

## Albert Ayeni, Ph.D.

### ADDRESS

59 Dudley Road, Foran Hall Rm. 268

SEBS, Rutgers University

New Brunswick, NJ 08901-8520

Email: ayeni@aesop.rutgers.edu

URL: <http://www.cook.rutgers.edu/~plantbiopath/faculty/ayeni/ayeni.html>;

<http://www.gibex.org/index.php?subj=62>

P: (848) 932-6289

F: (732) 932-3844

**Summary:** Albert Ayeni is Leader and Coordinator for Rutgers' School of Environmental and Biological Sciences' (SEBS) Entrepreneurship Agriculture Program; Coordinator of SEBS Controlled Environment Agriculture and Africa Regional Programs; Associate Director, Global Institute for BioExploration-Africa (GIBEX-Africa); Co-Director, International Science and Education; and Assistant Teaching Professor in the Department of Plant Biology at SEBS. He is a Visiting Professor at Africa's University of Science and Technology (AUST), Abuja, Nigeria. Ayeni is an Agronomist, Weed Control Specialist and Ethnic Crop Research Specialist with 39 years of international experience in research, teaching, extension/outreach, and international programs administration. He is a graduate of the University of Ibadan, Nigeria (B.Sc, Crop Science) and Cornell University, Ithaca, New York (M.S. & Ph.D. Weed Science/Agronomy). He was Asst. Lecturer, Lecturer and Senior Lecturer in Weed Science/Agronomy at the University of Ibadan, Nigeria from 1978-1995. As Asst. Teaching professor at SEBS, Ayeni teaches and co-teaches a total of 12 (twelve) 200-400 level courses. Professionally Ayeni has contributed over 140 publications including peer reviewed research papers, conference proceedings, conference abstracts, fact sheets, chapters in books, bulletins, and invited papers in agronomy, weed management and plant sciences; and directed nine Ph.D. research theses and several Masters and Bachelors degree projects. As Ethnic Crop Research Specialist, Ayeni released the Pumpkin™ Habanero to the New Jersey public in April 2017. Other ethnic crop releases (Habanero peppers, Okra, Roselle, Tigernuts, Amaranths) are at advanced stages of development. Ayeni has mentored more than 50 Rutgers students in various national and international internship programs. As research associate and extension specialist at Rutgers' New Jersey Agricultural Experiment Station, Ayeni conducted research in integrated weed management and crop production, published results in reputable journals and communicated extension packages to the clientele of Rutgers Cooperative Extension from 1995-2001. In the international arena, Ayeni is co-Principal Investigator (co-PI) and co-Project Director (co-PD) of nationally and internationally oriented research, education and outreach projects funded by Rutgers' SEBS, USDA/NIFA, USAID, VentureWell (formerly NCIIA), and the South Africa's National Research Foundation to promote international collaborations in agriculture in the United States, Africa, South America and Asia; and entrepreneurship in Production Agriculture and Food in Mid-Atlantic United States. He is PI and Co-PI in grants totaling >US\$20 million since 1995. As GIBEX-Africa Associate Director, Ayeni linked Rutgers University, University of Illinois at Urbana, and North Carolina State University to 14 African universities and institutions in 11 countries and provided leadership for the US/Africa technology transfer. He played a key role in securing grants for GIBEX-Africa to consolidate the GIBEX partnership in Africa. He developed 15 signed MOUs & LOIs on international collaborations between Rutgers University and African Universities/Research Institutes and successfully negotiated 11 (eleven) Native Pharmacological Material Development Agreements with GIBEX-Africa partners to pave the way for the transfer of GIBEX's field deployable Screens-to-Nature (STN) assays. From 2005-2015, Ayeni served as Chair, Awards Committee for the Washington DC- based Association for International Agriculture and Rural Development (AIARD). From 2013-2014 Ayeni, at the invitation of the US Association for Public and Land Grant Universities (APLU), served on a 4-member team that produced a "***BIFAD Review of Strategic Human and Institutional Capacity Development (HICD) Issues and the Role of USAID and Title XII Under the Feed the Future Programs***". In 2016 he received the Weed Science Society of Nigeria's (WSSN's) Distinguished Pioneer Award as a key founding member of the society and received the 2017 scientific research paper Outstanding Reviewer Award by the Weed Science Society of America (WSSA). In 2017 he received the Distinguished Service Award from the University of Osun State, (UniOsun) Nigeria, for organizing a training workshop on "***Entrepreneurship***" and delivering a University lecture on "***UniOsun: Role as Trail Blazer for Purpose Driven Education in Tertiary Education in Nigeria***." Ayeni is also a leader in the Nigerians in

Diaspora Organization of the Americas (NIDOA), New Jersey Chapter, in which position he chaired the organizing committees for three highly successful NIDOA World Conferences between 2009 and 2013. Ayeni has extensive experience in sub-Saharan Africa and Mid-Atlantic United States. He is married to Olufunlayo and together they have three sons and seven grandchildren.

