

James E. Simon
Distinguished Professor, Department of Plant Biology
Director, New Use Agriculture and Natural Plant Products Program
Director, Center for Food Systems Sustainability, Rutgers IFNH
Faculty Director, Rutgers University Core Facility for Natural Products & Bioanalysis
Rutgers University, School of Environmental and Biological Sciences (SEBS)
59 Dudley Road, New Brunswick, New Jersey
Office Tel: 848-932-6239; Fax: 732-932-9441
E-mail: jimsimon@rutgers.edu; Web-site: <http://newuseag.rutgers.edu>
and RUCAFE website: <https://rucafe.rutgers.edu>

1. Education:

1979-1984	Ph.D.	University of Massachusetts Environmental Stress Physiology, Dept. Plant & Soil Sciences
1975-1977	M.S.	Oregon State University Major: Plant Nutrition/Management, Dept. Horticulture Minor: Plant Pathology
1972-1974	B.S.	Empire State College Major: Agriculture

2. Professional Experience/Employment History:

2022-current	Faculty Director, Rutgers University Core Facility for Natural Products & Bioanalysis
2020-current	Director, Center for Agricultural Food Ecosystems (RUCAFE), Rutgers Institute Food, Nutrition & Health
2018-current	Member, Rutgers Center for Vector Biology
2017-current	Member, Rutgers Global Health Institute
2014-current	Distinguished Professor, Plant Biology, Rutgers University, NJ
2014-current	Founding Member and Associate Director, Rutgers Center for Sensory Sciences & Innovation
2006-current	Member, Center for African Studies, Rutgers
2004-current	Member, Graduate Faculty, Medicinal Chemistry, School of Pharmacy, Rutgers
2000-current	Member, Graduate Faculty in Plant Biology, SEBS, Rutgers
2000-current	Director, New Use Agriculture & Natural Plant Products Program, SEBS, Rutgers
2000-2014	Professor, Dept. Plant Biology and Plant Pathology, Rutgers University, NJ
1994-2000	Professor, Horticulture & Landscape Architecture Dept., Purdue University, IN
1988-1994	Associate Professor, Horticulture Department, Purdue University, IN
1983-1988	Assistant Professor, Horticulture Department, Purdue University, IN
1980-1983	Graduate Research Assistant, University of Massachusetts, Amherst, MA
1979-1980	Graduate Teaching Assistant, University of Massachusetts, Amherst, MA
1978-1979	Assistant Researcher, Ministry of Agriculture, Head of Aromatic & Mountainous Spice Plants Program, R & D Project, Agric. Research Organization, Israel

3. Major Areas of Expertise: Using a market-first science-driven models to commercialize traditional and ethnic/indigenous vegetables, horticultural crops and botanicals. Genetic diversity, germplasm and varietal evaluation, plant breeding for health and nutrition, natural plant products chemistry, new uses of plants, production and post-harvest systems, and new product development and standardization. Quality control from the raw materials through product standardization, processing, and new applications of plant extracts for foods, health and nutrition, nutraceuticals, and protodrugs. Development of new crops and new value-added plant products for economic development in agriculture and forestry. Higher Educational curriculum development, training faculty, students and capacity building, facilitating linkages between public and private sectors and in working with communities to improve health, nutrition, food security and income generating activities.

4. A Short BioSketch of Prof. Simon's Research and Development Activities:

Simon serves as Director of the New Use Agriculture and Natural Plant Products Program (NUANPP), Rutgers University, which seeks to identify new crop opportunities, new applications of bioactive and nutritious plant compounds and new products from fruits, vegetables, herbs and marine organisms. Simon also serves as the Director of the Center for Agricultural Food Ecosystems (RUCAFE), whose mission is to bring a uniquely diverse and holistic approach to researching food systems and designing innovative and culturally appropriate methods to sustainably nourish our growing human population in balance within our global ecosystems. The RUCAFE mission is to increase access, affordability, availability, and adoption of healthy, environmental, economic, and culturally appropriate and sustainable food. Work also focuses on food security.

Simon has co-led botanical cores of several NIH programs including (i) Purdue University and University of Alabama National Botanical Center on Age Related Diseases (2000-2011); (ii) NIH Center of Excellence for Research on Complementary and Alternative Medicine for Alzheimer's disease on the protective roles provided by grape derived polyphenolic compounds led by Mt. Sinai Medical School (2007-2014); and (iii) Mt. Sinai Medical School led Botanical Center for Dietary Polyphenols in the Preservation and Promotion of Cognitive and Psychological Resiliency (2015-2020) and has served as the university PI on other NIH SBIRs.

Simon has also served as the PI on major federal scientific projects including those with funded from the USDA/NIFA and BARD, such as *Managing Downy Mildew (DM) and Fusarium in basil (Ocimum basilicum L.) with new resistant varieties, improving genetics and management practices*; served as co-PI on the USDA/SCRI funded *Locally Grown Ethnic Greens and Herbs: Demand Assessments and Production Opportunities for East Coast Farmers on Ethnic Greens and Herbs for the East Coast*, which uses our market-first science driven models to explore new crop opportunities for ethnic crops here in New Jersey and the East Coast, and leads and/or participants in several other national and international research initiatives (see our NUNAPP website; and list of grants later in this document). Simon has also lead and participated in many other initiatives on high value and ethnic crops.

Internationally, Simon began conducting collaborative research in sub-Saharan Africa over 25 years ago, initially in South Africa on new essential oils from indigenous plants in the Eastern Province, to working on introducing into cultivation indigenous herbal teas such as honeybush and rooibos to rural poor communities in the Western Cape. It was there we began to develop our market-first, science driven models of commercialization to improve food security and income generating opportunities. With the success achieved, slowly we expanded and introduced similar models into other countries in southern, eastern and western Africa using a wider variety of plants, crops and plant-based processed products that ranged from NonTimber Forest Products (botanicals and medicinals), to spices (culinary herbs, chillis, paprika, African Birds Eye Peppers), to fresh market vegetables and most recently to indigenous vegetables. Simon served as PI for Partnerships in Food Industry Development for Natural Products (www.pfidnp.org), a US university-led USAID funded program which facilitated the commercialization of natural products and horticultural crops for small African farmers in sub-Saharan Africa using our market-driven and scientific model of development for which we engage local NGOs and university to serve as the coordinating and implementing partners in Africa. Simon was an original author for the WHO Guidelines on Good Agricultural and Collection Practices (GACP) for Medicinal Plants and has experience and programs in international research in sub-Saharan Africa (Cameroon, Ghana, Liberia, Kenya, Madagascar, Malawi, Namibia, Rwanda, Senegal, South Africa, Tanzania, and Zambia), in Israel and most recently in the Federated States of Micronesia.

Simon also served as the PI at Rutgers in the major USAID funded project in Liberia (Excellence in Higher Education for Liberian Development revamping the School of Engineering at University of Liberia and the College of Agriculture & Sustainable Development, Cuttington University); led the horticultural nutrition project sponsored by the USAID Horticulture Innovation Lab in Kenya, Tanzania and Zambia (with Purdue University, Steve Weller as co-PI); and served as the Rutgers PI on a similar USAID project to support the Higher Educational Institutions in El Salvador. His work incorporates and engages faculty and graduate students from both Rutgers as well as from partnering universities and research institutes. He was the 2012 winner of the BIFAD award for research excellence and impact for USAID CRSP programs. Simon is nationally and internationally recognized as one of the leading global horticultural and medicinal and aromatic plant authorities with specialization in natural products and quality control and developing strong linkages between the university and private sector for

commercialization. Currently, Simon collaborates with Israeli scientists on basil for disease resistance and understanding the genetics of chilling resistance. Simon's strength and interest is in bringing together multi-disciplinary teams of faculty and students, universities and the public and private sector into strategic partnerships that build new or strengthen ongoing international programs and that encompass the entire ecosystem.

5. Academic and Scientific Awards & Honors:

- 2020 Recipient of the 2020 Distinguished Service to Agriculture Award, Atlantic County Board of Agriculture, NJ
- 2018 Recipient of the 2018 Team Excellence Award, School of Environmental and Biological Sciences. Rutgers, The State University of New Jersey. Simon serves as Co-Team Leader for this team, Ethnic Produce Production and Marketing Working Group (EPPMWG).
- 2018 Journal page cover for research paper: Reichert et al. Phytochemical analysis and anti-inflammatory activity of *Nepeta cataria* accessions. *J. Medicinally Active Plants* 7(1):19-27.
- 2017 The Chancellor's Award for International Impact, Rutgers, The State University of New Jersey
- 2017 Journal page cover for research paper: Simon et al. Establishing standards on colors from natural sources. *J. Food Science*: 82(11). doi: 10.1111/1750-3841.13927.
- 2015 Women of Nsongwe: A documentary (<https://vimeo.com/127078444>) produced by the Rutgers Digital Filmmaking Program on Simon's international program in Zambia.
- 2014 Special Service Award, Association for International Agriculture & Rural Development
- 2013 President, of the Liberian Studies Association
- 2013 Recipient of the International Excellence Award for 2013, School of Environmental and Biological Sciences. Rutgers, The State University of New Jersey
- 2012 Recipient of the 2012 Award for Scientific Excellence by a researcher in a USAID Collaborative Support Research Program. The Board for International Food and Agricultural Development (BIFAD), USAID.
- 2012 Recipient of the 2012 Burton Kallman Scientific Award, Natural Products Association. This award recognizes individuals who have made outstanding scientific contributions that have benefited the natural products industry.
- 2012 Recipient of the 2012 Northeast US University's Cooperative Extension Service Directors Award of Excellence, for "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. Team Member of the Ethnic Produce Production and Marketing Working Group.
- 2012 Journal page cover for research paper: Nahm et al. Effect of selected synthetic and natural Antioxidants on the oxidative stability of shea butter (*Vitellaria paradoxa* subsp. *paradoxa*). *J. Medicinally Active Plants* 1(2):69-75.
- 2011 Recipient of the 2011 Team Excellence Award. School of Environmental and Biological Sciences. Rutgers, The State University of New Jersey, Simon served as Team Member for the 2011 SEBS Team Excellence award for: The Great Tomato Tasting Event at Snyder Farm (outreach/extension program)
- 2009 Recipient of the 2009 Team Research Award. School of Environmental and Biological Sciences. Rutgers, The State University of New Jersey, Simon served as lead PI for this team leading the "Partnership for Sustainable Economic Growth in Africa through Natural Products Development."
- 2008 Invited, Associate Director-Sustainable Development, Global Institute for BioExploration
- 2007 Mpuntu teas and spices listed by Food & Wine Magazine (January, 2007) as one of the best flavors to taste in 2007. The Mpuntu branded products reflect our branded African line of teas and spices as supported by our PFID/NP program, led and implemented by our ASNAPP network in support of the producing communities.
- 2006 Appointed Professor Extraordinaire, Dept. Agronomy, Stellenbosch University, South Africa.
- 2005 First Prize Award for Sustainability: ASNAPP-South Africa ASNAPP from the South African National Science and Technology Forum (NSTF) Award for 2004 in the Category: "A Not for Profit Organization over the last three years".
- 2004 Honorary Scientist, Rural Development Administration, South Korea (equivalent to our USDA). Reappointed from a 2001 appointment.
- 2003 Invited Original Co-author for the WHO Guidelines on Good Agricultural and Collection Practices (GACP) for Medicinal Plants. WHO, Geneva, 2003. 72 pp. (Fong, Simon, Regalado).

- 2003-2010. Member of the External Advisory Board of the National Botanical Center “Iowa Center for Research on Dietary Botanical Supplements” led by Iowa State University & Univ. of Iowa.
- 2003 Fancy Food Show. New York City. July 5-8. Our rooibos tea from South Africa, within our ASNAPP exhibition was recognized as a Pick-of-the Aisle by Gourmet Retailer for its high quality.
- 2001 Juliani H.R. and JE Simon. Antioxidant Activity of Basil (*Ocimum* spp.) awarded best student including post-doc non-industrial poster at the 5th Annual New Crops and New Uses Symposium in Atlanta Georgia, November 2001. (For Juliani’s leading work).
- 2001 Recipient of the All American Selection Award for plant variety release of cv. ‘Magical Michael’ basil. Fast Track Selection. Co-developed with Mario Morales.
- 2001 Journal page cover in Plant Physiology for Research Paper: Gang et al. An Investigation of the storage and biosynthesis of phenylpropenes in sweet basil. *Plant Phys.* 125: 1-17.
- 2000 Journal page cover in J. of Heredity for Research Paper: Phippen & Simon. Anthocyanin Inheritance and Instability in Purple Basil (*Ocimum basilicum* L.). *J. Heredity* 91:289-296.
- 2000 Recipient of the Helen De Conway Little Medal of Honor from the Herb Society of America, Inc. for Exceptional Contributions.
- 1998 Recipient of the All-American Selection Award for the new plant variety release of cv. ‘Sweet Dani’ Lemon basil. Fast Track Selection. Co-developed with Mario Morales.
- 1997 Recipient of the Otto Richter Memorial Lecturer. A national award given by the International Herb Association for life-long contributions of an individual to the herb and botanical industry.
- 1997 Member, Extension Team Award for Contributions to the Purdue-Carrot Road Shows in 1996 to strengthen links with state commodity groups ((outreach/extension program).
- 1997 Epsilon Sigma Phi. National Honorary Extension Fraternity In. International Service Award.
- 1996 Superior Paper Award from Amer. Soc. Agric.Engineers: Benady et al. 1995. Fruit Ripeness Determination by Electronic Sensing of Aromatic Volatiles. *Trans. the ASAE* 38(1):251-257.
- 1996 Invited to join the Scientific Advisory Board for HerbalGram.
- 1995 NewCROP (Simon was co-founder) was awarded and recognized as one of the best Web sites by Yahoo (<http://www.hort.purdue.edu/newcrop/>).
- 1993 Recipient of a Master Agreement License from the National Cancer Institute, NIH, for the Large-Scale Production of Biomass for the Isolation of Agents from Natural Sources (Plant Projects). Sole NCI recipient of this competitive license.
- 1992 Co-Founder of the Purdue Center for New Crops (<http://www.hort.purdue.edu/newcrop/>)
- 1991 Recipient of the First Outstanding Service Award presented by the International Herb Growers and Marketers Association to honor the educational and extension activities serving the herb, spice and medicinal plant industries.
- 1987 The International Authors and Writers Who’s Who. Cambridge, England.
- 1987 Recipient of the Creative Programming Award from the National University Continuing Education Association for the First National Herb Growing and Marketing Conferenc held July, 1986, West Lafayette, IN.
- 1986 Contemporary Authors. Gale Research Company, Detriot, MI. Vol. 118.
- 1985 Recipient of the Oberly Award for Bibliographic Excellence in Agriculture & Related Sciences by the American Library Association, the Associates of the National Agric. Library & Council on Botanical & Horticultural Libraries for scientific reference work, *Herbs: An Indexed Bibliography, 1971-1980, The Scientific Literature on Selected Herbs, and Aromatic and Medicinal Plants of the Temperate Zone.* Simon, J.E. L.E. Craker and A. Chadwick.1984. Archon Books.770 pp.
- 1983 Recipient of the Norman F.Childers graduate Student Presentation Award, Northeast Regional Amer. Soc. Hort. Sci.

6 Research Papers:

6.1. Referreed Papers Peer-Reviewed (copies of papers available, asterisks indicate ^Ggraduate, ^{UG}undergraduate and ^{HS}student):

2023. Patel, H, E.N. Gomes, Q.L Wu, N. Patel, D.Y. Kobayashi, C. Wang and **J.E. Simon**. Volatile metabolites from new cultivars of catnip and oregano (Lamiaceae) as potential antibacterial and insect repellent agents. **Frontiers**: (in press).

2023. Gomes, E.N., H. Patel., B. Yuan, W. Lyu, H.R. Juliani, Q.L. Wu and **J.E. Simon**. Successive harvests affect the aromatic and polyphenol profiles of novel catnip (*Nepeta cataria* L.) cultivars in a genotype-dependent manner. **Front. Plant Sci.** 14:1121582. doi: 10.3389/fpls.2023.1121582
<https://www.frontiersin.org/articles/10.3389/fpls.2023.1121582/full>
2023. Hu, S., **J.E. Simon**, M. Wang, Y. Wu, Y. Huang and Q.L. Wu. Kinkéliba (*Combretum micranthum*) leaf extract alleviates skin inflammation: In-vitro and in-vivo study. **Molecules** 28:1791. <https://doi.org/10.3390/molecules28041791>
2023. Date, M.B., W.C. Rivero, J. Tan, D. Specca, **J.E. Simon**, D.A. Salvi, and M.V. Karwe. Growth of Hydroponic Sweet Basil (*O. basilicum* L.) Using Plasma-Activated Nutrient Solution (PANS). **Agriculture** 13(2), 443; <https://doi.org/10.3390/agriculture13020443>
2023. Seidel, D.K., X. Morin, M. Staffen, R.D. Ludescher, J.E Simon and O. Schofield. Building a Collaborative, University Based Science-in-Action Video Storytelling Model that Translates Science for Public Engagement and Increases Scientists' Relatability. **Frontiers in Communication-Science and Environmental Comm.** 7:1049648. doi: 10.3389/fcomm.2022.1049648
2022. Govindasamy, R., S. Arumugam, M. Hausbeck, A. Wyenandt and **J.E. Simon**. The impact of downy mildew on high-value cucurbit crops in the US: An econometric analysis. **Agricultural Economics Research Review** 35(1):37-44. DOI. 10.5958/0974-0279.2022.00003.9
2022. Arumugam, S., Govindasamy, R., **Simon, J.E.**, E. Van Wyk and B. Ozkan. Market outlet choices for African indigenous vegetables (AIVs): A socio-economic analysis of farmers in Zambia. **J. Agricultural and Food Economics** 10:28. DOI. <https://doi.org/10.1186/s40100-022-00235-6>
2022. González J., A. Lockhart^G, Q.L. Wu, J.E. Simon and A. Toledo. Repellency of novel catnip (*Nepeta cataria*) cultivar extracts against *Ixodes scapularis* and *Haemaphysalis longicornis* (Acari: Ixodida: Ixodidae). **J. Ticks and Tick-borne Diseases**. Sept 15, 2022. <https://doi.org/10.1016/j.ttbdis.2022.102046>.
2022. Merchant^G, E.V., M. Odendo, C. Ndinya, N. Nyabinda, E. Onyango, N. Maiyo, S. Downs, D.J. Hoffman, and J.E. Simon. Barriers and facilitators of African Indigenous Vegetable preparation and consumption: a qualitative exploration. **Frontiers in Sustainable Food Systems**. 6(801527). <https://doi.org/10.3389/fsufs.2022.801527>
2022. Zivkovic A., E.V. Merchant^G, T. Nyawir, D.J. Hoffman, J.E. Simon, S. Downs: Strengthening vegetable production and consumption in a Kenyan informal settlement: a feasibility assessment of a sack garden intervention. **Current Developments in Nutrition**, nzac036. Doi. 10.1093/cdn/nzac036
2022. Govindasamy, R., A. Ayeni, K.M. Kelly, J.E. Simon, W.J. Sciarappa, R.W. Van Vranken, P. Nitzsche, B. Schilling, S.J. Komar and S. Arumugam. Ethnic crop consumption and marketing in the Eastern United States: Trends and prospects. **J. Mediterranean Agric. Sciences** 33(3):155-165. DOI. 10.29136/mediterranean.1163714
2022. Patel^G, H., E.N. Gomes^G, B. Yuan, W. Lyu^G, Q.L. Wu and **J.E. Simon**. Investigation of volatile iridoid terpenes in *Nepeta cataria* L. (catnip) genotypes. **Molecules** Oct 19;27(20):7057. doi: 10.3390/molecules27207057
2022. Yuan, B., D Zhao, R. Du, D. Kshatriya, N.T. Bello, **J.E. Simon** and Q.L. Wu. A highly sensitive ultra-high performance liquid chromatography/tandem mass spectrometry method with in-source fragmentation for rapid quantification of raspberry ketone. **J. Food and Drug Analysis** 27(3):778-78.

