable Research Program in Foodomics at Alabama A&M University, Judith Boateng and **M. Verghese** \$300,00 USDA/NIFA (2017 to current)
7. Enhancing Underrepresented Food Science Postsecondary Students. Herring, J., **Verghese, M.**, Vizcarra, J., Boateng, J., Kassama, L. Walker, L. USDA. \$168,053. 2016 (2 years)
8. Boateng, J; Verghese, M; Konan, K; Sharma, G. Training Of Minority Students in the Field of Nutrigenomics and Functional Foods (2013-2017). (USDA-CBG)-Funded-\$149,000
9. L. Kassama, J. Boateng, M. Verghese. Undergraduate Research to Retain and Graduate Students in STEAM. Thurgood Marshall College (2012-2013). Fund -\$10,000- (funded)
10. HPL-Based Ethics Education for Life Science and Engineering. Collins, J., Cebert, E., Fraser, R. and Verghese, M. NSF. \$399,990. (3 years)
11. Building Abilities of Students, Faculty and Alabama A&M University through Workshops in Food & Animal Science. Herring, J., Abdelrahim, G., Banerjee, P., Boateng, J., Verghese, M., and Vizcarra, J. USDA. \$148,519. 2011 (3 years)
12. HPL-Based Ethics Education for Life Science and Engineering
PI: Collins, J, CoPI: Cebert, E, Fraser, R and **Verghese, M**
NSF –Amount-\$399,990 (3 years)
13. A National Food Safety Education Program: building a multidisciplinary food safety training pipeline from K-12 to graduate school PI: Wiedmann (Cornell), Co PIs: **Verghese**, Ramirez, Oliver and Roberts Agriculture and Food Research Initiative (AFRI) Food Safety program Amount: \$5,063,436.00 (5 years)

14. Enhancement in Minority Participation in Functional food product development in food science programs. Verghese, M, Boateng, J., Herring, J., Banerjee, P. and Walker, L. USDA. 2010. \$149,976 (3 years)
15. Develop Capacity to Integrate Nanotechnology in the Food Engineering Curriculum at Alabama A & M University, USDA \$300,000; PI-L. Kassama, CoPI-M. Verghese, End 2015
16. Enhancement of minority student participation in food safety , PI: Verghese, M, Bhunia, A, Okafor, F, USDA-Amount \$149,838 (3 years) end 2015
17. USDA- Advancing Food Science in Pre-Post secondary education -\$199,987- (2008-2011) **PI: Verghese, M**, Co PI: Boateng, Herring, Banerjee, and Walker
18. Antioxidant Potential of Fruit Extracts and their Phytochemicals (2008-09) Department of Defense.**PI-Verghese, M.** Co-PI-L. T. Walker, Amount \$144,399
19. Ultrasound enhanced separation and extraction of corn fiber for colon carcinogenesis, USDA 1890 Capacity Building Grants Program, \$466,356 (2005-2008) Investigators: Wade Yang & **Martha Verghese**, Other Collaborators: USDA/ARS/SRRC, Clemson University, University of Illinois
20. USDA/CSREES- Chemopreventive potential of peanuts (2005-2010) (\$500,000) **PI-Verghese, M.** Co-PI-L. T. Walker
21. USDA/CSREES- Antioxidant potential of lycopene in cardiovascular disease in rabbits- (2002-2005) (\$330,000) **PI-Verghese, M.** Co-PI-L. T. Walker
22. ORAFTI, Tienen, Belgium, (2004) (\$508,000) **PI-Verghese, M.** Co-PI-L. T. Walker
23. ORAFTI, Tienen, Belgium, (2003) (\$58,000) **PI-Verghese, M.** Co-PI-L. T. Walker
24. ORAFTI, Tienen, Belgium, (2002) (\$48,000) **PI-Verghese, M.** Co-PI-L. T. Walker
25. Chemopreventive potential of Lycopene, National Institutes of Health, (1998), PI-Ram Rao, Co PI-C.B. Chawan, A. Simmone and **M. Verghese** (\$300,000)

Thesis and Dissertation

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