<b>EDUCATION</b>			
<b>INSTITUTION AND LOCATION</b>	<b>DEGREE</b>	<b>YEAR</b>	<b>FIELDS OF STUDY</b>
Cornell University, Ithaca, NY, USA	Ph.D.	1982	Weed Science/Agronomy
Cornell University, Ithaca, NY, USA	MS	1978	Weed Science/Agronomy
University of Ibadan, Ibadan, Nigeria	B.Sc.	1974	Crop Science/Agronomy

### **EMPLOYMENT HISTORY**

2015 to present: **Coordinator**, Controlled Environment Agriculture, Rutgers' SEBS, New Brunswick, NJ 08901

2014 to present: **Asst. Teaching Professor**, Dept. Plant Biology, Rutgers SEBS, New Brunswick, NJ 08901

2012 to present: **Leader and Coordinator**, Rutgers' SEBS Entrepreneurship Ag Program

2008 to 2014: **Plant Science Instructor**, Dept. Plant Biology, Rutgers' SEBS, New Brunswick, NJ 08901

2008 to present: **Co-Director**, International Science and Education Program, Rutgers' School of Environmental and Biological Sciences, New Brunswick, NJ

2008 to present: **Associate Director**, Global Institute for Bioexploration-Africa (GIBEX-Africa), Rutgers' NJAES, New Brunswick, NJ 08901

2004 to present: **Coordinator, Africa Regional Programs**, Rutgers' SEBS/NJAES, New Brunswick, NJ 08901

2001 to 2007: **Assistant Director**, International Programs, Rutgers' SEBS/NJAES, New Brunswick, NJ 08901

2000 - 2003: **Program Associate** in Weed Science, Rutgers Agric. Res. & Extension Ctr. Bridgeton, NJ 08302

1999 - 2000: **Research Associate** in Weed Science, Rutgers Agric. Res. & Extension. Ctr., Bridgeton, NJ 08302

1997 - 1998: **Interim Weed Extension Specialist**, Nursery, Ornamentals & Turf, Rutgers Agric. Res. & Extension Ctr, Bridgeton, NJ 08302

1995 - 1997: **Visiting Weed Scientist**, Rutgers Agric. Res. & Extension. Ctr., Bridgeton, NJ 08302

1986 - 1988: **Manager & Consultant Agronomist**, Integrated Agricultural Services Ltd., Lagos, Nigeria

1988 - 1999: **Senior Lecturer**, Dept. Agronomy, University of Ibadan, Ibadan, Nigeria

1984 - 1987: **Lecturer I**, Dept. Agronomy, University of Ibadan, Ibadan, Nigeria

1980 - 1983: **Lecturer II**, Dept. Agronomy, University of Ibadan, Ibadan, Nigeria

1978 - 1981: **Research Associate** in Weed Science, Farming Systems Program, International Institute of Tropical Agriculture, Ibadan, Nigeria

1978 - 1980: **Assistant Lecturer**, Dept. of Agronomy, University of Ibadan, Ibadan, Nigeria.

### **AWARDS, HONORS AND DISTINCTIONS**

2017: Distinguished Service Award, University of Osun State (UniOsun), Nigeria

- 2017: Invited Speaker, The Inaugural International Congress for African Agribusiness & Trade (ICAAT), Rutgers University
- 2017: Invited Lecturer, Chinese Delegation Workshop on 21<sup>st</sup> Century Agricultural Production Practices
- 2017: Research paper Outstanding Reviewer Award, Weed Science Society of America (WSSA), Tucson, AZ
- 2016: Distinguished Pioneer Award, Weed Science Society of Nigeria
- 2016: Invited Speaker, United Nations High Level Meeting on Food Security in Sub-Saharan Africa
- 2011- present: Visiting Professor, African University of Science and Technology, Abuja, Nigeria
- 2002 to present: Reviewer, Weed Technology & Weed Science (Journals of the Weed Science Society of America)
- 2005 to 2015: Chair, Awards Committee, Association for International Agriculture and Rural Development, Washington DC, USA
- 2013-2014: Member, HICD Review Team for Strategic Human and Institutional Capacity Development (HICD) Issues and the Role of USAID and Title XII Under the Feed the Future Programs, 2013-2014
- 2012: Northeast Extension Directors Award of Excellence. Rutgers NJAES: “An Integrated Multistate Research and Extension Program Identifying Potential Consumer Demand, Production Opportunities and Barriers to Adoption of Ethnic Crops as Alternatives for East Coast Farmers” Presented to Ethnic Produce Production and Marketing Working Group (EPPMWG) in Recognition of Extending the Knowledge of the Land Grant System to Address Contemporary Issues. Richard Van Vranken, William Sciarappa, **Albert Ayeni**, Ramu Govindasamy, Venkat Purduri, James E. Simon**
- 2012: Beloved Professor Award 2012, Courtesy, Chair Department of Plant Biology and Pathology, Rutgers SEBS.
- 2010: Invited Speaker at the NEWSS Symposium on “Meeting the Challenges of Food Production in Africa” at the 64<sup>th</sup> Annual NEWSS Annual Meeting, Cambridge, MA January 6, 2010
- 2009: Guest Lecturer Award, The Postgraduate School, University of Ibadan, 43<sup>rd</sup> Interdisciplinary Research Discourse, May 27, 2009
- 2008: Associate Editor Service Award, Weed Science Society of America, February 2008 (for editorial service from 2001-2007)
- 2007: National Association of County Agricultural Agents (NACAA) Communications Awards - Computer Generated Graphics - National Finalist. July 17, 2007. Grand Rapids, Michigan. Ethnic Specialty Crops Marketing & Production. William Sciarappa, Ramu Govindasamy, Venkat Purduri, Richard Van Vranken, **Albert Ayeni**, James E. Simon, and Kim Pappas
- 2007: Honored Member, The Global Directory of Who’s Who, honoring Executives &