2022. Homa^G, K., Barney, W.P., C.A. Wyenandt, D.L. Ward and **J.E. Simon**. Range of susceptibility of selected sweet basil cultivars and lines to *Fusarium oxysporum* f. sp. *basilici*. **Plant Health Progress: Published Online**:25 May 2022<https://doi.org/10.1094/PHP-05-21-0079-RS>
2022. Iban-Arias, R., Sebastian-Valverde, M., Wu, H., Lyu, W., Wu, Q.L., **Simon, J.E.**, and G.M. Pasinetti. Role of Polyphenol-Derived Phenolic Acid in Mitigation of Inflammation-Mediated Anxiety and Depression. *Biomedicines* 2022, 10, 1264. <https://doi.org/10.3390/biomedicines10061264>
2022. Rajmohan N., D.C. Price, T.J. Gianfagna, R. Buckley, S. Komar, B. Bamka, R. Cabrera, J.E. Simon and C.A. Wyenandt. First report of Powdery Mildew caused by *Golovinomyces ambrosiae* on Industrial Hemp (*Cannabis sativa*) in New Jersey. *Plant Disease*: DOI: 10.1094/PDIS-12-21-2657-PDN
2022. Van Doren, W.W., U.H. Iqbal, D.A. Helmer, D.R. Litke, **J.E. Simon**, Q.L. Wu, D. Zhao, Z. Yin^G, L. Ho, O. Osinubi and G.M. Pasinetti. Changes in polyphenol serum levels and cognitive performance after dietary supplementation with Concord grape juice in veterans with Gulf War Illness. **Journal Life Science 119797**: DOI: 10.1016/j.lfs.2021.119797
2022. Mahoney, O., C.Melo, A. Lockhart, N. Cornejal, S. Alsaidi, Q.L. Wu, **J.E. Simon**, R. Juliani, T.M. Zydowsky, C. Priano, A. Koroch and J.A. Fernández Romero. Antiviral activity of *Aframomum melegueta* against severe acute respiratory syndrome coronaviruses type 1 and 2. *South African Journal of Botany* 146:735-739. DOI: /doi.org/10.1016/j.sajb.2021.12.010
2021. Daba, T., A.D. Fall, D.S. Mbacké, A. Sarr, W. Lyu, Q.L. Qingli-Li, J.E. Simon, and E. Bassene. Rapid isolation of vitexin from leaves of kinkeliba, *Combretum micranthum* G. Don. **Journal of Pharmacognosy and Phytochemistry** 10(1):14-16. DOI:10.22271/phyto.2021.v10.i1a.13251
2021. Govindasamy, R., S. Arumugam, Q. Gao, M. Hausbeck, A. Wyenandt and **J.E. Simon**. Downy mildew impacts and control measures on cucurbits in the United States. **Journal of American Society of Farm Managers And Rural Appraisers (ASFMRA)**: 78-88 https://higherlogicdownload.s3.amazonaws.com/ASFMRA/aeb240ec-5d8f-447f-80ff-3c90f13db621/UploadedImages/Journal/2021/MildewImpacts_2021Journal.pdf
2021. Gomes, E.N.; M. Zorde; H. Patel; W. Lyu; Q.L. Wu and J.E. Simon. Chemodiversity in *Nepeta* spp.: A literature review on comparative germplasm studies with focus on iridoids and other terpenes. *Journal of Medicinally Active Plants* 10, (4):82-115. <https://scholarworks.umass.edu/jmap/vol10/iss4/4>
2021. Lyu^G, W., D. Rodriguez, M. Ferruzzi, G.M. Pasinetti, J.W. Murrrough, **J.E. Simon** and Q.L. Wu. Chemistry, Manufacturing and Standardization Controls of Grape Polyphenol Dietary Supplements for Support of a Clinical Study: Mass Uniformity, Polyphenol Dosage and Profile. **Frontiers in Nutrition**: 8:780226. doi: 10.3389/fnut.2021.780226
2021. O'Brien, R., **J.E. Simon**, B. Tepper. How do trained panelists characterize baby leafy greens? A comparison of Descriptive Analysis and Napping. **J. Food Science**: 1–19. DOI: 10.1111/1750-3841.15985
2021. Lyu^G, W., T. Omar, H. Patel^G, D. Rodriguez, M.G. Ferruzzi, G.M. Pasinetti, J.W. Murrrough, F.J. Muzzio, **J.E. Simon** and Q.L. Wu. Dissolution Study of Grape Polyphenol Hard Gelatin Capsule Dietary Supplements. **Frontiers in Nutrition**: 8:780260. doi: 10.3389/fnut.2021.780260
2021. Lyu^G, W., B. Yuan, S. Liu, **J.E. Simon** and Q.L. Wu. Assessment of lemon juice adulteration by targeted screening using LC-UV-MS and untargeted screening using UHPLC-QTOF/MS with machine learning. **J. Food Chemistry** 373(a):131424. <https://doi.org/10.1016/j.foodchem.2021.131424>

2021. Yin^G, Z., B. Yuan, W. Lyu^G, Q. Huang, **J.E. Simon** and Q.L. Wu. Method development and validation for analysis of phenolic compounds in fatty complex matrices using enhanced matrix removal (EMR) lipid cleanup and UHPLC-QqQ-MS/MS. *J. Food Chemistry*: 30;373(Pt A):131096. doi: 10.1016/j.foodchem.2021.131096
2021. Carry^G, E., Kshatriya, D., Silva, J., Davies, D.L., Yuan, B., Wu, Q.L., Patel, H., Park, E.R., Gilleran, J., Hao, L., Roberge, J., Bello, N.T. and **J.E. Simon**. Identification of dihydromyricetin and metabolites in serum and brain associated with acute anti-ethanol intoxicating effects in mice. **International Journal of Molecular Sciences (IJMS)**: 22(14):7460 (pp. 1-14). doi.org/10.3390/ijms22147460.
2021. de Rus Jacquet, A., Ambaw, A., Tambe, M.A., Ma, S.Y., Timmers, M., Grace, M.H., Wu, Q.L., **Simon, J.E.**, McCabe, G.P., Lila, M.A., Shi, R., and J.C. Rochet. Neuroprotective mechanisms of red clover and soy isoflavones in Parkinson's disease models. **J. Food and Function** 12(23):11987-12007. doi: 10.1039/d1fo00007a.
2021. Reichert^G, W., H. Patel^G, C. Mazzei^{UG}, H. Rodolfo Juliani and **J.E. Simon**. Two new high carvacrol yielding oregano (*Origanum vulgare*) cultivars: 'Pierre' and 'Eli'. *HortScience* 56(12):1610–1613. 2021. <https://doi.org/10.21273/HORTSCI14886-20>
2021. Yuan, B., D. Zhao, W. Lyu^G, Z. Yin^G, D. Kshatriya, **J.E. Simon**, N.T. Bello and Q.L. Wu. Development and validation of a micro QuEChERS method with high-throughput enhanced matrix removal followed with UHPLC-QqQ-MS/MS for analysis of raspberry ketone-related phenolic compounds in adipose tissues. **Talanta** 235:122716. <https://doi.org/10.1016/j.talanta.2021.122716>
2021. Brindisi^G, L. C.A. Wyenandt, V. Arora, D. Kenigsbuch, N. Dudai, I. Gonda and **J.E. Simon**. A rapid screening approach to identify chilling tolerant sweet basil (*Ocimum basilicum* L.). **J Medicinally Active Plants** 1177:1-10.
2021. Vasilatis^G, A., T. Gianfagna and **J.E. Simon**. Investigation of growth inhibition by thymol and carvacrol from *Thymus spp.* and *Origanum vulgare* on *Botrytis cinerea*. **J Medicinally Active Plants** 1177:24-31.
2021. Lyu^G, W., B. Yuan, S. Liu, **J.E. Simon** and Q.L. Wu. Assessment of lemon juice quality and adulteration by ultra-high performance liquid chromatography/triple quadrupole mass spectrometry with interactive and interpretable machine learning. **J. Food and Drug Analysis**: 29(2), 275-286. doi:10.38212/2224-6614.3356
2021. Patel^G, M., Lee^G, R., Merchant^G, E.V., Juliani, H.R., **Simon, J.E.**, and B.J. Tepper. 2021. Descriptive aroma profiles of fresh sweet basil cultivars (*Ocimum spp.*): Relationship to volatile chemical composition. **J. Food Science** 1-12.<https://doi.org/10.1111/1750-3841.15797>
2021. Zhang, X., Y.C. Low, M.A. Lawton, **J.E. Simon** and R. Di. CRISPR-editing of sweet basil (*Ocimum basilicum* L.) homoserine kinase gene for improved downy mildew disease resistance. **Front. Genome Ed.** 3:629769. doi: 10.3389/fgeed.2021.629769
2021. Westfall, S, Caracci F, Zhao D, Wu Q.L., Frolinger T, **Simon J.E.**, Pasinetti G. M. Microbiota metabolites modulate the T helper 17 to regulatory T cell (Th17/Treg) imbalance promoting resilience to stress-induced anxiety- and depressive-like behaviors. **Brain Behav. Immun.** 91:350-368. doi: 10.1016/j.bbi.2020.10.013.
2021. Yuan^G, B., W. Lyu^G, F.F. Dinssa, **J.E. Simon** and Q.L. Wu. Free amino acids in African indigenous vegetables: analysis with improved hydrophilic interaction ultra-high performance liquid chromatography tandem mass spectrometry and interactive machine learning. **Journal of Chromatography A**: 1637: 461733 <https://doi.org/10.1016/j.chroma.2020.461733>
2020. Zhen, J., **J.E. Simon** and Q.L. Wu. Total synthesis of novel skeleton flavan-alkaloids. **Molecules** 24:4491:(10 pages). doi:10.3390/molecules25194491

2020. Sharma, P., G. Wu, H. Ye, Y.Y. Lam, D. Kumaraswamy, Q.L. Wu, **J. Simon**, L. Zhao, H. Sampath. Sexually Dimorphic Regulation of Gut Microbiota and Body Weight by a Naturally Occurring Flavonoid. **Current Developments in Nutrition**, Vol 4(2): June 2020, Page 472, https://doi.org/10.1093/cdn/nzaa045_105
2020. **Simon, J.E.**, S. Weller, D. Hoffman, R. Govindasamy, X.K. Morin, E.V. Merchant^G, F.F. Dinssa, E. van Wyk, D. Byrnes^G, M. Odendo, C. Ndinya, H.H.A. Mvungi, J. Ochieng, N. Maiyo, M. Mataa, J. Shindano, H.B. Moonga, J.S. Yaninek, Q.L. Wu, N. Nyabinda, V. Afari-Sefa. Improving Income and Nutrition of Smallholder Farmers in Eastern Africa using a Market-First Science-Driven Approach to Enhance Value Chain Production of African Indigenous Vegetables. **J. Medicinally Active Plants** 9(4):289-309.
2020. Ndinya, C., Dinssa, F., **Simon, J.E.**, Nyabinda, N., Maiyo, N., Weller, S., Odendo, M., Onyango, E., Mwangi, M. and Makete, N. Assessment of Seed Quality of Selected African Leafy Vegetables Produced in Western Kenya using informal and semi-formal seed systems. **J. Medicinally Active Plants** 9(4):269-280.
2020. Sanders^G, M.C.D., Albert O. Ayeni, A.O. and **Simon, J.E.** Comparison of yield and nutritional composition of roselle (*Hibiscus sabdariffa*) genotypes grown in central New Jersey. **J. Medicinally Active Plants** 9(4):242-252.
2020. Mvungi, H.H.A., A. Laizer, P.J. Lukumay, J. Ochieng, G. Ngoteya, F. Dinssa, **J.E. Simon**, R. Govindasamy, C. Ndinya and M. Odendo. 2020. Profitability Analysis of Traditional African Vegetable Seeds Production in Kenya. **J. Medicinally Active Plants** 9(4):281-288.
2020. Govindasamy, R., Kelly, A., Simon, J.E., Van Wyk, E., Weller, S., Ramu, G., and Mbeweu, M. Postharvest handling, processing, value, and marketing of African indigenous vegetables: A case study from Zambia. *Journal of Medicinally Active Plants* 9(4):209-221.
2020. Homa, K., W.P. Barney, W.P. Davis, D. Guerrero, M.J. Berger, J.L. Lopez, C.A. Wyenandt and **J.E. Simon**. Cold plasma treatment strategies for the control of *Fusarium oxysporum* f. sp. basilici in sweet basil. *HortSci*: <https://doi.org/10.21273/HORTSCI15338-20>.
2020. Shi, X., C. Wang, C., **J.E. Simon**, W. Reichert and Q.L. Wu. Repellency of novel catnip oils against the bed bug (Hemiptera: Cimicidae). **J. Medical Entomology** 58(2):528-534. doi: 10.1093/jme/tjaa218
2020. Ribeiro da Silva de Souza^G, L.C. Ming, M.A.L. Santos, **J.E. Simon**, H.R. Juliani, J.C.C. Saad. Effect of the water regimes and harvesting stages in essential oil accumulation in basil plant growing in sandy soil. **Irrigation Science**: <https://doi.org/10.1007/s00271-021-00719-1>
2020. Lyu^G, W., B. Yuan^G, F.F. Dinssa, **J.E. Simon** and Q.L. Wu. Rapid screening of glycoalkaloids in *Solanum scabrum* and *S. nigrum* berries using ultra-high-performance liquid chromatography with pathway-specified-in-source fragmentation tandem mass spectrometry. **Rapid Communications in Mass Spectrometry**. <https://doi.org/10.1002/rcm.8882>.
2020. Govindasamy, R., Q. Gao, J.E. Simon, E. Van Wyk, S. Weller, G. Ramu and M. Mbeweu. An assessment of African Indigenous Vegetables grower's production practices and the environment: a case study from Zambia. **J. Medicinally Active Plants** 9(3):195-208.
2020. Dinssa, F., N. Nyabinda, D.R. Byrnes, C. Ndinya, E.V. Merchant^G and **J.E. Simon**. Performances of vegetable Amaranth entries in yield and nutrient contents in Tanzania and Kenya and variety release **J. Medicinally Active Plants** 9(3):181-194.
2020. Brindisi^G, L., E.V. Merchant^G, B. Eliver, J. Odhiambo, E. Night, T. Nyawir, N. Nyabinda, S. Weller, **J.E. Simon** and D. Hoffman. Comparative nutritional analysis between African Indigenous Vegetables grown by

- urban farmers and those available for purchase in Kibera, Nairobi, Kenya: A Case Study. **J. Medicinally Active Plants** 9(3):166-180.
2020. Somers^G, B.; F.F. Dinssa; Q.L. Wu and **J.E. Simon**. Elemental micronutrients, antioxidant activity, total polyphenol, and total flavonoid content of selected African spider plant accessions (*Cleome gynandra*) grown in eastern Africa and the eastern United States. **J. of Medicinally Active Plants** 9(3):157-165.
2020. Ndinya, C., E. Onyango, F. Dinssa, M. Odendo, **J.E. Simon**, S. Weller, E. Thurairara; N. Nyabinda and N. Maiyo. Participatory variety selection of three African leafy vegetables in western Kenya. **J. of Medicinally Active Plants** 9(3):145-156.
2020. Mataa, M., I.N. Siziya^G, J. Shindano, H.B. Moonga and **J.E. Simon**. 2020. Variation in leaf macro-nutrient and anti-nutrient contents associated with maturity in selected roselle (*Hibiscus sabdariffa*) genotypes. **J. Medicinally Active Plants** 9(3):133-144.
2020. Odendo, M., C. Ndinya-Omboko, E.V. Merchant^G, N. Nyabinda, E. Minyatta-Onyango, N. Maiyo, D. Hoffman and **J. E. Simon**. Do preferences for attributes of African Indigenous Vegetable recipes vary between men and women? A case study from Western Kenya. **J. Medicinally Active Plants** 9(3):126-132.
2020. Ribeiro da Silva de Souza^G, J.V., M.A. Liodorio dos Santos, M.M.P. Sartori, **J.E. Simon**, H.R. Juliani, J.C.C. Saad. Content of basil essential oil on a loam texture soil under water regimes and different harvest stages. **International Journal for Innovation Education and Research** 8(8):250-266. (<https://ijer.net/ijer/article/view/2513>).
2020. Zorde, M., D.R. Byrnes, F.F. Dinssa, S. Weller and **J.E. Simon**. Selection for delayed flowering time in response to long photoperiod to increase vegetative growth and multiple harvests in spider plant (*Cleome gynandra*). **J. Medicinally Active Plants** 9(2):60-70.
2020. Wang, J., D. Zhao, S. Tian, A. Esteban-Fernández, B. Yuan, C. Smith, J. Brathwaite, Z. Jlayer, Q.L. Wu, **J.E. Simon**, K.J. Trageser and G.M. Pasinetti. Prophylactic effect of flavanol rich preparation metabolites in promoting resilience to a mouse model of social stress. **Translational Psychiatry** 10:183 <https://doi.org/10.1038/s41398-020-0859-x>
2020. Yuan^G, B., D. Zhao, D. Kshatriya, N.T. Bello, **J.E. Simon** and Q.L. Wu. UHPLC-QqQ-MS/Ms method development and validation with statistical analysis: Determination of raspberry ketone metabolites in mice plasma and brain. **J. Chromatography B Analyt Technol Biomed Life Sci**: 1149:122146. doi: 10.1016/j.jchromb.2020.122146.
2020. Arumugan, S., R. Govindasamy, **J.E. Simon**, E. Van Wyk., K. Chali, M. Mbewe, I. Siziya, S. Weller and X.K. Morin. African Indigenous Vegetables Production and Consumption Behavior of Farmers in Zambia: An Econometric Analysis. **Technium Social Sciences Journal** 8:220-228.
2020. Zhao, D., B. Yuan^G, D. Kshatriya, A. Polyak^{UG}, **J.E. Simon**, N.T. Bello and Q.L. Wu. Influence of diet-induced obesity on the bioavailability and metabolism of raspberry ketone (4-(4-hydroxyphenyl)-2-butanone) in mice. **Molecular Nutrition and Food Research**: 64(8):doi: 10.1002/mnfr.201900907
2020. Ono, K., D. Zhao, Q.L. Wu, **J.E. Simon**, J. Wang, A. Radu and G.M. Pasinetti. Pine Bark Polyphenolic Extract Attenuates Amyloid- β and Tau Misfolding in a Model System of Alzheimer's Disease Neuropathology. **J Alzheimers Dis.**73(4): 1597-1606. doi: 10.3233/JAD-190543.
2020. Gomes^G, E.N., W. Reichert, A.A. Vasilatis^G, K.A. Allen^G, Q.L. Wu and **J.E. Simon**. Essential oil yield and aromatic profile of lemon catnip and lemon-scented catnip selections at different harvesting times. **J. Medicinally Active Plants** 9(1):21-33. <https://scholarworks.umass.edu/jmap/vol9/iss1/4>.

2020. Hwang, L., L.M Merja^{UG}, **J.E. Simon** and H.R. Juliani. Developing New Natural Plant Products from the Spice *Xylopiya aethiopica* from Ghana and Liberia. **J. Medicinally Active Plants** 9(1):14-20. <https://scholarworks.umass.edu/jmap/vol9/iss1/3>.
2020. Yuan^G, B., F.F. Dinssa, **J.E. Simon** and Q.L. Wu. Simultaneous quantification of polyphenols, glycoalkaloids and saponins in African nightshade leaves using ultra-high performance liquid chromatography tandem mass spectrometry with acid assisted hydrolysis and multivariate analysis. **Food Chemistry** 312: <https://doi.org/10.1016/j.foodchem.2019.126030>.
2020. Zhao D.Y., **J.E. Simon** and Q.L. Wu. A Critical Review on Grape Polyphenols for Neuroprotection: Strategies to Enhance Bioefficacy. **Critical Reviews in Food Science and Nutrition**. 60(4):597-625 (Review paper).
- 2019 (2017). Hwang^G, L.C., G.E. Beyene, H.R. Juliani, M.G. Robson, R.Govindansamy and **J.E. Simon**. Resource Inventory of *Griffonia simplicifolia* in Liberia: A Case Study in the Lepula Community Forest in Nimba County. Special Issue of the **Liberian Studies Journal**: 42 (1, 2): 200-223.
2019. Zhao, D. B. Yuan, D. Kshatriya, A. Polyak, **J.E. Simon**, N. Bello and Q. L. Wu. Bioavailability and Metabolism of Raspberry Ketone with Potential Implications for Obesity Prevention (OR34-05-19). **Curr Dev Nutr**. 2019 Jun; 3(Suppl 1). Published online 2019 Jun 13. doi: 10.1093/cdn/nzz031.OR34-05-19
2019. Ochieng, J. R. Govindasamy, F.F. Dinssa, V. Afari-Sefa and **J.E. Simon**. Retailing traditional African vegetables in Zambia. **Agricultural Economics Research Review** 32(2):175.185. DOI: 10.5958/0974-0279.2019.00030.2
2019. Kshatriya, X. Li, G.M. Giunta, B. Yuan^G, D. Zhao, **J.E. Simon**, Q.L. Wu and N.T. Bello. Phenolic-enriched raspberry fruit extract (*Rubus idaeus*) resulted in lower weight gain, increased ambulatory activity, and elevated hepatic *lipoprotein lipase* and *heme oxygenase-1* expression in male mice fed on a high-fat diet. **Nutrition Research**: 68:19-33. <https://doi.org/10.1016/j.nutres.2019.05.005>
2019. Zhao, D, **J.E. Simon** and Q.L. Wu. A critical review on grape polyphenols for neuroprotection: Strategies to enhance bioefficacy. **Critical Reviews in Food Science and Nutrition**: Jan 7:1-29. doi: 10.1080/10408398.2018.1546668.
2019. Reichert^G, W., J. Ejercito, T. Guda, X. Dong, Q.L. Wu, A. Ray and **J.E. Simon**. Repellency assessment of *Nepeta cataria* essential oils and isolated nepetalactones on *Aedes aegypti*. **Scientific Reports** 9(1):1-9. 1524. DOI: 10.1038/s41598-018-36814-1
2019. Yuan^G, B., D. Byrnes^G F. Dinssa, **J.E. Simon** and Q.L. Wu. Identification of polyphenols, glycoalkaloids and saponins in *Solanum scabrum* berries using HPLC-UV/Vis-MS. **Journal of Food Science**. 84(2): 235-243. <https://doi.org/10.1111/1750-3841.14424>
2019. Yuan^G, B., D. Byrnes^G, F.F. Dinssa, **J.E. Simon** and Q.L. Wu. Quantity assessment of polyphenols, glycoalkaloids and saponins in *Solanum scabrum* berries of different genetic sources and maturity by HPLC/UV-visible/MS methods. **J. Sci. Food and Agriculture** 99:3578-3587. DOI 10.1002/jsfa.9579
2019. Rajmohan, N., C.A. Wyenandt, **J.E. Simon** and T.J. Gianfagna. First report of *Golovinomyces monardae* causing powdery mildew on spearmint in NJ. **Plant Disease**: pdis-03-19-0660-pdn.
2019. Patel, N., D.Y. Kobayashi, A.J. Noto, A.C. Baldwin, **J.E. Simon** and C.A. Wyenandt. First report of *Pseudomonas cichorii* causing bacterial leaf spot on sweet basil (*Ocimum basilicum*) in New Jersey. **Plant Disease**: <https://apsjournals.apsnet.org/doi/10.1094/PDIS-04-19-0895-PDN>.

2019. Wolfson^G, S.J., A.W. Porter, T.S. Villani, **J.E. Simon** and L.Y. Young. Pharmaceuticals and Personal Care Products Can Be Transformed by Anaerobic Microbiomes in the Environment and in Waste-Treatment Processes. **Environmental Toxicology and Chemistry** 38(6) March 2019. DOI: [10.1002/etc.4406](https://doi.org/10.1002/etc.4406).
2019. Yuan, B.^G, D.Y. Zhao, R.Y. Du, D. Kshatriya, N.T. Bello, **J.E. Simon** and Q.L. Wu. A highly sensitive ultra-high performance liquid chromatography/tandem mass spectrometry method with in-source fragmentation for rapid quantification of raspberry ketone. **Journal of Food and Drug Analysis**. 27(3):778-785. Published online: <https://doi.org/10.1016/j.jfda.2018.07.005>
2018. Hoffman, D.J, E. Merchant^G, D.R. Byrnes^G and **J.E. Simon**. Preventing micronutrient deficiencies using African Indigenous Vegetables in Kenya and Zambia. **Sight and Life** 32(2):177-181.
2018. Reichert^G, W., T. Villani, M.H. Pan, C.T. Ho, **J.E. Simon** and Q.L. Wu. Phytochemical Analysis and Anti-Inflammatory Activity of *Nepeta cataria* Accessions. **J. of Medicinally Active Plants** 7(1): 19-27 (and serves as cover photo).
2018. Zhao, D., B. Yuan^G, E. Carry^G, G.M. Pasinetti, L. Ho, J. Faith, I. Mogno, **J.E. Simon**, and Q.L. Wu. Development and validation of an ultra-high performance liquid chromatography/triple quadrupole mass spectrometry method for analyzing microbial-derived grape polyphenol metabolites. **Journal of Chromatography B** 1099: 34-45.
2018. Carry^G, E., D. Zhao, I. Mogno, J. Faith, L. Ho, T. Villani, H. Patel, G.M. Pasinetti, **J.E. Simon**, and Q.L. Wu. Targeted analysis of microbial-generated phenolic acid metabolites derived from grape flavanols by gas chromatography-triple quadrupole mass spectrometry. **Journal of Pharmaceutical and Biomedical Analysis** 159:374-383. DOI: [10.1016/j.jpba.2018.06.034](https://doi.org/10.1016/j.jpba.2018.06.034)
2018. Ho, L., H. Cheng, J. Wang, **J.E. Simon**, Q.L. Wu, D. Zhao, E. Carry^G, M.G. Feruzzi, J. Faith, B. Valcarcel, K. Hao and G.M Pasinetti. A comprehensive database and analysis framework to incorporate multiscale data types and enable integrated analysis of bioactive polyphenols. **Molecular Pharmaceutics**. 15(3):840-850. doi: [10.1021/acs.molpharmaceut.7b00412](https://doi.org/10.1021/acs.molpharmaceut.7b00412)
2018. Ho L, D. Zhao, K. Ono, K. Ruan, I. Mogno, M. Tsuji, E. Carry, J. Brathwaite, S. Sims, T. Frolinger, S. Westfall, P. Mazzola, Q.L. Wu K. Hao, T.E. Lloyd, **J.E. Simon**, J. Faith and G.M. Pasinetti. Heterogeneity in gut microbiota drive polyphenol metabolism that influences α -synuclein misfolding and toxicity. **Journal of Nutritional Biochemistry** 64:170-181.
2018. Yuan^G, B., Byrnes^G D., Giurleo^G D., Villani^G T., **Simon J.E.**, Wu Q.L. Rapid screening of toxic glycoalkaloids and micronutrients in edible nightshades (*Solanum spp.*). 2018. **Journal of Food and Drug Analysis** 26(2):751-760.
2018. Pyne^G, R., J. Honig, J. Vaiciunas, C. Wyenandt and **J.E. Simon**. Population structure, genetic diversity and downy mildew resistance among *Ocimum* species germplasm. **BMC Plant Biology** 23(18):69. Epub2018 Apr 23.
2018. Hwang^G, L.C., H.R. Juliani and **J.E. Simon**. Assessing Traditional and Sustainable Harvesting Methods on the Collection of Two Leading Non-Timber Forest Products - *Griffonia simplicifolia* and *Xylopia aethiopica* - In Liberia. **Sustainable Food Production** Vol. 4:1-10.
2018. Wyenandt, C.A., L.R. Maimone, K. Homa^G, A. Madeiras, R.L. Wick and **J.E. Simon**. Detection of the downy mildew pathogen on seed of basil following field infection in southern New Jersey. **HortTechnology** 28(5):637-641. DOI: [10.21273/HORTTECH03849-17](https://doi.org/10.21273/HORTTECH03849-17)
2018. Wolfson^G, S.J., A.W. Porter, T.S. Villani, **J.E. Simon** and L.Y. Young. The antihistamine diphenhydramine is demethylated by anaerobic wastewater microorganisms. **Chemosphere** 202:460-466.

2018. Juliani, H.R., D. Kolleh, L.C. Hwang^G, T.V.K. Brown Sr., C.K. Mulbah, D.L. Jordan, P.G.S. Ndaloma, C.E. Farin, B. Thapa, M. Kesselman, R. Govindasamy, A. Ayeni, A. Busia, O. Alidou, R. Horton, L. Tucker, M.G. Robson and **J.E. Simon**. Developing a revised and modernized curriculum for Cuttington University's College of Agriculture and Sustainable Development (CASD): A collaborative effort between Rutgers, North Carolina State and Cuttington Universities. Special Issue of the **Liberian Studies Journal** 43(1 and 2):158-188.
2017. Pyne^G, R., J. Honig, J. Vaiciunas, S. Bonos, C.A. Wyenandt, and **J.E. Simon**. A first linkage map and downy mildew resistance QTL discovery for sweet basil (*Ocimum basilicum*) facilitated by double digestion restriction site associated DNA sequencing (ddRADseq). **PLoS ONE**: 12(9):e0184319 (<https://doi.org/10.1371/journal.pone.0184319>).
2017. Welch^G, C., Zhen^G, J., Bassène E., Raskin I., **J.E. Simon**, and Wu Q.L. Bioactive polyphenols in Kinkéliba tea (*Combretum micranthum*) and their glucose-lowering activities. **Journal of Food and Drug Analysis**:1-10.
2017. Zhen^G, J., Y. Dai, T. Villani^G, D. Giurleo^G, **J.E. Simon** and Q.L. Wu. Synthesis of novel flavonoid alkaloids as α -glucosidase inhibitors. **J. Bioorganic & Medicinal Chemistry**: 26(2):487-496. DOI: [10.1016/j.bmc.2017.07.055](https://doi.org/10.1016/j.bmc.2017.07.055)
2017. Chen T.Y., Ferruzzi M.G., Wu Q.L., **Simon J.E.**, Talcott S.T., Wang J., Ho L., Todd G., Cooper B., Pasinetti G.M. and Janle E.M. Influence of Diabetes on Plasma Pharmacokinetics and Brain Bioavailability of Grape Polyphenols and their Phase II Metabolites in the Zucker Diabetic Fatty Rat. **Molecular Nutrition and Food Research** 61(10): 170011. doi: 10.1002/mnfr.201700111.
2017. **Simon, J.E.**, E.A. Decker, M.G. Ferruzzi, M.M. Giusti, C.D. Mejia, M. Goldschmidt and S.T. Talcott, 15. Establishing standards on colors from natural sources. **J. Food Science**: 82(11): doi: 10.1111/1750-3841.13927 [and serves on Journal cover]
2017. Koroch, A.R., **J.E. Simon**, H. R. Juliani. Essential Oil Composition of Purple Basils, Their Reverted Green Varieties (*Ocimum basilicum*) and Their Associated Biological Activity. **Journal of Industrial Crops and Products** 107: 526-530.
2017. Park, J.W., S.W. Lee, **J.E. Simon** and M.M. Haggblom. A novel molecular diagnostic tool for detection of *Ilyonectria radicola*, casual agent of root rot disease of ginseng. **Journal of Medicinally Active Plants** 5(2): 20-27.
2017. Hoffman, D., T. Cacciola^{UG}, P. Barrios^G and **J.E. Simon**. 2017. Temporal changes and determinants of childhood nutritional status in Kenya and Zambia. **J. Health, Population and Nutrition** 36:27-13 pp. (DOI 10.1186/s41043-017-0095-z).
2017. Byrnes^G, D.R., F.F. Dinssa, S.C. Weller, and **J.E. Simon**. Elemental micronutrient content and horticultural performance of various vegetable Amaranth genotypes. **J. Amer. Soc. Hort. Sci.** 142(4):265-271. DOI:10.21273/JASHS04064-17.
2017. Jin^G, L., J. Haviland-Jones, **J.E. Simon** and B.J. Tepper. Influence of aroma intensity and nasal pungency on the 'mood signature' of common aroma compounds in a mixed ethnic population. **Food Quality and Preference** <https://doi.org/10.1016/j.foodqual.2017.10.017>
2017. Govindasamy, R., K. Kelley, and **J.E. Simon**. Demographic Analysis of Ethnic Greens and Herbs Consumers. **J. American Soc. of Farm Managers and Rural Appraisers**: 43-55.
2017. Licayan, R.I., Del Rosario, R.M., Palmes, N.D., **Simon, J.E.** and H. R. Juliani. Physical and Chemical properties, Composition and Cytotoxic Activities of Essential Oils of Philippine Medicinal Plants. **Journal of Medicinally Active Plants** 5(2):28-35.