- Professionals, USA
- 2001: Distinguished Coordinator, International Workshop on Biotech, Rutgers University, USA
- 2000: Honored Member, International Who's Who of Professionals, The Ultimate Professional Directory, USA
- 1994: Certificate of Distinction in Weed Science, Ogun-Osun Ag Dev. Project, Nigeria
- 1986: Member, Institute of Biology, UK
- 1983– 1986 Dennis Stanfield Memorial Fund Award, USA
- 1981– 1982 Institute of International Education (IIE) Scholar, USA
- 1976– 1981 Ford Foundation Scholar at Cornell University, Ithaca, NY, USA
- 1976– 1978 University of Ibadan Scholar at Cornell University, Ithaca, NY, USA

#### TEACHING AT SEBS SINCE 2008

- *Ag & Food Systems Practicum* (11-020-490) (since Summer 2017)
- *Ag & Food Systems Independent Study* (11-020-495) (since Summer 2017)
- *Innovations in Indoor Cultivation* (11-020-340, 4 credits), (Fall 2017)
- *Pesticide Impact Ir/Sr Colloquium* (11-015-439, 3 credits) (since Fall 2009)
- *Entrepreneurial Agriculture* (11-015-442, 3 credits) (since Spring 2013)
- *Tropical Agricultural Systems* (11-015-492, 3 credits) (since Spring 2012)
- *Tropical Agriculture Internship* (11-015-495, 3 credits) (since Fall 2009)
- *Principles of Botany* (11-776-210, 4-credits) (Spring 2012)
- *Introduction to Horticulture* (11-776-211, 3 credits) (since Spring 2010)
- *Plant Science* (11-776-242-02, 3 credits) (since Spring 2009)
- *The Grain Crops* (11-776-301, 3 credits) (since Fall 2008)
- *Weeds: Impact and Mgmt.* (11-776-402, 3credits) (since Fall 2012)
- *Vegetable Production and Marketing* (11-776-421, 3 credits) (since Spring 2009)
- *International Agriculture: New Crops and New Uses* (11-776-443, 3 credits) (since Fall 2010)

#### TEACHING AT THE UNIVERSITY OF IBADAN, NIGERIA (1978-1995)

- AGY 210: *Introduction to General Agriculture (Crops)*
- AGY 310: *Basic Principles of Crop Husbandry*
- AGY 350: *Introduction to Tropical Crops*
- AGY 550: *Weed Science*
- AGY 716: *Weed Control in the Tropics*
- AGY 719: *Special Topics in Agronomy*

#### RESEARCH

- Greenhouse and field evaluation of Ethnic Crops and Marketing in New Jersey

#### PROFESSIONAL SERVICES & ACCOMPLISHMENTS

- Organized Training Workshop on Entrepreneurship at University of Osun State, Nigeria, July 31- August 4, 2017

- Delivered University Lecture at the University of Osun State, Nigeria, on *“UniOsun: Role as Trail Blazer in Purpose Driven Education in Tertiary Institutions in Nigeria”* August 3, 2017
- Released the Pumpkin™ Habanero to the NJ public, April 29, 2017
- Coordinator, Controlled Environment Agriculture, Rutgers’ School of Environmental and Biological Sciences (SEBS), since 2015
- Member, HICD Review Team for Strategic Human and Institutional Capacity Development (HICD) Issues and the Role of USAID and Title XII Under the Feed the Future Programs, 2013-2014
- Organized panel discussion on Culture and Tradition Considerations in Technology Development and Transfer in Agriculture and Rural Development in Sub-Saharan Africa, as contribution to the “Technology Without and Across Borders theme in “Rutgers’ Citizenship & Social Responsibility” initiative, April 24, 2013
- Project Leader, Rutgers’ SEBS Entrepreneurial Agriculture Colloquium since 2012
- Member, Rutgers’ SEBS-ASNAPP initiative in Zambia on CASH, since 2012
- Visiting Professor, African University of Science and Technology, Abuja, Nigeria (since 2011)
- Member, USAID- RTI-Rutgers-NCSU-UM-EHELD initiative, Liberia, since 2010
- Member, Rutgers’ SEBS Ethnic Crop Research Group, since 2002
- Teach Grain Crops (11-776-301); Veg. Production and Marketing (11-776-421), Plant Science (11-776-242-02) (since September 2008); Pesticide Impact (11-015-439, since Fall 2009); Introduction to Horticulture (since Spring 2009), International Agriculture: New Crops and New Uses (since Fall 2010), Principles of Botany (Since Spring 2012), Tropical Ag Internships (since Fall 2009), Tropical Ag Systems (since Spring 2012), Entrepreneurial Agriculture Colloquium (to start Spring 2013)
- Mentor, Student internship programs in International Science and Education and Entrepreneurship Agriculture at SEBS (since 2010). More than 40 Rutgers students supervised to date.
- Organized East African Symposium on “Botanicals: From research to commercialization” March 15, 2010 at the University of Nairobi, Kenya
- Organized the Screens-to-Nature training workshop to take place at the University of Nairobi, Kenya March 16-20, 2010
- Co-PI for the AERO-Asia: Agriculture, Education and Research Opportunities in Asia initiative, since December 2009
- Served as Volunteer Consultant for CropLife, Inc. to assess herbicide efficacy trials in Malawi and Kenya, June 2009
- Invited as 43<sup>rd</sup> Interdisciplinary Discourse Speaker at the University of Ibadan, Nigeria, May 27, 2009 on the topic: “Sustainable Development through International Cooperation in Research and Education” (University audience 200)
- Co-organized the first South African NRF/GIBEX-Africa workshop in Cape Town South Africa, November, 2008
- Co-Director for the International Science and Education initiative at Rutgers’ SEBS since September 2008

- Organized first Entrepreneurial Workshop on African Natural Products and Health: From Research to Commercialization, Kudunchi Hotel, Dar es Salaam, Tanzania, June 2008
- Coordinated training program on Screens-to-Nature technology and Biodiversity Documentation at the University of Dar-es-Salaam, Tanzania, April 2007
- Actively involved in National Collegiate Inventors & Innovators Alliance (NCIIA; <http://www.nciia.org/who.html>) funded Rutgers/Univ. of Dar-es-Salaam Tanzania collaborative project (2007-2008) and facilitated the US Department of Education funded US-Brazil Higher Education Consortia Program (FIPSE-CAPES; <http://www.ed.gov/programs/fipsebrazil/index.html>) project (2006-2009)
- Awards Committee Chair, Association for International Agric. & Rural Development (since 2005)
- Coordinated the establishment of the Global Institute for Bioexploration in Africa (GIBEX-Africa), the largest and fastest growing component (2 US Universities and 14 African Universities/Institutions) of the 2006-2007 Academic Excellence Fund Award winning Global Institute for Bioexploration (GIBEX) organization at Rutgers University (since 2004)
- Chaperon students on educational exchange visits to Brazil and Puerto Rico (2002-2004)
- Chair, Vegetables & Fruit Session, Northeast Weed Science Society, USA (2002)
- Coordinated International Programs at the School of Environmental and Biological Sciences (formerly Cook College) and the New Jersey Agricultural Experiment Station, Rutgers University, (since 2001-2006)
- Coordinated the signing of MOUs and LOIs between Rutgers University and 17 institutions in 11 African countries leading to ongoing collaborations in biotechnology, medicinal chemistry and bioexploration between Rutgers and African institutions (since 2001).
- Associate Editor, Weed Science, Journal of the Weed Science Society of America (2001-2007)
- Led faculty from Rutgers University on exploratory visits to West & Central Africa (since 2000)
- Served as PI/Co-PI/Collaborator on Grants totaling >\$20 million (since 1997)
- Consultant Weed Scientist for the (Nigerian) National Land Development Authority & Osun State ADP (1991-1995)
- Member Curriculum Development Committee for Crop Production (HND), National Board for Technical Education, Nigeria (1990-1992)
- Associate Editor for the Nigerian Journal of Food and Agriculture (1986-1989)
- Organized several scientific meetings, conferences, seminars, symposia, etc. in Nigeria and the United States (since 1982)
- Executive Secretary for the (Nigerian) National Advisory Committee on Weed Control (1982-1996)
- Editor-in-Chief & Managing Editor, Tropical Oilseeds Journal (1982 - 1996)
- National Coordinator (Nigeria), InterFuture, Suffolk University, Boston, MA (<http://www.suffolk.edu/4753.html>) (1982-1995)

- Directed 9 Ph. D., 38 M.Sc. and 31 B.Sc. research projects, University of Ibadan, Nigeria (1981-1999)
- Associate Editor, Nigerian Journal of Weed Science (1981 -1991)
- *Ad-hoc* reviewer for seven scientific journals (since 1981)
- Contributed >120 publications including peer reviewed research papers, conference proceedings, conference abstracts, Fact Sheets, chapters in books, and invited papers (since 1978)
- Taught tropical & temperate Agriculture, Plant Science and Weed Science courses at the University of Ibadan, Nigeria, and Rutgers, The State University of New Jersey USA to > 3000 students at undergraduate and graduate levels (since 1978)