2017. Ayua^G E., Mugalavai V., **J. Simon**, S. Weller, P. Obura and N. Nyabinda. Comparison of a Mixed Modes Solar Dryer to a Direct Mode Solar Dryer for African Indigenous Vegetable and Chili Processing. **J. Food Processing and Preservation** DOI: 10.1111/jfpp.13216.
2016. Sciarappa, W.J., **J. Simon**, R. Govindasamy, K. Kelley, F. Mangan, S. Zhang, S. Arumugam, P. Nitzsche, R. VanVranken, S. Komar, A. Ayeni, G. McAvoy, C. Park, W. Reichert, D. Byrnes, Q. Wu and B. Schilling. Asian Crops overview: Consumer preference and cultivar growth on the East Coast of the United States. **HortScience** 51(11):1344-1350.
2016. Zhen^G, J., T.S. Villani^G, Y. Guo, Y. Qi, K. Chin, M.H. Pan, C.T. Ho, **J.E. Simon*** and Q.L. Wu. Phytochemistry, antioxidant capacity, total phenolic content and anti-inflammatory activity of *Hibiscus sabdariffa* leaves. **J. Food Chemistry** 190: 673-680 (Published online).
2016. Reichert^G, W., C.H. Park, H.R. Juliani and **J.E. Simon**. Development of *Nepeta cataria* L. 'CR9', a New Aromatic High yielding Z,E Nepetalactone Cultivar. **HortScience**: 51:588-591.
2016. Homa^G, K., W.P. Barney, D. Ward, C.A. Wyenandt and **J.E. Simon**. Morphological characteristics and susceptibility of basil species and varieties to *Peronospora belbahrii*. **HortScience**: 51(11):1389-1396.
2016. Ayua^G, E., V. Mugalavai, **J.E. Simon**, S. Weller, P. Obura and N. Nyabinda. Ascorbic acid content in leaves of Nightshade (*Solanum* spp.) and spider plant (*Cleome gynandra*) varieties grown under different fertilizer regimes in western Kenya. **African J. of Biotech** 15(7):199-206.
2016. Torlon^G, J.L., J.R. Heckman, **J.E. Simon** and C.A. Wyenandt. Silicon soil amendments for suppressing powdery mildew on pumpkin. **Sustainability** 8:293-301.
2015. Zhen, J., Y. Guo, T. Villani^G, S. Carr, T. Brendler, D.R. Mumbengegwi, A.N.T. Kong, **J.E. Simon** and Q.L. Wu. Phytochemical Analysis and Anti-Inflammatory Activity of the Extracts of the African Medicinal Plant, *Ximenia caffra*. **J. Anal. Methods Chemistry** 2015:1-9.
2015. Pyne, R.M., A.R. Koroch, C.A. Wyenandt and **J.E. Simon**. 2015. Inheritance of Resistance to Downy Mildew in Sweet Basil. **J. American Society for Horticultural Science** 140(5):396-403.
2015. Wyenandt, C.A., **J.E. Simon**, R.M. Pyne^G, K. Homa^G, M.T. McGrath, S. Zhang, R.N. Raid, L.J. Ma, R. Wick, L. Guo, and A. Madeiras. Basil downy mildew (*Peronospora belbahrii*): Discoveries and challenges relative to its control. **Phytopathology** 105:885-894.
2015. Fan, H., Q.L. Wu, **J.E. Simon**, S.N. Lou and C.T. Ho. 2015. Authenticity analysis of citrus essential oils by HPLC-UV-MS on oxygenated heterocyclic components. **Journal of Food and Drug Analysis** (23):30-39.
2015. Villani^G, T.S., H. Patel^{UG}, J. Zhen^G, A. R. Koroch and **J.E. Simon**. 2015. Microscopy for Quality Assessment of Bilberry Fruit (*Vaccinium myrtillus* L.). **Journal of Medicinally Active Plants** 4 (Issue 1-2):8-15. Available at: <http://scholarworks.umass.edu/jmap/vol4/iss1/3>
2015. Villani^G, T.S., W. Reichert^G, M.G. Ferruzzi, G.M. Pasinetti, **J.E. Simon** and Q.L. Wu. Chemical investigation of commercial grape seed derived products to assess quality and detect adulteration. **J. Food Chemistry** 170:271-280.
2015. Johnson^G, M., T.S. Villani^G, A. Azmat, **J.E. Simon** and A.J. Both. Evaluation of algal biomass production on vertical aeroponic substrates. **Algal Research** 07/2015. DOI:10.1016
2015. Fatima^{UG}, A., T.S. Villani^G, S. Komar, **J.E. Simon** and H.R. Juliani. 2015. Quality and chemistry of niger seeds (*Guizotia abyssinica*) grown in the United States. **Industrial Crops and Products** 75(B):40-42.

2014. Pyne^G, R.M., A. Koroch, A. Wyenandt and **J.E. Simon**. A rapid screening approach to identify resistance to basil downy mildew (*Peronospora belbahrii*). **HortScience** 49 (8):1-5.
2014. Strathearn, K.E., G.G. Yousef, M.H. Grace, S.L. Roy, M.A. Tambe, M.G. Ferruzzi, ^[L]^[SEP]Q.L. Wu, **J.E. Simon**, M.A. Lila and J.C. Rochet. Neuroprotective effects of anthocyanin- and proanthocyanidin-rich extracts in cellular models of Parkinson's disease. **Brain Res.** 1555:60-77.
2014. Homa^G, K., W.P. Barney, D.L. Ward, C.A. Wyenandt and J.E. Simon. 2014. Evaluation of fungicides for the control of *Peronospora belbahrii* on sweet basil in New Jersey. *Plant Dis.* 89:1561-1566.
2014. Sims^G, C.A., H.R., S.R. Mentreddy and **J.E. Simon**. Essential Oils in Holy Basil (*Ocimum tenuiflorum*) as influenced by planting dates and harvest times in North Alabama. *J. of Medicinally Active Plants* 2(3):33-41.
2013. Koroch, A.R., T.S. Villani^G, R.M. Pyne^G and **J.E. Simon**. Rapid staining method to detect and identify downy mildew (*Peronospora belbahrii*) in basil. **Applications in Plant Sciences** 1(7):1300032. – 4pp (publication is permanently archived; <http://dx.doi.org/10.3732/apps.1300032>, selected by the journal for a press release).
2013. Villani^G, T.S., A.R. Koroch and **J.E. Simon**. An improved clearing and mounting solution to replace choral hydrate in microscopic application. **Applications in Plant Sciences** 1(5): 1300016- 5 pp. (publication is permanently archived; <http://www.bioone.org/doi/full/10.3732/apps.1300016>, and selected by the journal for a press release. A Rutgers patent has been submitted on this invention, listed in detail elsewhere).
2013. Eisenman^G, S.W., H. R. Juliani, L. Struwe and J. E. Simon. Essential oil diversity in North American wild tarragon (*Artemisia dracunculus* L.) with comparisons to French and Kyrgyz tarragon. **J. Industrial Crops and Products** 49:220-232.
2013. Wang, J., C. Tang, M.G. Ferruzzi, B. Gong, B.J. Song, E.M. Janle, T.Y. Chen, B. Cooper, M. Varghese, A. Cheng, D. Freire, J. Roman, T. Nguyen, L. Ho, S.T. Talcott, **J.E. Simon**, Q. Wu and G. M. Pasinetti. Role of standardized grape polyphenol preparation as a novel treatment to improve synaptic plasticity through attenuation of features of metabolic syndrome. **Molecular Nutrition and Food Research** Mol Nutr Food Res. 57(12):2091-102. Aug 21. doi: 10.1002/mnfr.201300230.
2013. Coppin^G, J.P., Y.P. Xu^G, H. Chen, M.H. Pan, C.T. Ho, H.R., Juliani, **J.E. Simon** and Q.L. Wu. Determination of flavonoids by LC/MS and anti-inflammatory activity in *Moringa oleifera*. **J. Functional Foods** 5(4):1892-1899.
2013. Ho, L, M.G. Ferruzzi, E.M. Janle, J. Wang, B. Gong, T.Y. Chen, J. Lobo, B. Cooper, Q.L. Wu, S.T. Talcott, S.S. Percival, **J.E. Simon** and G.M. Pasinetti. Identification of brain-targeted bioactive dietary quercetin-3-O-glucuronide as a novel intervention for Alzheimer's disease. **FASEB J.** 27(2): 769-781.
2013. Kesselman, M., C. Wu, L. Palumbo, **J. Simon**, H.R. Juliani and R. Row. Community Knowledge centers for Liberia: meeting African's millennium goals through a unique collaboration of communities, universities, libraries, and schools for Liberian economic and social development. **Library Hi Tech News.** 10/2103: 30(8). DOI:10.1108/LHTN-07-2013-0045.
2012. Wang, J., M.G. Ferruzzi, L. Ho, J. Blount, E.M. Janle, B. Gong, Y. Pan, D. Rafferty, I. Arrieta-Cruz, V. Sharma, B. Cooper, J. Lobo, **J.E. Simon**, C. Zhang, A. Cheng, X. Qian, K. Ono, D.B. Teplow, C. Pavlides, R.A. Dixon and G.M. Pasinetti. Brain-targeted proanthocyanidin metabolites for Alzheimer's disease treatment. **J. Neuroscience** 32(15): 5144-5150.
2012. Xu^G, Y., **J.E. Simon**, M.G. Ferruzzi, L. Ho, G.M. Passinetti and Q.L. Wu. Quantification of anthocyanidins in the grapes and grape juice products with acid assisted hydrolysis using LC/MS. **Journal of Functional Food** 4:710-717.

2012. Govindasamy, R., V. Puduri and **J.E. Simon**. The US Hispanic consumers' perception towards buying country of origin labeled ethnic produce. **The IUP Journal of Management Research**, 11:50-65.
2012. Govindasamy, R., V. Puduri, K.M. Kelley, and **J.E. Simon**. Ethnic respondents increased purchases of locally grown ethnic greens and herbs because of concerns about food miles. **Journal of Food Distribution Research** 43(3): 61-73.
2012. Nahm^G, H.S., H.R. Juliani and **J.E. Simon**. Effect of selected synthetic and natural Antioxidants on the oxidative stability of shea butter (*Vitellaria paradoxa* subsp. *paradoxa*). **J. Medicinally Active Plants** 1(2):69-75 (selected by journal to be featured on cover).
2011. Xu^G, Y., **J.E. Simon**, C. Welch^G, J.D. Wightman, M. Feruzzi, L. Ho, G.M. Pasinetti and Q.L. Wu. Survey of polyphenol constituents in grapes and grape derived products. **J. Agricultural and Food Chemistry**: 59(19):10586–10593.
2011. Shen^G, D., Q.L. Wu, W.J. Sciarappa and **J.E. Simon**. Chromatographic fingerprints and quantitative analysis of isoflavones in Tofu-type soybeans. **J. Food Chemistry** 130(4):1003-1009.
2011. Wu, Q.L., Y.H. Yang and **J.E. Simon**. Chemical profiling and quantification of isoflavones in kudzu by LC/UV/MS. **American J. Analytical Chemistry**: 2(6): 665-674.
2011. Shen^G, D., M.H. Pan, Q.L. Wu, C.H. Park, H.R. Juliani, C.T. Ho and **J.E. Simon**. A rapid LC/MS/MS method for the analysis of non-volatile anti-inflammatory agents from *Mentha* spp. **J. Food Science**: 76(6): 900-908.
2011. Malatova, K., N. Hitimana, T. Niyibizi, H.R. Juliani and **J.E. Simon**. Optimization of harvest regime and post-harvest handling in geranium production to maximize essential oil yield in Rwanda. **Journal of Industrial Crops and Products**: 34(2): 1348-1352.
2011. Govindasamy, R., V. S. Puduri and **J. E. Simon**. Willingness to Buy New Ethnic Produce Items: A Study of Latino Consumers from Mexico and Puerto Rico in the Eastern United States. **HortTechnology** 21: 202-207.
2011. Jedinak, A., S. Dudhgaonkar, Q.L. Wu, **J.E. Simon** and D. Sliva. Anti-inflammatory activity of edible oyster mushroom is mediated through the inhibition of NF-kB and AP-1 signaling. **BMC Nutrition Journal** 10:52-61.
2010. Govindasamy, R., V. S. Puduri and **J.E. Simon**. Hispanic Consumers' Perceptions towards Organically grown Ethnic Produce: A Logistic Analysis. **African Journal of Agricultural Research** 5(24): 3464-3469.
2010. Wyenandt, C.A., **J.E. Simon**, M.T. McGrath, and D.L. Ward. Susceptibility of Basil Cultivars and Breeding Lines to Downy Mildew (*Peronospora belbahrii*). **HortScience** 45(9): 1416 - 1419.
2010. Shen^G, D., M.H. Pan, Q.L. Wu, C.H. Park, H.R. Juliani, C.R. Welch^G and **J.E. Simon**. Identification of the anti-inflammatory bioactive compounds in oregano (*Origanum* spp.) and their simultaneous quantitation by LC/MS. **J. Agric. Food Chemistry** 58(12):7119-7125.
2010. Vingtdeux, V., L. Giliberto, H. Zhao, P. Chandakkar, Q.L. Wu, **J.E. Simon**, E.M. Janle, J. Lobo, M.G. Ferruzzi, P. Davies and P. Marambaud. AMP-activated protein kinase signaling activation by resveratrol modulates amyloid- β peptide metabolism. **Journal Biological Chemistry** 285(12):9100-9113.
2010. Park, S.H., S.N. Ryu, Y. Bu, H. Kim, **J.E. Simon** and K.S. Kim. Antioxidant Components as Potential Neuroprotective Agents in Sesame (*Sesamum indicum* L.). **Food Reviews International** 26:103-121.

2010. Mun^G, J.G., M.D. Grannan, P.J. Lachcik, R.B. Rogers, G.G. Yousef, M.H. Grace, E.M. Janle, Q.L. Wu, **J.E. Simon**, C.M. Weaver and M.A. Lila. Tracking Deposition of a ¹⁴C-Radiolabeled Kudzu (*Pueraria* spp.) Hairy Root-Derived Isoflavone-Rich Fraction into Bone. **Exp Biol Med** 235(10):1224-35.
2010. Weaver, C.M., S. Barnes, J.M. Wyss, H. Kim, D.M. Morre, D.J. Morre, **J.E. Simon**, M.A. Lila, E.M. Janle and M.G. Ferruzzi. Research highlights from the Purdue-UAB Botanicals Research Center for Age-Related Diseases. **NPHB Pharmaceutical Biology** 47:768-773.
2010. Govindasamy, R., R. VanVranken, W. Sciarappa, A. Ayeni, V. S. Puduri, K. Pappas, **J.E. Simon**, F. Mangan, M. Lamberts and G. McAvoy. Ethnic Crop Opportunities for Growers on the East Coast: A Demand Assessment. **Journal of Extension** 48(6): 9 pages [Article Number 6RIB2].
http://www.joe.org/joe/2010december/pdf/JOE_v48_6rb2.pdf
2010. Govindasamy, R., R. VanVranken, W. Sciarappa, A. Ayeni, V. S. Puduri, K. Pappas, **J.E. Simon**, F. Mangan, M. Lamberts and G. McAvoy. 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.
2010. Koroch, A.R., H.R. Juliani, C. Sims^G and **J.E. Simon**. 2010. Antioxidant activity, total phenolics and rosmarinic acid content in different basil (*Ocimum* spp.). **Israel J. Plant Science** 58:191–195. DOI: 10.1560/IJPS.58.3-4.19
2010. Koroch, A.R., W. Wang, P.T. Michael, N. Dudai, **J.E. Simon** and F.C. Belanger. 2010. Estimation of nuclear DNA content of cultivated *Ocimum* species by using flow cytometry. **Israel J. Plant Science** 58:183-189. DOI: 10.1560/IJPS.59.3-4.18.
2009. Ferruzzi, M.G., J. K. Lobo, E. Janle, B. Cooper, **J.E. Simon**, Q.L. Wu, C. Welch^G, L. Ho, C. Weaver and G.M. Pasinetti. Bioavailability of gallic acid and catechins from grape seed polyphenol extract is improved by repeated dosing in rats: implications for treatment in Alzheimer's disease. **Journal of Alzheimer Disease**: 18(1):113-124.
2009. Juliani, H.R., C.R. Welch^G, Q.L. Wu, B. Diouf, D. Malainy and **J.E. Simon**. Chemistry and quality of hibiscus (*Hibiscus sabdariffa*) for developing the natural product industry in Senegal. **Journal of Food Science**: 74(2):S113-S121.
2009. Wang^GY., H.R. Juliani, **J.E. Simon** and C.T. Ho. 2009. Amino acid-dependent formation pathways of 2-acetylfuran and 2,5-dimethyl-4-hydroxy-3[2H]-furanone in the Maillard reaction. **Food Chemistry**: 115(1): 233-237.
2008. Kim, H.R., R. Rajaiah, Q.L. Wu, S.R. Satpute, M.T. Tan, **J.E. Simon**, B.M. Berman and K.D. Moudgil. Modulation of autoimmune arthritis by polyphenols of green tea (*Camellia sinensis*) involves the suppression of pro-inflammatory IL-17 and the induction of immunoregulatory IL-10 cytokine response. **Journal of Nutrition** 138: 2111-2116.
2008. Lee, S.W., G.S. Kim, C.H. Park, **J.E. Simon** and K-S. Kim. Difference in ginsenoside contents in roots cultivated under blue and red polyethylene shading net in *Panax ginseng* C.A. Meyer. **Korean J. Crop Sci.** 53(S):103-107.
2008. Weaver, C., S. Barnes, J.M. Wyss, H. Kim, D.M. Morre, D.J. Morre, **J.E. Simon**, M.A. Lila, E.M. Janle and M.G. Ferruzzi. Botanicals for age related diseases: from field to practice. **American Journal of Clinical Nutrition** 87:493-497.
2008. Welch^G, C, Q.L. Wu and **J.E. Simon**. Recent advances in anthocyanin analysis and characterization. **Current Analytical Chemistry** 4:75-101.

2008. Juliani, H.R., **J.E. Simon**, C. Quansah, E. Asare, R. Akromah, D. Acquaye, J. Asante-Dartey, M.L.K. Mensah, T.C. Fleischer, R. Dickson, K. Annan and A.Y. Mensah. Chemical diversity of *Lippia multiflora* from West Africa. **J. Essential Oil Research** 20(1):49-55.
2007. Koroch, A., C. Park, J. Kapteyn^G, H. Juliani and **J. Simon**. In vitro shoot multiplication of *Echinacea purpurea*. **J. Herbs, Spices and Medicinal Plants**:13(4): 105-110.
- 2007 Cheng^G, K.W., Q.L. Wu, Z. Zheng, X.F. Peng, **J.E. Simon**, F. Chen and M. Wang. Inhibitory effect of fruit extracts on the formation of heterocyclic amines. **Journal of Agricultural and Food Chemistry** 55: 10359-10365.
2007. Wu, Q.L., Y.H. Yang and **J.E. Simon**. Determination of Proanthocyanidins in Areca Nuts by High-performance Liquid Chromatography Combined with Mass Spectrometry, **Chemistry and Biodiversity** 4: 2817-2826.
2007. Davidovich-Rikanati, R., Y. Sitrit, Y. Tadmor, Y. Iijima, N. Bilenko, E. Bar, B. Carmona, E. Fallik, N. Dudai, **J.E. Simon**, E. Pichersky and E. Lewinsohn. Enrichment of tomato aroma and taste by diversion of the early plastidial terpenoid pathway. **Nature Biotechnology** 25(8):899-901.
2007. Ekanem, A.P., M. Wang, **J.E. Simon** and D.A. Moreno. Antiobesity properties of two African plants (*Afromomum meleguetta* and *Spilanthes acmella*) by pancreatic lipase inhibition. **Phytotherapy Research** 21(12):1253-1255.
2007. Wang, M., K.W. Cheng, Q.L. Wu and **J.E. Simon**. Quantification of nepetalactones in catnip (*Nepeta cataria* L.) by HPLC coupled with ultraviolet and mass spectrometric detection. **Phytochemical Analysis** 18(2): 157-160.
2007. Govindasamy, R., B. Onyango, V. Puduri, J. Simon, H.R. Juliani, J. Asante-Dartey, H. Arthur, B. Diawuo, D. Acquaye. Impediments to Marketing African Natural Products from Ghana: Preliminary Results. **The ICFAI Journal of Agricultural Economics** 4:24-35.
2006. Deschamps^G, C. and J.E. Simon. Terpenoid essential oil metabolism in basil (*Ocimum basilicum* L.) following elicitation. **J. Essential Oil Res.** 18:618-621.
2006. Koroch, A.R., M.S. Torres, H.R. Juliani, J.E. Simon and J.F. White. Host nutrient adaptation in two symbiotic fungi: *Balansia henningsiana* and *Hypocrella phyllogena* (Clavicipitaceae; Ascomycetes). **Symbiosis** 42:39-44.
2006. Juliani, H.J., A. Koroch, J.E. Simon, N. Hitimana, A. Daka, L. Ranarivelo and P. Langenhoven. Quality of Geranium oils (*Pelargonium* Species): Case Studies in Southern and Eastern Africa. **J. Essent. Oil Res.**, 18: 116-121.
2006. Shen^G, D.D., Q.L. Wu, M. Wang, Y-H. Yang, E. Lavoie and J.E. Simon. Quantification of the predominant catechins in leaves of *Acacia catechu* by LC/ESI-MS. **J. Agric. and Food Chem**: 54: 3219-3224.
2006. Deschamps^G, C., D. Gang, N. Dudareva, and J.E. Simon. 2006. Developmental regulation of phenylpropanoid biosynthesis in leaves and glandular trichomes of basil (*Ocimum basilicum* L.). **Int. J. Plant Science** 167(3):447-454.
2006. Domínguez^G, F., X. Lozoya and J.E. Simon. Tissue culture regeneration of a medicinal plant from Mexico: *Piper auritum* Kunth. **HortScience** 41(1): 207-209.
2006. Juliani H.R., J. Kapteyn^G, D. Jones, A. R. Koroch, O. Behra, L. Ranarivelo, A. Y. Mensah, C. Quansah, D. Acquaye, D. Charles, M. Wang, H. Moharram and J.E. Simon. Applications Using Near Infrared

Spectroscopy in Quality Control and Adulteration of African essential oils. **Phytochemical Analysis**: 17:121-128.

2006. Vieira^G, R.F. and **J.E. Simon**. Chemical characterization of basil (*Ocimum* spp.) based on aromatic volatiles. **Flavor and Fragrance Journal**: 21:214-221.

2005. Wang, M., C.H. Park, Q.L. Wu, and **J.E. Simon**. Analysis of artemisinin in *Artemisia annua* L. by LC-MS with selected ion monitoring. **Journal Agric. Food Chem.** 53: 7010-7013.

2005. Wu, Q.L., M. Wang and **J.E. Simon**. Determination of proanthocyanidins in fresh grapes and grape products using liquid chromatography with mass spectrometric detection. **Rapid Communications in Mass Spectrometry** 19: 2062-2068.

2005. Park, C.H., W.B. Phippen^G, **J.E. Simon**, S.B. Namkoong and N.S. Seong. Enhancement of in vitro regeneration of several *Ocimum* species and varieties. **Korean. J. Plant Research** 8(3): 275-280.

2004. Grayer, R.J., R.F. Vieira^G, A.M. Proce, G.C. Kite, **J.E. Simon**, A.J. and Paton. Characterisation of cultivars within species of *Ocimum* by exudates flavonoid profiles. **Biochemical Systematics and Ecology** 32: 901-913.

2004. Wu, Q.L., M. Wang and **J.E. Simon**. Analytical methods to determine phytoestrogenic compounds. **Journal of chromatography B** 812: 325-355.

2004. Wu, Q.L., M. Wang, B. Sciarappa and **J.E. Simon**. LC/UV/ESI-MS Analysis of Isoflavones in Edamame and Tofu Soybeans, **Journal of Agriculture and Food Chemistry** 52:2763-2769.

2004. Liang^G, C.P., M.Wang, **J.E. Simon** and C.T. Ho. Antioxidant activity of plant extracts on the inhibition of citral off-odor formation. **Molecular Nutrition & Food Research**: 48, 308-317.

2004. Ekanem, A.P., M. Wang, **J.E. Simon**, A.I. Obiekezie and F. Morah. In vivo and in vitro activities of the seed extract of *Piper guineense* Schum. and Thonn. against skin and gill monogenean parasites of goldfish (*Carassius auratus auratus*). **Phytotherapy Research** 18: 793-797.

2004. Koroch, A., H. Juliani, J. Bischoff, E. Lewis, G. Bills, **J.E. Simon** and J. White, Jr. Examination of Plant Biotrophy in the scale insect parasitizing fungus *Dussiella tuberiformis* **Symbiosis**: 37(1-3):267-280.

2004. Juliani, H.R., J.A. Zygadlo, R. Scrivanti, E.de L Sota and **J.E. Simon**. The essential oil of *Anemia tomentosa* (Savigny) Sw. var. *anthriscifolia* (Schrad.) Mickel. **Flavor and Fragrance Journal** 19:541-543.

2003. Wang, M., Y. Tadmor, Q.L. Wu, C.K. Chin, S.A. Garrison and **J.E. Simon**. Quantification of protodioscin and rutin in asparagus shoots by LC/MS and HPLC methods. **J. Agric. and Food Chemistry**: 51: 6132-6136.

2003. Wu, Q.L., M. Wang and **J.E. Simon**. Determination of Isoflavones in Red Clover and Related Species by High-Performance Liquid Chromatography Combined with Ultraviolet and Mass Spectrometric Detection. **J. Chromatography A**: 1016:195-209.

2003. Wu, Q.L., M. Wang and **J.E. Simon**. Determination of proanthocyanidins in grape products by LC/MSD under low collision energy, **Analytical Chemistry** 75:2440-2444.

2003. Wang, M., Y. Tadmor, I.F. Aviles, **J.E. Simon**, K. He and Q.Y. Zheng. Analysis of antioxidative phenolic compounds in artichoke (*Cynara scolymus* L.). **J. Agricultural and Food Chemistry** 51:611-618.

2003. Vieira^G, R.F., P. Goldsbrough, and **J.E. Simon**. Genetic Diversity of Basil (*Ocimum* spp.) Based on RAPD markers. **J. Amer. Soc. Hort. Sci.** 128(1):94-99. 2003.

2003. Koroch, A.R., J. Kapteyn^G, H.R. Juliani and **J.E. Simon**. *In vitro* regeneration of *Echinacea pallida* from leaf explants. **In Vitro Cell. Dev. Biol-Plant** 39:415-418.
2003. Park, C.H., H.R. Juliani, H.W. Park, H.S. Yu and **J.E. Simon**. Comparison of essential oil composition between *Angelica gigas* and *Angelica acutiloba*. **Korean J. Plant Res.** 6(3) 183-187.
2002. Kapteyn^G, J., P. B. Goldsbrough and **J.E. Simon**. 2002. Genetic relationships and diversity of commercially relevant *Echinacea* species. **Theoretical and Applied Genetics**: 105:369-376.
2002. Koroch, A., H.R. Juliani, J. Kapteyn^G and **J.E. Simon**. *In vitro* regeneration of *Echinacea purpurea*. **Plant Cell, Tissue and Organ Culture** 69:79-83.
2002. Gang, D.R., **J.E. Simon**, E. Lewinsohn and E. Pichersky. Peltate glandular trichomes of *Ocimum basilicum* L. (Sweet Basil) contain high levels of enzymes involved in the biosynthesis of phenylpropenes. **J. Herbs, Spices and Medicinal Plants** 9(No.2/3):189-195.
2002. Destailats, F., J. Arul, **J.E. Simon**, R.L. Wolff and P. Angers. Dibutyrate derivatization of monoacylglycerols for the resolution of regio-isomers of oleic, petroselinic and *cis*-vaccenic acids. **Lipids** 37: 111-116.
2002. Dechamps^G, C. and **J.E. Simon**. *Agrobacterium tumefaciens*-mediated transformation of *Ocimum basilicum* and *Ocimum citriodorum*. **Plant Cell Reports** 21:359-364.
2002. Rozzi, N.L., W. Phippen^G, **J.E. Simon**, and R.K. Singh. Supercritical fluid extraction of essential oil components from lemon-scented botanicals. **Lebensm.-Wiss. U—Technol.** 35:319-324.
2002. Zaurov, D.E., **J.E. Simon**, C.H. Park, W. Letchamo, Q.L. Wu, M. Wang, I.V. Belolipov and I. Sodobekov. Medicinal plants from central and western Asia, **Korean J. Medicinal Crop Sci.** 10:277-283.
2002. **Simon, J.E.**, Jefthas, E., P. Langenhoven, M. Smith, E. Renaud, R. Juliani, M. Wang, N. Zimba, D. Acquaye, C. Park, I. Raskin and P. Tannous. Challenges and Tribulations in the Commercialization of New Crops: Aromatic and Medicinal Crops. **Korean J. Medicinal Crop Sci.** 10(4): 303-313.
2002. Vieira, R.F., R.J. Grayer, A. Paton and **J.E. Simon**. Uso de marcadores quimicos no estudo da diversidade genetica de *Ocimum gratissimum*. **Revista Brasileira de Farmacognosia** 12:126-129.
2001. Vieira^G, R.F., R.J. Grayer, A. Paton and **J.E. Simon**. Genetic diversity of *Ocimum gratissimum* L. based on volatile oil constituents, flavonoids and RAPD markers. **Biochemical Systematics and Ecology**, 29/3:287-304.
2001. Gang, D.R., J. Wang, N. Dudareva, K.H. Nam, **J.E. Simon**, E. Lewinsohn, and E. Pichersky. An Investigation of the storage and biosynthesis of phenylpropenes in sweet basil. **Plant Physiology** 125: 1-17. (Plus serves as cover photo to journal).
2001. Sari^G, A. O., M.R. Morales and **J.E. Simon**. Ethephon can overcome seed dormancy and improve seed germination in purple coneflower species *Echinacea angustifolia* and *Echinacea pallida*. **HortTechnology** 11(20): 202-205.
2001. Renaud, E.N.C., D.J. Charles and **J.E. Simon**. Essential oil quantity and composition from ten cultivars of organically grown lavender and lavandin. **J. Essential Oil Research** 13(4): 269-273.
2001. Keskitalo^G, M., E. Pehu and **J. Simon**. Variation in volatile compounds from tansy (*Tanacetum vulgare* L.) related to genetic and morphological differences of genotypes. **Biochemical Systematics and Ecology** 29(3): 267-285.

2000. Vieira^G, R.F. and **J.E. Simon**. Chemical characterization of basil (*Ocimum* spp.) found in the markets and used in traditional medicine in Brazil. **J. Economic Botany**: 54(2):207-216.
2000. Phippen^G, W. and **J.E. Simon**. Anthocyanin Inheritance and Instability in Purple Basil (*Ocimum basilicum* L.). **J. Heredity** 91:289-296. (Plus serves as cover photo to journal).
2000. Phippen^G, W. and **J.E. Simon**. Shoot regeneration of young leaf explants from basil (*Ocimum basilicum*). L. **In Vitro Dev. Biol.-Plant** 36:250-254.
2000. Cutlan^G, AR., L.E. Bonilla, J.E. Erwin and **J.E. Simon**. Intra-specific variability of feverfew: Correlations between parthenolide, morphological traits and seed origin. **Planta Medica**: 66:612-617.
1998. Phippen^G, W.B. and **J.E. Simon**. Anthocyanins in Basil (*Ocimum basilicum* L.). **J. Agric. Food Chemistry** 46(5):1734-1738.
1998. Ozer^G, N., B.A. Engel and **J.E. Simon**. A multiple impact approach for the non-destructive measurement of fruit firmness. **Trans. Amer. Soc. of Agric. Eng.** 41(3):871-876.
1998. Keskitalo^G, M, A. Pohto, M-L. Savela, J.P.T. Valkonen, **J. Simon** and E. Pehu. Alterations in growth of tissue-cultured tansy (*Tanacetum vulgare* L.) treated with antibiotics. **Annals Applied Biology**: 133:281-296.
1997. McCloud, T.G., J.R. Britt, L.K. Cartner, K.C. Pearl, F.D. Majadly, G.M. Muschik, P.A. Klueh, G.M. Cragg, D.W. Thomas, J.G. Jato, and **J.E. Simon**. Quantitation of the anti-HIV alkaloids michellamines A and B by high pressure liquid chromatography. **Phytochemical Analysis** 8:120-123.
DOI:10.1002/(SICI)1099-1565(199705)8:3<120::AID-PCA345>3.0.CO;2-4
1997. Morales, M.R. and **J.E. Simon**. 'Sweet Dani': A new culinary and ornamental lemon basil. Cultivar release in **HortScience** 32(1):148-149.
1997. Edan^G, Y. and **J.E. Simon**. Spatial and temporal distribution of ripe muskmelon fruit. **HortScience** 32(7):1178-1181.
1997. Tucker, A.O., M.J. Maciarelo, D.J. Charles and **J.E. Simon**. Volatile leaf oil of the curry plant [*Helichrysum italicum* (Roth) G. Don subsp. *italicum*] and dwarf curry plant [subsp. *microphyllum* (Willd.) Nyman] in the North American Herb Trade. **J. Essential Oil Research** 9(5):583-585.
1996. Hao^G, Z., Charles D.J., Yu L. and **J.E. Simon**. Purification and characterization of a phenylalanine ammonia-lyase isoform from methyl cinnamate basil, *Ocimum basilicum* L. **Phytochemistry** 43(4):735-739.
1996. El-Masry, M.H. and **J.E. Simon**. Effect of potassium rates on hydroponically grown peppermint (*Mentha x piperita* L.). **Monofeyia Journal of Agricultural Research** 21(6):1459-1483.
1996. **Simon, J.E.**, A. Hetzroni, B. Bordelon, G.E. Miles and D.J. Charles. Electronic sensing of aromatic volatiles for quality sorting of blueberry fruit. **J. Food Science** 61(5):967-969 & 972.
1996. Jato, J., **J.E. Simon**, P. Symonds, A. Koufani and A.B. Njamnshi. Rules and regulations on the collection in Cameroon of biological materials for biological testing and drug discovery. **J. of Ethnopharmacology** 51:121-125.
1996. Eason, G., R.A. Reinert and **J.E. Simon**. Sulfur dioxide-enhanced phytotoxicity of ozone to watermelons. **J. Amer. Soc. Hort. Sci.** 121(4):716-721.
1996. Angers, P., M.R. Morales and **J.E. Simon**. Fatty acid variation in seed oil among *Ocimum* Species. **J. of the American Oil Chemists Society** 73(3):393-395.

1995. Benady^G, M., **J.E. Simon**, G.E. Miles, and D.J. Charles. Fruit Ripeness Determination by Electronic Sensing of Aromatic Volatiles. **Trans. of the American Soc. Agricultural Engineering** 38(1):251-257.
1995. Charles, D.J., M.P. Widrechner and **J.E. Simon**. Characterization of essential oil of dill (*Anethum graveolens* L.). **J. Essential Oil Research** 7:11-20.
1985. El-Masry, M.H., D.J. Charles and **J.E. Simon**. Terbacil and basagran as postemergent herbicides for sweet basil and sweet marjoram. **J. Herbs, Spices and Medicinal Plants**: 3(3):19-26.
- 1995a. Ferreira^G, J. **J.E. Simon**, and J. Janick. Developmental studies of *Artemisia annua* L.: Flowering and artemisinin production under greenhouse and field conditions. **Planta Medica**: 61:167-170.
- 1995b. Ferreira^G, J. **J.E. Simon**, and J. Janick. Relationship of artemisin content of tissue-cultured, greenhouse-grown, and field-grown plants of *Artemisia annua* L. **Planta Medica**: 61:351-355.
1995. Ozer^G, N., B.A. Engel and **J.E. Simon**. Fusion classification techniques for fruit quality sorting. **Trans. American Soc. of Agricultural Engineering** 38(6):1927-1934.
1994. Ferreira^G, J.F.S., D.J. Charles, K. Wood, J. Janick and **J.E. Simon**. A comparison of gas chromatography and high performance liquid chromatography for artemisinin analyses. **Phytochemical Analysis** 5:116-120.
1993. Halva^G, S., L.E. Craker, **J.E. Simon** and D.J. Charles. Growth and essential oil accumulation in dill, *Anethum graveolens* L., in response to temperature and photoperiod. **J. Herbs, Spices and Medicinal Plants** 1(3):47-56.
1992. Charles, D.J. and **J.E. Simon**. A new geraniol chemotype of *Ocimum gratissimum* L. **J. Essential Oil Research** 4:231-234.
1992. Nation^G, R.G., J. Janick and **J.E. Simon**. Estimation of outcrossing in basil. **HortScience** 27(11): 1221-1223.
1992. Morales, M.R., **J.E. Simon** and D.J. Charles. Comparison of essential oil content and composition between field and greenhouse grown genotypes of methyl cinnamate basil (*Ocimum basilicum* L.). **J. Herbs, Spices and Medicinal Plants** 1(4):25-30.
1992. Alkire, B.H. and **J.E. Simon**. A portable steam distillation unit for essential oil crops. **HortTechnology** 2(4):473-476.
1992. **Simon, J.E.**, D. Reiss-Bubenheim, R.J. Joly and D.J. Charles. mint-induced alterations in essential oil content and composition of sweet basil. **J. Essential Oil Research** 4(1):71-75.
1992. Charles, D.J., N.K. Singh and **J.E. Simon**. The essential oil of *Alpinia galanga* Willd. **J. Essential Oil Research** 4(1):81-82 (a research note).
1992. Charles, D.J. and **J.E. Simon**. Essential oil constituents of *Ocimum kilimandscharicum*. Guerke. **J. Essential Oil Research** 4(2): 125-128.
1992. Whipkey, A., **J.E. Simon**, D.J. Charles and J. Janick. In vitro production of artemisinin from *Artemisia annua* L. **J. Herbs, Spices and Medicinal Plants** 1:15-25.
1992. Halva^G, S., L.E. Craker, **J.E. Simon** and D.J. Charles. Light levels, growth and essential oil in dill (*Anethum graveolens* L.). **J. Herbs, Spices and Medicinal Plants** 1:47-58.