## GRANTS & CONTRACTS

- Exotic Pepper Project, SEBS Dean of Research Grant, 2015-2017, \$117,000 (Co-PI)
- Entrepreneurial Agriculture Colloquium and Internship, VentureWell/SEBS Grant 2012-2015, \$70,850 (PI)
- Rutgers Citizenship & Social Responsibility Grant 2012-2013 for Technologies Without and Across Borders, \$700 (PI)
- Excellence in Higher Education for Liberian Development (EHELD) Grant 2011-2016, \$19.5 million (Visiting faculty in RTI project with Rutgers as sub-contractor)
- IR-4 Grant for Exotic Pepper Project-Pesticide Residue studies 2010, \$15,000 (Co-PI Tom Orton)
- Rutgers' Technologies Without Borders: Technologies Across Borders series 2011-2012 \$700 (Two Panel Discussions on Culture and Tradition Considerations in Agricultural Technology Development and Transfer in Sub-Saharan Africa proposed for June 2012)
- Rutgers' Ecologies in the Balance? Series 2010-2011, \$600 (Two Panel Discussions on Lessons in Agriculture and Culture in Sub-Saharan Africa, April 19 & 26, 2011)
- SEBS Competitive Intramural Awards Program (Curriculum Development Awards), 2010, \$5000 (PI Mike Lawton)
- USDA/NIFA Specialty Crop Research Initiative Grant 2010-2014, \$1,503,225 (PI Ramu Govindasamy)
- USDA/NIFA & Rutgers' NJAES International Science and Education Grant 2008-2012, \$200,000 (PI Mike Lawton)
- Key International Science Capacity Grant, 2007-2009, \$46,000 (PI Kelly Chibale)
- Rutgers' Academic Excellence Fund Award 2006-2007, \$65,000 (PI Ilya Raskin)
- NCIIA Grant for Sustainability Vision 2006-2008 \$40,700 (PI Ilya Raskin)
- USDA-NRI Grant 2005-2008 \$450,000 (PI's Ramu Govindasamy & Rick VanVranken)
- International Program Grant 2004 by Xechem International, Inc. \$5000 (PI A. O. Ayeni)
- Cranberry Research Grants 1997–2000 \$50,000 (PI B. A. Majek)

- Sustainable Agriculture Symposium 2001 \$1500 (PI A. O. Ayeni)
- Postemergence Weed Management Grant 1999-2001 \$60,000 (PI B. A. Majek)
- Mugwort Management in Shade Trees 2000-2001 \$9000 (PI A. O. Ayeni)
- Weed Density Studies PSU-Cook/NJAES Collaboration 2001-2002 \$45,000 (PI B. A. Majek)
- Weed Emergence Studies PSU-Cook/NJAES Collaboration 2001-2002: \$35,000 (PI B. A. Majek)

#### **MEMBERSHIP OF LEARNED SOCIETIES**

- Association for International Agriculture and Rural Development, USA, since 2002
- American Association for the Advancement of Science (AAAS) USA, since 1999
- Weed Science Society of America, USA since 1976
- Northeast Weed Science Society, USA, since 1976
- International Weed Science Society, USA, since 1977
- Institute of Biology, UK, since 1985
- Weed Science Society of Nigeria, Nigeria (Life Member) since 1978
- Nigeria Society for Plant Protection, Nigeria (Life Member) since 1985

#### **SELECTED PEER REVIEWED PAPERS:**

**Ayeni, A. O.,** M. Sanders, A. Rysanek, M. Menendez 2017. Ultra-Niche Crop Series: Production and Marketing of Roselle (*Hibiscus sabdariffa*) in New Jersey. NJAES Cooperative Extension Fact Sheet: under review

**Ayeni, A.O.,** H. Healy, M. Menendez, T. Orton, J. Simon. 2017. Ultra-Niche Crops Series: Production and Marketing of Habañero Peppers in New Jersey. NJAES Cooperative Extension Fact Sheet FS 1273, 5pp

**Ayeni, A.O.** 2015. Extension Education Strategy for Minimizing Aflatoxin Impact on Sub-Saharan African Agriculture and Food Systems, World Mycotoxin Journal 8:253-257

Govindasamy, R. R. Van Vranken, W. Sciarapa, **A. Ayeni**, V. Puduri, K. Pappas, J. Simon, F. Mangan, M. Lamberts, G. McAvoy. 2011. Ethnic Crop Opportunities for Growers on the East Coast: A Demand Assessment. Journal of Extension. 16m nd 3 <http://www.joe.org/joe/2010december/rb2.php>

Govindasamy, R., R. VanVranken, W. Sciarappa, **A. Ayeni**, V.S. Puduri, K. Pappas, J.E. Simon, F. Mangan, M. Lamberts and G. McAvoy. 2010 “Consumers’ Shopping Patterns and Expenditures on Ethnic Produce: A Case Study from the Eastern Coastal U.S.A”, Journal of the American Society of Farm Managers and Rural Appraisers. 73: 36-49.