1992. Halva^G, S., L.E. Craker, **J.E. Simon** and D.J. Charles. Light quality, growth and essential oil in dill (*Anethum graveoleus*). **J. Herbs, Spices and Medicinal Plants** 1:59-69.
1991. Charles, D.J., E. Cebert and **J.E. Simon**. Characterization of the essential oil of *Artemisia annua* L. **J. Essential Oil Research** 3:33-39.
1991. Boyle, T.H., L.E. Craker and **J.E. Simon**. Growing medium and fertilization regime influence growth and essential oil content of rosemary. **HortScience** 26(1):33-34.
1991. Charles, D.J. and **J.E. Simon**. Volatile compounds of the curry plant. **HortScience** 26(1):69-70.
1991. Cabral Velho, C., D.J. Charles and **J.E. Simon**. Volatile fruit constituents of *Theobroma grandiflorum*. **HortScience** 26(5):608.
1991. Snyder, R.G., **J.E. Simon**, R. Reinert, G.E. Wilcox and M. Simini. Effects of air quality on growth, yield and quality of watermelon. **HortScience** 26(8):1045-1047.
1991. Charles, D.J., **J.E. Simon** and M.P. Widrlechner. Characterization of essential oil of *Agastache* species. **J. Agricultural and Food Chemistry** 39 (11):1946-1949.
1990. Charles, D.J., **J.E. Simon** and K.V. Wood. Essential oil constituents of *Ocimum micranthum* Willd. **J. Agricultural and Food Chemistry** 38(1):120-122.
1990. Charles, D.J. and **J.E. Simon**. Comparison of extraction methods for the rapid determination of essential oil content and composition of basil. **J. Amer. Soc. Hort. Sci.** 115(3):458-462.
1990. Charles, D.J. and **J.E. Simon**, K.V. Wood and P. Heinstejn. Germplasm variation in artemisinin content of *Artemisia annua* using an alternative method of artemisinin analysis from crude plant extracts. **J. Natural Products**. 53(1):157-160.
1990. Charles, D.J., R.J. Joly and **J.E. Simon**. Effects of osmotic stress on the essential oil content and composition of peppermint. **Phytochemistry** 29(9):2837-2840.
1989. Quinn^G, J., **J.E. Simon** and J. Janick. Recovery of gamma-Linolenic acid from somatic embryos of borage. **J.Amer.Soc. Hort. Sci.** 114(3):511-515.
1989. Quinn^G, J., **J.E. Simon** and J. Janick. Histology of zygotic and somatic embryogenesis in *Borago officinalis* L. **J. Amer.Soc. Hort. Sci.** 114(3):516-520.
1989. Adler^G, P.R., **J.E.Simon** and G.E. Wilcox. Nitrogen form alters sweet basil growth, and essential oil content and composition. **HortScience** 24(5):789-790.
1989. Simini, M., **J.E. Simon**, R.A. Reinert and G. Eason. Identification of ozone-induced injury on field-grown muskmelons. **HortScience** 24(6):909-912.
1988. **Simon, J.E.** and J. Quinn. Characterization of essential oil of parsley. **J. Agricultural Food and Chemistry** 36:467-472.
1988. Snyder, R.G., **J.E. Simon**, R.A. Reinert, M. Simini and W.W. Heck. Effects of air quality on foliar injury, growth, yield and quality of muskmelon. **J. Environmental Pollution** 53:187-196.
1988. Whipkey, A., **J.E. Simon** and J. Janick. *In vivo* and *in vitro* lipid accumulation in *Borago officinalis* L. **J. American Oil Chemists Society** 65(6):979-984.

1987. **Simini, M.**, R.G. Snyder and J.E. Simon. Differential sensitivity of muskmelon and watermelon cultivars to ozone-induced injury. **Ind. Acad. of Sci.** 96:121-127.
- 1986 Janick, J., **J.E. Simon** and A. Whipkey. In-vitro propagation of borage. **HortScience**:22(3):493-495.
1986. Decoteau, D.R., **J.E. Simon**, G. Eason and D.A.Reinert. Ozone-induced injury on field-grown watermelons. **HortScience** 21(6):1369-1371.
1986. **Simon, J.E.**, G.E. Wilcox, M. Simini, O.M. Elamin and D. R. Decoteau. Identification of manganese toxicity and magnesium deficiency on melons grown in low pH soil. **HortScience** 21(6):1383-1385.
1986. **Simon, J.E.**, M.Simini, D.R. Decoteau, W. McKee, K. Scheeringa and J.E. Newman. Monitoring Air Pollution for its Potential Impact on Agricultural Crops in S.W. Indiana, **Ind. Acad. Of Sciences.** 95:289-301.
1985. Gawienowski, A.M., K.M. Csernus, **J.E.Simon** and L.E.Craker. Prostaglandin inhibitors and the development of the mung bean seedlings. **Steriods.** 46(2,3):727-733.
1983. **Simon, J.E.**, D.R. Decoteau and L.E. Craker. Detection of phytotoxic compounds using stress-induced ethylene and ethane. **Environ. Tech. Letters** 4:157-162.

6.2. Published Papers From Scientific Symposia and Conferences (Non-‘refereed’), and Other Scientific Outlets as well as Electronic publications that are not refereed:

2017. Martin, T., M. Saidi, S. Niassy, S. Simon, F. Vidogbena, L. Parrot, S. Ekesi, E. Deletre, S. Subramanian, F. Assogba-Komlan, V. Baird, K.K.M. Fiaboe, M. Ngouajio, **J.E. Simon** and A. Ratnadass. Insect net: A novel technology to promote integrated pest management on horticultural crops in Africa. **Acta Horticulturae** 1225:43-51. DOI 10.17660/ActaHortic.2018.1225.5
2016. Koroch, A.R., T.S. Villani^G, and **J.E. Simon**. Discovering Plant Tissues in a New Dimension. Article 75 in *Tested Studies for Laboratory Teaching*, Volume 37 (K. McMahon, Editor). **Proceedings of the 37th Conference of the Association for Biology Laboratory Education (ABLE)**.
<http://www.ableweb.org/volumes/vol-37/v37reprint.php?ch=article75>
2016. Muehlbauer, M., **J. Simon**, H. Juliani, T. Villani^G and T. Molnar. Lipid profiles of a diverse collection of *Corylus* species and interspecific hybrids. 29th International Horticultural Congress. **Acta Horticulturae** 1109:29-34.
2015. Weller, S.C., E. Van Wyk and **J.E. Simon**. Sustainable production for more resilient food production systems: Case study of African Indigenous Vegetables in Eastern Africa. International Horticultural Congress, Brisbane, Australia. **Acta Horticulturae** 1102:289-298.
2015. McGrath, M. T., LaMarsh, K. A., **Simon, J.**, Pyne^G, R. M., and Wyenandt, C. A. Assessment of downy mildew resistance in basil breeding lines and experimental hybrids, 2014. *Plant Disease Management Reports* 9:V027.
2014. McGrath, M. T., LaMarsh, K. A., **Simon, J.**, Pyne^G, R. M., and Wyenandt, C. A. Assessment of downy mildew susceptibility in basil cultivars, breeding lines, and crosses in New York, 2013. *Plant Disease Management Reports* 8:V269. American Phytopathological Society.
2013. McGrath, M.T., LaMarsh, K.A., Pyne, R., Simon, J.E., and C.A. Wyenandt. 2013. Assessment of downy mildew susceptibility in basil cultivars, breeding lines, and crosses in New York. *Plant Disease Management Reports* (on-line). Report No. 8. American Phytopathological Society.

2008. Govindasamy, R., V. Puduri and **J.E. Simon**. United States Hispanic Consumers' Perceptions towards Willingness to Buy Country of Origin Labeled Ethnic Produce. **8th International Conference on Management in AgriFood Chains and Networks**. May 28-30, Ede, The Netherlands. (20 pp).
2007. Juliani H.R., A. R. Koroch, J. Asante-Dartey, D. Acquaye and **J.E. Simon**. Chemistry and Quality of Fresh Ginger Varieties (*Zingiber officinale*) from Ghana. Int. Symp. Medicinal and Nutraceutical Plants, ISHS, March 19-23, 2007, Macon, GE, **Acta Hort 756**: 399-406.
2007. Juliani H.R. A. R. Koroch, C. Wamulwange and **J.E. Simon**. Mungongo cold pressed oil (*Schinziophyton rautanenii*): A new natural product with potential cosmetic applications. Int. Symp. Medicinal and Nutraceutical Plants, ISHS, March 19-23, 2007, Macon, GE, **Acta Hort 756**: 407-412.
2007. Govindasamy, R., N. Hitimana, V.S. Puduri, H.R. Juliani and **J.E. Simon**. Constraints and Perceptions of Natural Products Trade in Rwanda: A Study of Rwandan Wholesalers and Retailers. Int. Symp. Medicinal and Nutraceutical Plants, ISHS, March 19-23, 2007, Macon, GE, **Acta Hort 756**: 413-423.
2007. **Simon, J.E.**, A.R. Koroch, D. Acquaye, E. Jefthas, H. R. Juliani, and R. Govindasamy. Medicinal Crops of Africa, pp. 322-331. In: Janick, J and Whipkey (eds), The 6th **New Crops Symposium: Creating Markets for Economic Development of New Crops and New Uses**. ASHS Press, Alexandria, VI.
2007. Govindasamy, R., **J. Simon**, V. S. Puduri, H. R. Juliani, J. Asante-Dartey, H. Arthur, B. Diawuo, D. Acquaye, and N. Hitimana. Retailers and wholesalers of African herbal and natural products: case studies from Ghana and Rwanda, pp. 332-337. In: Janick, J and Whipkey (eds), The 6th **New Crops Symposium: Creating Markets for Economic Development of New Crops and New Uses**. ASHS Press, Alexandria, VI.
2007. Koroch A. L. Ranarivelo, O. Behra, H. R. Juliani and **J.E. Simon**. Quality attributes of ginger and cinnamon essential oils from Madagascar, pp. 338-341. In: Janick, J and Whipkey (eds), The 6th **New Crops Symposium: Creating Markets for Economic Development of New Crops and New Uses**. ASHS Press, Alexandria, VI.
2007. Park, C.H., P. Tannous^{UG}, H.R. Juliani, Q.L. Wu, W.J. Sciarappa, R. Vranken, P. Nitzsche, D. Dalponte and **J.E. Simon**. Catmint (*Nepeta spp.*): A Source of Essential Oils, pp. 311-315. In: Janick, J and Whipkey (eds), The 6th **New Crops Symposium: Creating Markets for Economic Development of New Crops and New Uses**. ASHS Press, Alexandria, VI.
2007. Ribeiro^G, P. and **J.E. Simon**. Breeding Sweet Basil (*Ocimum basilicum* L.) for Chilling Tolerance, pp. 302-305. In: Janick, J and Whipkey (eds), The 6th **New Crops Symposium: Creating Markets for Economic Development of New Crops and New Uses**. ASHS Press, Alexandria, VI.
2007. Park, C.H., P. Tannous, **J.E. Simon**, T.O. Kwon, W. Sciarappa, L.E. Craker, R.V. Ranken, W. Kline, P.J. Nitzsche, H.R. Juliani and R. Govindasamy. Chives and Perilla, Korean Greens for Emerging Ethnic Markets, pp. 228-232. In: Janick, J and Whipkey (eds), The 6th **New Crops Symposium: Creating Markets for Economic Development of New Crops and New Uses**. ASHS Press, Alexandria, VI.
2007. 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, pp. 261-273. In: Janick, J and Whipkey (eds), The 6th **New Crops Symposium: Creating Markets for Economic Development of New Crops and New Uses**. ASHS Press, Alexandria, VI.
2007. Koroch A. L. Ranarivelo, O. Behra, H. R. Juliani and **J.E. Simon**. Quality attributes of ginger and cinnamon essential oils from Madagascar, pp. 338-341. In: Janick, J and Whipkey (eds), The 6th **New Crops Symposium: Creating Markets for Economic Development of New Crops and New Uses**. ASHS Press, Alexandria, VI.

2007. Sciarappa, W.J., L.K. Hunsberger, D. Shen^G, Q.L. Wu, **J.E. Simon** and B. Hulme. Evaluation of edamame varieties in the Mid-Atlantic, pp. 223-227. In: Janick, J and Whipkey (eds), **The 6th New Crops Symposium: Creating Markets for Economic Development of New Crops and New Uses**. ASHS Press, Alexandria, VI.
2004. Juliani, H.R., **J.E. Simon**, M.M.R. Ramboatiana, O. Behra, A. Garvey and I. Raskin. Malagasy Aromatic Plants: Essential Oils, Antioxidant and Antimicrobial Activities. **Acta Horticulturae**. 629: 77-81.
2004. Juliani, H.R., A.R. Koroch, **J.E. Simon**, F.N. Biurrun, V. Castellano and J.A. Zygadlo. Essential oils from Argentinean Aromatic Plants. **Acta Horticulturae** (ISHS) 629:491-498.
2004. Park, C.H., H.W. Park, N.S. Seong and **J.E. Simon**. Indigenous paraquat resistance in Korean foxglove (*Rehmannia glutinosa* Libosch.) and *in vivo* multiple adventitious buds formation. **ISHS Acta Horticulturae** 629: 397-402.
2003. Lewinsohn, E., M. Shalit, D. Gang, N. Lavid, E. Bar, D. Weiss, A. Vainstein, Z. Adam, D. Zamir, N. Dudareva, M. Zaccai, **J.E. Simon** and E. Pichersky. Functional genomics to isolate genes involved in fragrance production for genetic engineering of scent in flowers, In: Vasil, I.K. (ed). **Plant Biotechnology 2002 and Beyond: Proceedings of the 10th IAPTC&B Congress**, June 23-28, 2002, Orlando, Florida, USA, Springer, Netherlands, pp. 329-323.
2002. Chin, C.K., S.A. Garrison, Y. Shao, M. Wang, **J.E. Simon**, C.T. Ho, and M.T. Huang. 2002. Functional elements from asparagus for human health. In: A. Urugami (ed). Proc. Xth ISHS on Asparagus. **Acta Horticulturae**:589: 233-241.
2002. Kapteyn^G, J. and **J.E. Simon**. The use of RAPDs for assessment of identity, diversity, and quality of *Echinacea*, pp. 509-513. In: Janick, J. and A. Whipkey (eds). Trends in New Crops and New Uses. **Amer. Soc. Hort. Sci. Press**, Alexandria, VA
2002. Koroch A, J. Kapteyn^G, H.R. Juliani and **J.E. Simon**. In vitro regeneration and *Agrobacterium* transformation of *Echinacea purpurea* leaf explants, pp. 522-526. In: Janick, J. and A. Whipkey (eds). Trends in New Crops and New Uses. **Amer. Soc. Hort. Sci. Press**, Alexandria, VA.
2002. Tadmor, Y., E. Jethas, J. Goliath, M. Smith, P. Langenhoven, D. Acquaye, R. Juliani, W. Letchamo, E. Renaud, N. Zimba, I. Raskin, J. Brown, and **J.E. Simon**. Quality Assurance and Quality Control for African Natural Plant Products from the Ground Up, pp. 93-99. In: Janick, J. and A. Whipkey (eds). Trends in New Crops and New Uses. **Amer. Soc. Hort. Sci. Press**, Alexandria, VA.
2002. Juliani, H.R. and **J.E. Simon**. Antioxidant Activity of Basil, pp. T575-579T. In: Janick, J. and A. Whipkey (eds). Trends in New Crops and New Uses. **Amer. Soc. Hort. Sci. Press**, Alexandria, VA.
2001. Singh, N., R. K. Singh, A. K. Bhunia, R. L. Strohshine and **J.E. Simon**. Sequential disinfection of *E. coli* O157:H7 on shredded lettuce leaves by aqueous chlorine dioxide, ozonated water and thyme essential oil. Proc. **Annual Int. Food Tech. Meeting**.
1999. **Simon, J.E.** Domestication and production considerations in quality control of botanicals, pp. 133-137. In: D. Eskinazi, M. Blumenthal, N. Farnsworth, and C.W. Riggins (eds). Botanical Medicine. Efficacy, Quality Assurance, and Regulation. **Mary Ann Liebert, Inc.** Larchmont, NY.
1999. Sari^G, A.O., M.R. Morales and **J.E. Simon**. *Echinacea angustifolia*: An Emerging Medicinal, pp. 490-493. In: J. Janick (ed). Perspectives on New Crops & New Uses. **ASHS Press**, Alexandria, VA.
1999. **Simon, J.E.**, M.R. Morales, W.B. Phippen^G, R.F. Vieira^G and Z. Hao^G. Basil: A source of aroma compounds and a popular culinary and ornamental herb, pp.499-505. In: J. Janick (ed). Perspectives on New Crops and New Uses. **ASHS Press**, Alexandria, VA.

1999. Janick, J., **J.E. Simon**, and A. Whipkey. A site-specific retrieval system for crop information, pp. 166-169. In: J. Janick (ed). *Perspectives on New Crops and New Uses*. **ASHS Press**, Alexandria, VA.
1998. Njoya, C., **J.E. Simon** and J. Jato. Strategies for the domestication of useful native Cameroonian plants with a focus on developing vegetative propagation techniques. *Conservation of Biodiversity in West African Plants*.
1996. **Simon, J.E.**, J. Janick and A. Hetzroni. The New Crop Electronic Library, pp. 142-147. In: J. Janick (ed.). *New Crops*, **ASHS Press**, Alexandria, VA.
1996. Morales, M.R. and **J.E. Simon**. New basil selections with compact inflorescences for the ornamental market, pp. 543-546. In: J. Janick (ed.). *New Crops*, **ASHS Press**, Alexandria, VA.
1996. Cragg, G.M., **J.E. Simon**, J.G. Jato, and K.M. Snader. Drug Discovery and development at the National Cancer Institute: Potential for New Pharmaceutical Crops, pp. 554-560. In: J. Janick (ed.). *New Crops*, **ASHS Press**, Alexandria, VA.
1996. Angers, P., M.R. Morales and **J.E. Simon**. Basil seed oils, pp. 598-601. In: J. Janick (ed.). *New Crops*, **ASHS Press**, Alexandria, VA.
1996. Ozer^G, N., B.A. Engel, and **J.E. Simon**. A New Training Set Selection Criteria to Stabilize the Recurrent Autoassociative Neural Networks. *ASAE Paper No. 65-3038*. ASAE, St. Joseph, MI. 49085-9659. 15 pages. From Int. Meeting of the **American Society Agricultural Engineers**, Phoenix, AZ, July, 14-18, 1996.
1995. Ozer^G, N., B.A. Engel, and **J.E. Simon**. Neural Network for Quality Sorting and Grading of cantaloupes by multiple nondestructive sensors. *ASAE Paper No. 95-3218*. ASAE, St. Joseph, MI. 49085-9659. **American Society Agricultural Engineers**. 2950 Niles Rd., St. Joseph, MI. 49085-9659.
1994. Ozer^G, N., B.A. Engel and **J.E. Simon**. An adaptive technique for multi-sensor fusion and classification of fruit. *ASAE Paper No. 94-6025*, June. **American Society Agricultural Engineers**. 2950 Niles Rd., St. Joseph, MI. 49085-9659. 13 pages.
1994. Hetzroni, A. **J.E. Simon**, M. Benady^G and B. Bordelon. Electronic sensing of aromatic volatiles for quality sorting in strawberries. *ASAE Paper No. 94-6029*, June. **American Society Agricultural Engineers**. 2950 Niles Rd., St. Joseph, MI. 49085-9659. 7 pages.
1993. Stroshine, R.L., G.G. Dull, J. Abbott, V. Bellon, D. Beaumelle, M. Benady^G, R.Cavalieri, P.Chen, W.R. Forbus, Jr., N. Galili, A. Mizrach, S. Nelson, Y. Sarig, D. Slaughter, **J.E. Simon** and B. Zion. Nondestructive sensing of internal composition. **Proc of BARD Workshop on quality sorting of fruits and vegetables**. June, 1993, Seattle, WA.
1993. Charles, D.J., **J.E. Simon**, C.C. Shock, E.B.G. Feibert and R.M. Smith. Effect of water stress and drying on artemisinin content in the leaves of *Artemisia annua* L., pp. 640-643. In: J. Janick and J.E. Simon (eds). *New Crops: New Crops: Exploration, Research, Commercialization*. Proc. New Crops, Oct. 6-9, 1991, Indianapolis, IN. **John Wiley & Sons, Inc.**, N. Y.
1993. **Simon, J.E.** New Crop Introduction: Exploration, Research and Commercialization of Aromatic Plants in the New World. The First World Congress on Medicinal and Aromatic Plants for Human Welfare- WOCMAP, July 19-25, 1992, Maastricht. **Acta Horticulturae** 331:209-221.
1993. Morales, M.R., Charles, D.J. and **J.E. Simon**. Seasonal accumulation of artemisinin in *Artemisia annua* L. International Symposium on Medicinal and Aromatic Plants, March 22-25, 1993, Tiberias, Israel. **Acta Horticulturae** 344: 416-420.

1993. Charles, D. J. and **J.E. Simon**. Changes in the essential oil content and composition with leaf development of *Ocimum gratissimum* L. International Symposium on Medicinal and Aromatic Plants, March 22-25, 1993, Tiberias, Israel. **Acta Horticulturae** 344: 421-427.
1993. Alkire^G, B.H. and **J.E. Simon**. Water management for Midwestern peppermint growing in high organic soils. Indiana, USA. International Symposium on Medicinal and Aromatic Plants, March 22-25, 1993. Tiberias Israel, *Acta Horticulturae* 344:544-556.
1992. Charles, D.J., **J.E. Simon**, C. Glowacki and M. Widrechner. Major essential oil constituents of *Agastache* spp. International Symposium on Aromatic and Medicinal Plants, 1990, Firenze, Italy. **Acta Horticulture** 306: 327-330.
1992. Alkire^G, B.H. and **J.E. Simon**. Use of infrared thermometry to monitor water status in peppermint (*Mentha x piperita* L.). International Symposium on Aromatic and Medicinal Plants, 1990, Firenze, Italy. **Acta Horticulture** 306:385-396.
1992. Benady^G, M., **J.E. Simon**, D.J. Charles and G.E. Miles. Determining melon ripeness by analyzing headspace gas emissions. ASAE Paper No. 92-6055. International Meeting, Amer. Soc. Agric. Engineers. June 21-24, Charlotte, North Carolina. **American Soc. Agricultural Engineers**, St. Joseph, MI. 49085-9659. 13 pp.
1990. **Simon, J.E.** Essential oils and culinary herbs. *Advances in New Crops*, **Timber Press**, Portland, OR. pp. 472-483.
1990. **Simon, J.E.**, J. Quinn^G and R.G. Murray^G. Basil: A source of essential oils. *Advances in New Crops*, **Timber Press**, Portland, OR. pp. 484-489.
1990. **Simon, J.E.**, D.J. Charles, E. Cebert, L. Grant, J. Janick and A. Whipkey. *Artemisia annua* L.: A promising aromatic and medicinal. *Advances in New Crops*, **Timber Press**, Portland, OR. pp. 522-526.
1989. **Simon, J.E.** Aromatic and medicinal plants in the United States. In: Verlet, N. and M.H. Begins (ed). 2P^e Rencontres techniques et economiques plantes aromatiques et medicinales. **Ministry of Agriculture, France**. Held December 5-7, 1988. C.F.P.P.A. DE Nyons, B.P.N° 36-F-26110, france. Po.65-86.
1987. Quinn^G, J., A. Whipkey, **J.E. Simon** and J. Janick. Embryo development in *Borago officinalis* L. **Acta Horticulturae**. 208:243-249.
1987. Beaubaire^G, N. and **J.E. Simon**. Production potential of *Borago officinalis* L. **Acta Horticulturae**. 208:101-113.

7. Books (Authored and edited):

7.1 Books:

2020. Juliani, H.R., **J.E. Simon** and C.T. Ho (Editors). **African Natural Plant Products, Volume III: Discoveries and Innovations in Chemistry, Bioactivity, and Applications**. American Chemical Society, ACS Symposium Series 1361, Washington, D.C. USA. Oxford University Press: Nov 11, 2020, 334 pages. DOI:10.1021/bk-2020-1361
2013. Juliani, H.R., **J.E. Simon** and C.T. Ho (Editors). **African Natural Plant Products. Volume II: Discoveries and Challenges in Chemistry, Health and Nutrition**. **American Chemical Society Symposium Series 1127**. American Chemical Society, Washington, D.C. USA. Oxford University Press. 333 pp.
2009. Juliani, H.R., **J.E. Simon** and C.T. Ho (eds). **African Natural Plant Products. Volume I: Discoveries and Challenges in Quality Control**. **American Chemical Society Symposium Series 1021**. American Chemical Society, Washington, D.C. USA. Oxford University Press. 595 pp.

2008. Ho, C.T., **J.E. Simon**, F. Shahidi and Y. Shao (eds). **Dietary Supplements**. American Chemical Society Symposium Series 987. American Chemical Society, Washington, D.C. USA, 335 pp.
2007. Yadav, A.K., N. Joshee, A. Yadav, C. Gambill and **J.E. Simon** (eds). **Proc. of the International Symposium on Medicinal and Nutraceutical Plants**. The International Society for Horticultural Science, Macon, Georgia, March 19-23, 2007. **Acta Horticulturae**: 756.
2004. Craker, L.E., **J.E. Simon**, J. Arayars, and E. Lewinsohn (eds). **The Future of Medicinal and Aromatic Plants**, Scientific Proceedings of the ISHS Medicinal and Aromatic Plants Congress, Toronto, Canada, August 2002. **Acta Horticulturae**: 629.
2003. World Health Organization. **WHO Guidelines on Good Agricultural and Collection Practices (GACP) for Medicinal Plants**. WHO, Geneva, 2003. 80 pp. (Original Drafts and edits compiled by H. Fong, **J.E. Simon** and J. Regalado). Copyrighted nearly annually, now WHO 2012.
1993. Palevitch, D., **J.E. Simon** and A. Mathe (eds). Scientific Proceedings from the **First World Congress on Medicinal Plants and Human Welfare: Raw Material Production and Product Introduction**, Maastricht, the Netherlands. Sept., 1993. **Acta Horticulturae** 331: 386 pp.
1993. Janick, J. and **J.E. Simon** (eds). **Progress in New Crops**, John Wiley & Sons. 710 p.
1990. Janick, J. and **J.E. Simon** (eds). **Advances in New Crops**, Timber Press, Portland, OR. 560 pp.
1989. Craker, L.E. and **J.E. Simon** (eds). **Herbs, Spices and Medicinal Plants. Recent Advances in Botany, Horticulture and Pharmacology**. Haworth Press, Binghamton, NY. Vol. 4. 267 pp.
1988. Craker, L.E. and **J.E. Simon** (eds). **Herbs, Spices and Medicinal Plants. Recent Advances in Botany, Horticulture and Pharmacology**. Haworth Press, Binghamton, NY. Vol. 3. 220 pp.
1987. Craker, L.E. and **J.E. Simon** (eds). **Herbs, Spices and Medicinal Plants. Recent Advances in Botany, Horticulture and Pharmacology**. Haworth Press, Binghamton, NY. Vol. 2. 255 pp.
1987. **Simon, J.E.**, A. Mathe and L.E. Craker (eds). *Sixth International Symposium on Medicinal and Aromatic Plants. Technical Communication of the International Society for Horticultural Science*. **Acta Horticulturae** 208. 279 pp.
1986. Craker, L.E. and **J.E. Simon** (eds). **Herbs, Spices and Medicinal Plants. Recent Advances in Botany, Horticulture and Pharmacology**. Haworth Press, Binghamton, NY. Vol. 1. 359 pp.
1984. **Simon, J.E.**, A. Chadwick, and L.E. Craker. **Herbs: An Indexed Bibliography, 1971-1980, The Scientific Literature on Selected Herbs, and Aromatic and Medicinal Plants of the Temperate Zone**. Archon Books. 770 pp. [*This reference book received the 1985 National Oberly Award* and was listed as a Selection, Choice Magazine, 1984-85. Outstanding Academic Books and Nonprint materials, American College Libraries]

7.2 Book Chapters (^{UG}undergraduate, ^Ggraduate and ^{HS}student):

2021. Merchant^G, E.V., and **Simon, J.E.** 2022. Traditional and indigenous foods for food security and sovereignty. In **Encyclopedia of Human Nutrition** 4th Edition (Elsevier), B9780128218488000000. 10.1016/B978-0-12-821848-8.00076-7.
2020. Hwang^G, L.C, H.R. Juliani, R. Govindasamy and J.E. Simon. Traditional botanical uses of non-timber forest products (NTFP) in seven counties in Liberia, Chapter 1, pp. 3-43. In: Juliani, H.R., J.E. Simon and C.T. Ho (Editors). **African Natural Plant Products, Volume III: Discoveries and Innovations in Chemistry, Bioactivity, and Applications**. American Chemical Society, ACS Symposium Series 1361, Washington, D.C. USA. Oxford University Press. DOI: 10.1021/bk-2020-1361.ch001

2020. Yuan^G, B., W. Lyu^G, F. Dinssa, D. Hoffman, **J.E. Simon** and Q.L. Wu. African nightshades: Recent advances on the phytochemistry, nutrition and toxicity, Chapter 5, pp103-137. In: Juliani, H.R., J.E. Simon and C.T. Ho (Editors). **African Natural Plant Products, Volume III: Discoveries and Innovations in Chemistry, Bioactivity, and Applications**. American Chemical Society, ACS Symposium Series 1361, Washington, D.C. USA. Oxford University Press. DOI: 10.1021/bk-2020-1361.ch005

2020. Gomes^G, E.N., K.A. Allen^G, M. Zorde^G, Q.L. Wu and **J.E. Simon**. Ethnobotany, chemistry and pharmacology of African *Nepeta* species, Chapter 10, pages 219-236. In: Juliani, H.R., J.E. Simon and C.T. Ho (Editors). **African Natural Plant Products, Volume III: Discoveries and Innovations in Chemistry, Bioactivity, and Applications**. American Chemical Society, ACS Symposium Series 1361, Washington, D.C. USA. Oxford University Press 2020. DOI: 10.1021/bk-2020-1361.ch010

2020. Giurleo, D.J., H.R. Juliani, L.S. Amekuse, J. Asante Dartey, Q.L. Wu and **J.E. Simon**. 5-HTP (5-Hydroxy-L-tryptophan) content and antioxidant capacities of wild *Griffonia simplicifolia* seed populations from Ghana and Liberia, Chapter 11, pages 239-247. In: Juliani, H.R., J.E. Simon and C.T. Ho (Editors). **African Natural Plant Products, Volume III: Discoveries and Innovations in Chemistry, Bioactivity, and Applications**. American Chemical Society, ACS Symposium Series 1361, Washington, D.C. USA. Oxford University Press. DOI: 10.1021/bk-2020-1361.ch011

2020. Giurleo, D.J., H.R. Juliani, L.S. Amekuse, J. Asante Dartey, **J.E. Simon** and Q.L. Wu. Flavone-C-Glycosides and total antioxidant capacities in leaves of eight wild *Griffonia simplicifolia* populations, Chapter 12, pages 249-264. In: Juliani, H.R., J.E. Simon and C.T. Ho (Editors). **African Natural Plant Products, Volume III: Discoveries and Innovations in Chemistry, Bioactivity, and Applications**. American Chemical Society, ACS Symposium Series 1361, Washington, D.C. USA. Oxford University Press. DOI: 10.1021/bk-2020-1361.ch012

2020. Gustafson^G, K., E. Dager, **J.E. Simon** and Q.L. Wu. An improved analytical method for dhurrin analysis in *Sorghum bicolor*, Chapter 13, pages 265-273. In: Juliani, H.R., J.E. Simon and C.T. Ho (Editors). **African Natural Plant Products, Volume III: Discoveries and Innovations in Chemistry, Bioactivity, and Applications**. American Chemical Society, ACS Symposium Series 1361, Washington, D.C. USA. Oxford University Press. DOI: 10.1021/bk-2020-1361.ch013

2020. Zhen, J., C. Welch, Y. Guo, E. Bassène, I. Raskin, **J.E. Simon** and Q.L. Wu. Novel skeleton flavan-alkaloids from African herb tea kinkéliba: Isolation, Characterization, SemiSynthesis and Bioactivities, Chapter 16, pages 297-312. In: Juliani, H.R., J.E. Simon and C.T. Ho (Editors). **African Natural Plant Products, Volume III: Discoveries and Innovations in Chemistry, Bioactivity, and Applications**. American Chemical Society, ACS Symposium Series 1361, Washington, D.C. USA. Oxford University Press. DOI: 10.1021/bk-2020-1361.ch016

2020. Gomes^G, E.N., K. Allen^G, K. Jaworski^G, M. Zorde^G, A. Lockhart^G, T. Besancon, T. Brown, W. Reichert, Q.L. Wu and **J.E. Simon**. Catnip (*Nepeta cataria* L.): Recent Advances in Botany, Horticulture and Production, Chapter 11, pp. 247-284. In: Á. Máthé (ed.), **Medicinal and Aromatic Plants of North America**. SpringerVerlag. https://doi.org/10.1007/978-3-030-44930-8_11

2014. Coppin^G, J., H.R. Juliani, Q.L. Wu and **J.E. Simon**. Variations in polyphenols and lipid soluble vitamins in *Moringa oleifera*, pp. 655-663. In: Preedy, V.R. (ed). **Processing and Impact Active Components in Food**, Elsevier Press.

2014. Juliani, H.R., A. R. Koroch and **J.E. Simon**. Chemical Diversity of Essential Oils of *Ocimum* species and their Associated antioxidant and Antimicrobial Activity, pp 1-12. In: Chemat, F., V.K. Varshney and K. Allaf (eds). **Essential Oils and Aromas: Green Extractions and Applications**. M/s Har Krishan Bhalla & Sons, Dehradun, India. (ISBN 978-81-905771-3-7).