**Ayeni, A.** William Sciarappa, Richard VanVranken, Ramu Govindasamy, Venkata S.



- Puduri, Kim Pappas, James Simon, Frank Mangan, Mary Lamberts, and Gene McAvoy 2009. Sponge Gourds or Luffas. Rutgers' NJAES-RCE Fact Sheet # 1111, 3 pp.
- Ayeni, A.** William Sciarappa, Richard VanVranken, Ramu Govindasamy, Venkata S. Puduri, Kim Pappas, James Simon, Frank Mangan, Mary Lamberts, and Gene McAvoy 2009. Chiles or Chilies (Mexican/Central American) and Ajis (Caribbean) (Ethnic Peppers). Rutgers' NJAES-RCE Fact Sheet # 1112, 3 pp.
- Ayeni, A.** William Sciarappa, Richard VanVranken, Ramu Govindasamy, Venkata S. Puduri, Kim Pappas, James Simon, Frank Mangan, Mary Lamberts, and Gene McAvoy 2009. Bok Choys (Chinese Cabbages) (*Brassica rapa chinensis*) Rutgers' NJAES-RCE Fact Sheet # 1113, 3 pp
- Govindasamy, R., R Vanvranken, W. Sciarappa, **A. Ayeni**, W.S. Puduri, K. Pappas, J.E. Simon, F. Mangan, M. Lamberts, G. McAvoy. (In press). Consumers' Shopping Patterns and Expenditures on Ethnic Produce: A Case Study from the Eastern Coastal U.S.A. Journal of American Society of the Farm Managers and Rural Appraisers.
- Govindasamy, R., W. Sciarappa, V.S. Puduri, R. Vanvranken, **A.O. Ayeni**, K. Pappas, J.E. Simon, F. Mangan, M. Lamberts, and Gene McAvoy. 2007 Economic development of ethnic crops for the East Coast: A procedural synopsis. NJAES and NRI Publications (In press)
- Govindasamy, R., R. Vanvranken, V.S. Puduri, **A.O. Ayeni**, W. Sciarappa, K. Pappas, J. E. Simon, F. Mangan, M. Lamberts and G. McAvoy 2007. Demographics and the marketing of Asian and Hispanic produce in Eastern Coastal USA. NJAES and NRI Publications (In press)
- Sciarappa, W., Govindasamy, R., VanVranken, R., Ayeni, A., Simon, J. 2007. Assessing Ethnic Consumer Demand for Horticultural Crops. HortScience, 42:860
- Govindasamy, R; W. Sciarappa; V.S. Puduri; R. VanVranken; **A.O. Ayeni**, K. Pappas, J.E. Simon, F. Mangan; M. Lamberts, and G. McAvoy, 2006. A market driven approach to ethnic crop development for the U.S. East Coast. *III: Trends in New Crops and New Uses: Proceedings of the Fifth National Symposium New Crops and New Uses: Strength in Diversity*, Purdue University (Accepted)
- Ikuenobe, C.E., O. Fadayomi, J.O. Adeosun, A.A. Melifonwu, N.Gworgwor, and **A. O. Ayeni**. 2005. State of adoption of improved weed control technologies among farmers in three agro-ecological zones of Nigeria. Nigerian Journal of Weed Science 18:1-19
- Belding, R. O., B. A. Majek, G. R. Lokaj, J. Hammerstedt and **A. O. Ayeni**. 2004. Orchard floor management influence on summer annual weeds and young peach

- tree performance. *Weed Technology* 18:215-222
- Alabi, B.S., **A.O. Ayeni**, A.A. Agboola, and B.A. Majek. 2004. Manual control of thorny mimosa (*Mimosa invisa*) in Cassava (*Manihot esculenta*). *Weed Technology* 18:77-82
- Alabi, B.S., **A.O. Ayeni** and A.A. Agboola 2004. Economic assessment and chemical control of thorny mimosa in cassava in Nigeria. 4<sup>th</sup> International Crop Science Congress, Brisbane, Australia pp 447-411
- Belding, R.D., B.A. Majek, G.R. Lokaj, J. Hammerstedt and **A.O. Ayeni**. 2003. Orchard floor preparation did not affect early peach tree performance on Aura Sandy Loam. *Hort Tech.* 13:321-324
- Bello, O.S., A.A. Agboola, C.T.I Odu and **A.O. Ayeni**. 2002. Agrochemicals and land degradation problems in the humid tropical environment. 17<sup>th</sup> World Congress of Soil Science Paper # 435 11pp
- Alabi B.S., **A.O. Ayeni**, A. A. Agboola and B.A. Majek. 2001. Giant sensitive plant interference in cassava. *Weed Science* 49:171-176
- VanGessel, M.J., **A.O. Ayeni**, and B.A. Majek. 2001. Glyphosate in full-season no-till glyphosate-resistant soybean: role of preplant applications and residual herbicides. *Weed Technology* 15:714-724
- VanGessel, M.J., **A.O. Ayeni**, and B.A. Majek. 2001. Glyphosate in double-crop no-till glyphosate-resistant soybean: role of pre-plant applications and residual herbicides. *Weed Technology* 15:703-713
- VanGessel, M.J., **A.O. Ayeni**, and B.A. Majek. 2000. Optimum glyphosate timing with or without residual herbicides in glyphosate-tolerant soybean under conventional tillage. *Weed Technology* 14:140-149.
- Obiazi, C. C. and **A.O. Ayeni** 2000 Growth stage and control of wild poinsettia in cowpea with imazaquin. *African Journal of Science and Technology* 1:163-168
- Udensi, U.E., I. O. Akobundu, **A. O. Ayeni**, and D. Chikoye. 1999. Management of cogongrass (*Imperata cylindrica*) with velvetbean (*Mucuna pruriens* var. *utilis*) and herbicides. *Weed Technology* 3:201-208.
- Ayeni, A. O.**, B.A. Majek, and J. Hammerstedt. 1998. Rainfall influence on imazethapyr bioactivity in New Jersey Soils. *Weed Science* 46:581-586.
- Jourdan, S.W., B.A. Majek, and **A. O. Ayeni**. 1998. Imazethapyr bioactivity and movement in soil. *Weed Science* 46:608-613.
- Ayeni, A. O.**, D.T. Lordbanjou, and B.A. Majek. 1997. Mexican sunflower in

southwestern Nigeria: Occurrence and growth habit. *Weed Research* 37:443-449.

**Ayeni, A. O.,** SO. Agbato, and B.A. Majek. 1997. Seed depth influence on Mexican sunflower emergence and control. *Weed Technology* 11:417-427.

**Ayeni, A. O.** 1997. Use and optimization of imidazolinone herbicides in legume production in Nigeria. *Proceedings: British Crop Protection Conference – Weeds* 2:693-698.

Jourdan, S.W., B.A. Majek and **A. O. Ayeni.** 1997. Soil persistence of imazethapyr and detection using a sensitive bioassay technique. *Journal of Production Agriculture* 10:52-56

**RECENT CONFERENCE PAPERS/POSTERS, INVITED LECTURES, ABSTRACTS, etc.**

**Ayeni, A.O.,** T. Orton and J.E. Simon 2017. Exotic pepper project at Rutgers University Paper for the 2017 VGANJ Annual Convention and Trade Show, Atlantic City, NJ

**Ayeni, A.O.,** T. Orton and J.E. Simon 2016. Exotic pepper project at Rutgers University Paper for the 2016 VGANJ Annual Convention and Trade Show, Atlantic City, NJ

**Ayeni, A.O.** and T. Orton and J.E. Simon 2015. Exotic pepper project at Rutgers University. Paper for the 2015 VGANJ Annual Convention and Trade Show, Atlantic City, NJ

**Ayeni, A.O.** and T. Orton 2014. Exotic pepper project at Rutgers University. Paper for the 2014 VGANJ Annual Convention and Trade Show, Atlantic City, NJ

**Ayeni, A.O.** 2013. Influence of Culture & Tradition on the Transfer of Technology in Ag & Rural Development in Sub-Saharan Africa. Presentation at the Rutgers “Technologies Without and Across Borders” discourse on Wednesday April 24, 2013, Rutgers University, New Brunswick, NJ

**Ayeni, A.O.** and T. Orton 2013. Exotic pepper project at Rutgers Agricultural Research and Extension Center, Bridgeton, NJ. Paper for the 2013 VGANJ Annual Convention and Trade Show, Atlantic City, NJ

**Ayeni, A.O.** 2013. Entrepreneurial Agriculture. Lecture given at the African University of Science and Technology, Abuja, Nigeria, March 2013

**Ayeni, A.O.** 2013. Influence of Culture & Tradition on the Transfer of Technology in Ag & Rural Development in Sub-Saharan Africa. Presentation at the Rutgers “Technologies Without and Across Borders” discourse on Wednesday April 24, 2013, Rutgers University, New Brunswick, NJ

Giurleo, D., J. K. A Gustafson, J. Chaudhry, J. Singh, T. Villani, **A. Ayeni,** T. Orton, E. Dager, R. Pyne, C. Park, Q. Wu and , J. Simon 2012. AGFD 149-Chemical diversity of capsinoids and polyphenols in *Capsicum* spp. Paper presented at the 244th American Chemical Society Annual Meeting, August 19-23, 2012, Philadelphia, PA,

**Ayeni, A. O.** 2012. Community Agriculture. Lecture given at the African Renaissance Institute of Science and Technology, Abeokuta Nigeria, March 2012

**Ayeni, A.O.** 2012. Career opportunities in Agriculture. Invited talk at the 2012 EHELD SummerStart Program, University of Liberia, Fendall Campus. A powerpoint

- presentation
- Ayeni, A.O.** 2012. Accelerating Crop Production in Zambia: Role for Adequate Plant Nutrition Highlights of presentation at the ASNAPP meeting with growers at Protea Hotel, Chipata, Zambia, Thursday September 27, 2012
- Ayeni, A.O.** 2012. Accelerating Crop Production in Zambia: Role for Adequate Plant Nutrition and Weed Management. Presentation at the ASNAPP Workshop on Increased Vegetable Production and Quality at Mika Hotel, Lusaka, Zambia, Thursday October 4, 2012
- Sciarappa, W., Govindasamy, R., Kelly, K. M., Mangan, F., Simon, J.E., Zhang, S., Puduri, V., **Ayeni, A.**, Nitzsche, P., Van Vranken, R., McAvoy, G., Komar, S. and Schilling, B. Update on Leafy Greens and Herbs Project - USDA-SCRI Grant, Central Jersey Vegetable Growers Meeting, Feb.3, 2012. Freehold, NJ
- Sciarappa, W., Govindasamy, R., Kelly, K. M., Mangan, F., Simon, J.E., Zhang, S., Puduri, V., **Ayeni, A.**, Nitzsche, P., Van Vranken, R., McAvoy, G., Komar, S. and Schilling, B. Update on Leafy Greens and Herbs Project - USDA-SCRI Grant, American Society of Horticultural Science - Northeast, Jan.5, 2012, Philadelphia, Pa.
- Ayeni, A.O.**, T. Orton and J.E. Simon. 2011 Exotic pepper project at NJAES. Poster presented at the 2011. VGANJ Annual Meeting and Trade Show, Atlantic City, NJ
- Sciarappa, W., Govindasamy, R., Kelly, K. M., Mangan, F., Simon, J.E., Zhang, S., Puduri, V., **Ayeni, A.**, Nitzsche, P., Van Vranken, R., McAvoy, G., Komar, S. and Schilling, B. Update on Leafy Greens and Herbs Project - USDA-SCRI Grant, Mid-Atlantic Vegetable extension Workers Conference, Nov. 9, 2011, Dover, De.
- Govindasamy, R., K. M. Kelly, F. Mangan, J. E. Simon, S. Zhang, W. Sciarappa, R. VanVranken, **A. Ayeni**, P. Nitzsche, G. McAvoy, B. Schilling, S. J. Komar and V. S. Puduri. 2010 Locally Grown Ethnic Greens and Herbs: Demand Assessments and Production Opportunities for East Coast Farmers”, Poster Presentation at Specialty Crops Research Initiative Project Director’s Meeting in conjunction with American Society for Horticultural Science (ASHS) Annual Meeting August 2-5, 2010, Desert Springs JW Marriott Resort & Spa, Palm Desert, California
- Govindasamy, R., K.M. Kelley, F. Mangan, J.E. Simon, S. Zhang, W.J. Sciarappa, R. W. Van Vranken, **A. Ayeni**, P. Nitzsche, G. McAvoy, B. Schilling, S. J. Komar, V. S. Puduri, 2010-2012. Locally Grown Ethnic Greens and Herbs : Demand Assessments and Production Opportunities for East Coast Growers. Poster displayed at NACAA – National Association of County Agriculture Agents, NJACTS – New Jersey Agricultural Conference & Tradeshow (NJVGA), Central Jersey Annual Vegetable Conference, Rutgers School of Environmental & Biological Sciences.
- Govindasamy, R., K.M. Kelley, F. Mangan, J.E. Simon, S. Zhang, W.J. Sciarappa, R. W. Van Vranken, **A. Ayeni**, P. Nitzsche, G. McAvoy, B. Schilling, S. J. Komar, V. S. Puduri, 2009-2011. Specialty Greens and Herbs- Selections for the East Coast. Poster displayed at NACAA – National Association of County Agriculture Agents, NJACTS – New Jersey Agricultural Conference & Trade show (NJVGA), Central Jersey Annual Vegetable Conference, Rutgers School of Environmental & Biological Sciences.
- Govindasamy, R., R. Van Vranken, W. Sciarappa, **A. Ayeni**, V. S. Puduri, K. Pappas, J.E. Simon, F. Mangan, M. Lamberts and G. McAvoy, 2008. Ethnic Crop

- Opportunities for Growers on the East Coast: A Demand Assessment. Proc. Fla. State Hort. Soc.
- Govindasamy, R., R. VanVranken, W. Sciarappa, **A. Ayeni**, V. Puduri, K. Pappas, J. E. Simon, F. Mangan, M. Lamberts and G. McAvoy. Demographics and the Marketing Of Asian and Hispanic Produce in the Eastern Coastal U.S.A., New Jersey Agricultural Experiment Station, P-02903-2-07, November 2007. <http://www.dafre.rutgers.edu/documents/ramu/agmkt.htm>
- Govindasamy, R., R. VanVranken, W. Sciarappa, **A. Ayeni**, V. Puduri, K. Pappas, J. E. Simon, F. Mangan, M. Lamberts and G. McAvoy. "Survey Methods and Identification of Ethnic Crops in the USA: A Procedural Synopsis," New Jersey Agricultural Experiment Station, P-02903-1-07, May 2007, 46 pp. <http://www.dafre.rutgers.edu/documents/ramu/agmkt.htm>
- Govindasamy, R., W. Sciarappa, V. S. Puduri, R. VanVranken, **A. Ayeni**, K. Pappas, J.E. Simon, F. Mangan, M. Lamberts, and G. McAvoy. A Market Driven Approach to Ethnic Crop Production for the US East Coast. In: Issues in New Crops and New Uses. Ed. By J. Janick and A. Whipkey. ASHS, Virginia, 2007 pp, 261-273.
- VanVranken, R. W., Sciarappa, W., Govindasamy, R., Puduri, V., **Ayeni A.**, Simon, J.E., Mangan F., Lamberts, M., McAvoy, G., Pappas, K., and Gbolo, M., 2007 Producing for the Ethnic Consumers on the East Coast - An Assessment of Demand for Specialty Produce. Proceeding of the New Jersey Annual Vegetable Growers Meeting. Atlantic City, NJ. January 16-18, 2007