2013. Juliani, H.R., A.R. Koroch, L. Giordano^{UG}, L. Amekuse, S. Koffa, J. Asante-Dartey and **J.E. Simon**. *Piper*

- guineense* (Piperaceae): Chemistry, Traditional Uses and Functional Properties of West African Black Pepper, pp.33-48. In: Juliani H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products. Volume II: Discoveries and Challenge in Chemistry, Health and Nutrition. American Chemical Society Symposium Series 1127**, ACS Press, Washington, D.C. USA.
2013. Gustafson^G, K., Q.L. Wu and **J.E. Simon**. *Pycnanthus angolensis*: Bioactive Compounds and Medicinal Applications, pp. 63-78. In: Juliani H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products. Volume II: Discoveries and Challenge in Chemistry, Health and Nutrition. American Chemical Society Symposium Series 1127**, ACS Press, Washington, D.C. USA.
2013. Koroch, A.R., H.R. Juliani and **J.E. Simon**. Nutritional value of Fonio (*Digitaria exilis*) from Senegal, pp. 127-133. In: Juliani H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products. Volume II: Discoveries and Challenge in Chemistry, Health and Nutrition. American Chemical Society Symposium Series 1127**, ACS Press, Washington, D.C. USA.
2013. Nahm^G, H.S., H.R. Juliani and **J.E. Simon**. Quality Characteristics of Shea Butter, *Vitellaria paradoxa*, pp.167-184. In: Juliani H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products. Volume II: Discoveries and Challenge in Chemistry, Health and Nutrition. American Chemical Society Symposium Series 1127**, ACS Press, Washington, D.C. USA.
2013. Villani^G, T., H.R. Juliani, Q.L. Wu and **J.E. Simon**. *Hibiscus sabdariffa*: Phytochemistry, Quality Control and Health Properties, pp. 209-230. In: Juliani H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products. Volume II: Discoveries and Challenge in Chemistry, Health and Nutrition. American Chemical Society Symposium Series 1127**, ACS Press, Washington, D.C. USA.
2013. Govindasamy, R., S. Arumugam and **J.E. Simon**. An Assessment of the Essential Oil and Aromatic Plant Industry with a Focus on Africa, pp. 289-321. In: Juliani H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products. Volume II: Discoveries and Challenge in Chemistry, Health and Nutrition. American Chemical Society Symposium Series 1127**, ACS Press, Washington, D.C. USA.
2010. Deschamps^G, C. and **J.E. Simon**. Phenylpropanoid Biosynthesis in Leaves and Glandular Trichomes of Basil (*Ocimum basilicum* L.), Chapter 18, pp. 263-274. In: Fett-Neto, A.G. (ed). **Plant Secondary Metabolism Engineering. Methods in Molecular Biology Series 643**, Springer Science.
2009. Ariyawardana, A., R. Govindasamy and **J.E. Simon**. The Natural Products Industry: A Global Perspective, pp.7-28. In: Juliani, H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products: Discoveries and Challenges in Quality Control. American Chemical Society Symposium Series 1021**. American Chemical Society, Washington, D.C. USA.
2009. Koroch, A.R., H. R. Juliani and **J.E. Simon**. Biology and Chemistry of the Genus *Aloe* from Africa, pp.171-183. In: Juliani, H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products: Discoveries and Challenges in Quality Control. American Chemical Society Symposium Series 1021**. American Chemical Society, Washington, D.C. USA.
2009. Ratsimbason, M., L. Ranarivelo, H.R. Juliani and **J.E. Simon**. Antiplasmodial activity of twenty essential oils from Malagasy aromatic plants, pp. 209-215. In: Juliani, H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products: Discoveries and Challenges in Quality Control. American Chemical Society Symposium Series 1021**. American Chemical Society, Washington, D.C. USA.
2009. Koroch A.R., H.R. Juliani, D. Kulakowski^{UG}, H. Arthur, J. Asante-Dartey and **J.E. Simon**. *Voacanga africana*: Chemistry, Quality and pharmacological activity, pp. 363-380. In: Juliani, H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products: Discoveries and Challenges in Quality Control. American Chemical Society Symposium Series 1021**. American Chemical Society, Washington, D.C. USA.

2009. Kim, K.S., H. R. Juliani, M. Bucuk^{UG}, D. Acquaye, J. Asante-Dartey, Q.L. Wu and **J.E. Simon**. Quality control and 5-HTP (5-Hydroxy-L-tryptophan) analysis of griffonia (*Griffonia simplicifolia* (DC.) Baill.) seed accessions collected in Ghana, pp. 381-390. In: Juliani, H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products: Discoveries and Challenges in Quality Control. American Chemical Society Symposium Series 1021**. American Chemical Society, Washington, D.C. USA.
2009. Ranarivelo, L., P. Ramanoelina, H. R. Juliani, and **J.E. Simon**. Characterization of essential oils from *Cinnamomum camphora* T. Nees & Eberm and *Ravensara aromatica* Sonnerat from Madagascar, pp. 391-400. In: Juliani, H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products: Discoveries and Challenges in Quality Control. American Chemical Society Symposium Series 1021**. American Chemical Society, Washington, D.C. USA.
2009. Juliani H. R., Y. Koelliker^{UG}, M. Bucuk^{UG}, C. Welch^G, B. J. Tepper, E. Jefthas and **J.E. Simon**. Quality, and consumer studies in the USA of African herbal teas for the natural products industry development in subSahara Africa, pp. 403-420. In: Juliani, H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products: Discoveries and Challenges in Quality Control. American Chemical Society Symposium Series 1021**. American Chemical Society, Washington, D.C. USA.
2009. Juliani H. R., Y. Fonseca^{UG}, D. Acquaye, H. Malumo, D. Malainy and **J.E. Simon**. Nutritional Assessment of Moringa (*Moringa* spp.) from Ghana, Senegal and Zambia, pp. 469-484. In: Juliani, H.R., J.E. Simon and C.T. Ho (eds). **African Natural Plant Products: Discoveries and Challenges in Quality Control. American Chemical Society Symposium Series 1021**. American Chemical Society, Washington, D.C. USA.
2008. Ho, C.T., **J.E. Simon**, F. Shahidi and Y. Shao. Dietary supplements: An overview, pp. 2-8. In: Ho, C.T., Y. Shao and J.E. Simon (eds). Dietary Supplements. **American Chemical Society Symposium Series 925**. American Chemical Society, Washington, D.C. USA.
2008. Zhou, L., Q.L. Wu, **J.E. Simon**, C.Y. Liu, J.S. Yang and Y.H. Liao. Phytochemistry and quality control of black cohosh, other medicinal *Cimicifuga* species and their derived products, pp.59-99. In: C.T., Y. Shao and J.E. Simon (eds). Dietary Supplements. **American Chemical Society Symposium Series 925**. American Chemical Society, Washington, D.C. USA.
2008. Juliani, H.R., C. Welch^G, J. Asante-Dartey, D. Acquaye, M. Wang and **J.E. Simon**. Chemistry, quality and functional properties of Grains of Paradise (*Aframomum melegueta*), a rediscovered spice, pp. 100-113. In: C.T., Y. Shao and J.E. Simon (eds). Dietary Supplements. **American Chemical Society Symposium Series 925**. American Chemical Society, Washington, D.C. USA.
2008. Juliani, H.R., T. Kwon, A.R. Koroch, J. Asante-Dartey, D. Acquaye and **J.E. Simon**. *Xylopiya aethiopica* (*Annonaceae*): Chemistry, Traditional Uses and Functional Properties of an “African Pepper”, pp. 114-128. Ho, C.T., Y. Shao and J.E. Simon (eds). Dietary Supplements. **American Chemical Society Symposium Series 925**. American Chemical Society, Washington, D.C. USA.
2008. Juliani, H.R., A.R. Koroch and **J.E. Simon**. Basil: A Source of Rosmarinic Acid, pp. 129-143. In: Ho, C.T., Y. Shao and J.E. Simon (eds). Dietary Supplements. **American Chemical Society Symposium Series 925**. American Chemical Society, Washington, D.C. USA.
2005. Wang, M., Y. Jin, **J.E. Simon** and C.T.Ho. Chemistry, Pharmacology and Quality Control of Selected Popular Oriental Herbs in the US Market, pp. 73-102. In: J. Shi, C.T. Ho and F. Shahidi (eds). *Asian Functional Foods. American Chemical Society Symposium Series. Oriental Herbs*. CRS Press, Boca Raton, Fl.
2005. Wang, M. Q.L. Wu, **J.E. Simon**, C.P. Liang and C.T. Ho. Instrumental analysis of popular botanical products in the US market, pp. 39-54. In: M. Wang, S. Sang, L.S. Hwang and C.T. Ho (eds). *Herbs: Challenges in Chemistry and Biology. American Chemical Society Symposium Series 925*. American Chemical Society, Washington, D.C. USA.

2005. Moharram, H., J. Ray^{UG}, S. Ozbas^{UG}, H. Juliani and **J.E. Simon**. Shea Butter, Chemistry, Quality and New Market Potentials. In: C.T. Ho, M. Wang and S. Sang (eds). *Herbs: Challenges in Chemistry and Biology*. **American Chemical Society Symposium Series 925**. American Chemical Society, Washington, D.C. USA.

2005. Juliani, H. R. M.Wang, H. Moharram, J. Asante-Dartey, D. Acquaye, A.. Koroch and **J.E. Simon**. Intraspecific Variation in Quality Control Parameters, Polyphenol Profile and Antioxidant Activity in Wild Populations of *Lippia multiflora* from Ghana, pp. 126-142. In: M. Wang, S. Sang, L.S. Hwang and C.T. Ho (eds). *Herbs: Challenges in Chemistry and Biology*. **American Chemical Society Symposium Series 925**. American Chemical Society, Washington, D.C. USA

2005. Koroch, A.R., H.R. Juliani and **J.E. Simon**. Biotechnology: Tissue Culture and Genetic Transformation for the Improvement of Aroma in Plants of the Lamiaceae, pp. 275-291. In: G. Buchbauer and L. Jirovetz (eds). *Processing, Analysis and Applications of Essential Oils*. **Har Krishan Bhalla & Sons**. Dehradun, India.

2005. Wang, M., R. Juliani, **J.E. Simon**, A. Ekanem, C.P. Liang and C.T. Ho. Honeybush Tea: Chemical and Pharmacological Analyses, pp. 118-128. In: Shahidi, F. and C.T. Ho (eds). *Phenolic Compounds in Foods and Natural Health Products*. **American Chemical Society Symposium Series Book 909**. American Chemical Society, Oxford Univ. Press, Washington, DC. 2005.

2003. Wu, Q.L., M. Wang, **J.E. Simon**, S.C. Yu, P.G. Xiao and C.T. Ho. Studies on the chemical Constituents of Loquat Leaves (*Eriobotrya japonica*), pp. 292-306. In: Ho, T.C. (eds). **T Oriental Foods and Herbs: Chemistry and Health Effects**. **T American Chemical Society Symposium Book Series 859**. TDiv. of Agric. and Food ChemT: Oriental Herbs. Oxford Univ. Press.

2003. Wang, M., Q.L. Wu, Y. Tadmor, **J.E. Simon**, S. Sang and C.T. Ho. *Schisandra chinensis*: Chemistry and Analysis, pp. 234-246. TIn: C.T. Ho, J.K. Lin and Q.Y. Zheng (eds). **Oriental Foods and Herbs: Chemistry and Health Effects**. **T American Chemical Society Symposium Series Books T Series 859**. Div. of Agric. and Food ChemT: Oriental Herbs. Oxford Univ. Press.

1997. Ferreira, J.F.S., **J.E. Simon** and J. Janick. *Artemisia annua* L.: Botany, Horticulture and Pharmacology. In: Janick, J. (ed). **Horticultural Reviews 19**:319-371.

1989. Janick, J., **J.E. Simon**, J. Quinn and N. Beaubaire. Borage: A Source of Gamma Linolenic Acid. In: Craker, L.E. and Simon, J.E. (eds). *Herbs, Spices and Medicinal Plants. Recent Advances in Botany, Horticulture and Pharmacology*. **Haworth Press**. Vol. 4:210-232.

7.3 Selected Industry Journals/Trade Magazines/Teaching and Educational Proceedings:

2021. **Simon, J.E.**, D. Acquaye, R. Govindasamy, J. Asante-Dartey, R. Juliani, B. Diouf, M. Diatta, P. Langenhoven, E. Van Wyk, N. Hitimana, D. Seidel, E. Merchant, L. Amekuze, S. Weller, D. Hoffman and Q.L. Wu. Building Community Resiliency through Horticultural Innovation. **Scientia 134**:13-21. <https://doi.org/10.33548/SCIENTIA601>

2021. Merchant, E.V., M. Odendo, C. Ndinya, N. Nyabinda, E. Onyango, N. Maiyo, D.J. Hoffman, and **J.E. Simon**. Barriers and Facilitators of African Indigenous Vegetable Preparation and Consumption: A Qualitative Exploration. *Power-on-Your-Plate*.

2020. **Simon, J.E.** A breakthrough in the war against basil downy mildew. **Scientia**: <https://doi.org/10.33548/SCIENTIA540>

2020. **Simon, J.**, A. Wyenandt, R. Raid, M. McGrath and K. Homa. A plant breeding breakthrough: downy mildew resistant sweet basil. **American Vegetable Grower**, June, 2020:10-11.

2020. **Simon, J.**, and Q.L. Wu. Sampling services and procedures for the hemp industry, 2 pp. **Proc of the New Jersey Vegetables Growers Association**, Feb 03-05, Atlantic City, NJ.

2020. **Simon, J.**, A. Wyenandt, R. Mattera III, K. Homa, A.J. Noto, L. Brindisi and W.P. Barney. From management to genetic resistance: new discoveries in controlling basil downy mildew and fusarium wilt, 3 pp. **Proc of the New Jersey Vegetables Growers Association**, Feb 03-05, Atlantic City, NJ.
2020. Ayeni, A. T. Orton and **J. Simon**. Performance of exotic peppers in conventional and organic production systems in New Jersey, 2 pp. **Proc of the New Jersey Vegetables Growers Association**, Feb 03-05, Atlantic City, NJ.
2017. Lee, R., **J.E. Simon**, W. Reichert, R. Juliani and B.J. Tepper. Development of a lexicon for fresh basil aroma with links to volatile chemical composition. **Perfumer & Flavorist** 42:37-40,42-50.
2016. Koroch, A.R., T.S. Villani and **J.E. Simon**. Discovering plant tissues in a new dimension. Article 75 in Tested Studies for Laboratory Teaching. In, Proc. of the **37th Conf. of the Association for Biology Laboratory Education (ABLE)**1-6; <http://www.ableweb.org/volumes/vol-37/v37reprint.php?ch=article75>
2016. Homa, K, Pyne, R., Wyenandt, A., and **J.E. Simon**. 2016. Screening for genetic resistance to Fusarium wilt for introgression into sweet basil. **Northeastern Plant, Pest and Soils Conference**. Philadelphia, PA 3-7 January, 2016.
2015. **Simon, J.E.**, E.A. Decker, MG Ferruzi, M.M. Giusti, C.D. Mejia and S.T. Talcott. Establishing Standards on Colors from Natural Sources. Sensient Technologies, 11 pp.
2015. Wyenandt, C.A., **Simon, J.E.**, Homa, K., and W.P. Barney. Fungicides for managing basil downy mildew - New Jersey. 2015 Basil Workshop, NJ-VGA ACTS Show, Atlantic City, NJ Feb 5-6, 2015 pp. 16.
2015. Pyne, R., Koroch, A., Wyenandt, C.A., and **J.E. Simon**. Breeding sweet basil for improved disease tolerance. 2015 Basil Workshop, NJ-VGA ACTS Show, Atlantic City, NJ Feb 5-6, 2015 pp. 20.
2013. Homa, K., Barney, W.P., Ward, D.L., Wyenandt, C.A., and **J.E. Simon**. Evaluating fungicide efficacy in developing control strategies for basil downy mildew (*Peronospora belbahrii*). 2013 Basil Workshop, Homestead, FL Dec. 19-20, 2013.
2010. McGrath, M.T., A. Wyenandt and **J.E. Simon**. Downy Mildew Wars: A monitoring program can help growers determine if the basil downy mildew pathogen is present in their area. **American Vegetable Grower**. February 2010:10 url:<http://www.growingproduce.com/americanvegetablegrower/?storyid=3310>
2006. Kim, M., X. Meng, A. Kim, M. Wang and **J.E. Simon**. Developing a long-lasting tyrosinase inhibitor from *Morus alba* L. **Cosmetic and Toiletries**. 121(3): 91-102.
2005. H.R. Juliani, O. Behra, H. Moharram, L. Ranarivelo, B. Ralijerson, M. Andriantsiferana, N. Ranjatoson, J. Rasoarahona, P. Ramanoelina, M. Wang and **J.E. Simon**. Searching for the real Ravensara (*Ravensara aromatic* Sonn.). A case study for "NATIORA"-the Malagasy natural product label. **Perfumer and Flavorist** vol 30: Jan/Feb, 2005: 60-65.
2005. Benge, M., G. Cragg, J. Duke, J. Ferreira, J. Hopper, W.J. Kress, **J.E. Simon**, A. Weil, M.L. Wilcox. Responding to: Malaria Fight: Gates Foundation funds development of malaria drug artemisinin and January 3, 2005, **BOOTSTRAPPING VIA PHILANTHROPY: A Californian start-up chooses a zero-profit project: helping to develop a malaria drug. Chemical Engineering News**, March 01, 2005. This letter to the editor requests studies on standardized plant extracts of *A. annua* for the treatment of malaria.
2000. Charles, D.J and **J.E. Simon**. 2000. Lavender: Is it Real or Synthetic? **AromaTherapy News**.

7.4 Selected Online Extension and Outreach, Cooperative Extension Fact Sheets and Bulletins

2020. **Simon, J.**, A. Wyenandt, R. Raid, M. McGrath and K. Homa. A plant breeding breakthrough: downy mildew resistant sweet basil. **American Vegetable Grower**, June, 2020: Online: <https://www.growingproduce.com/vegetables/a-breeding-breakthrough-downy-mildew-resistant-sweet-basil/>
2020. Wyenandt, A., K. Homa and **J.E. Simon**. Options for controlling basil downy mildew in the field. **Plant Pest Advisory Board**, Feb 01, 2020: <https://plant-pest-advisory.rutgers.edu/options-for-controlling-basil-downy-mildew-in-the-field/>
2020. Wyenandt, A. and **J.E. Simon**. Controlling basil downy mildew in the greenhouse. **Plant Pest Advisory Board**, January 22, 2020: <https://plant-pest-advisory.rutgers.edu/controlling-basil-downy-mildew-in-the-greenhouse/>
2020. Wyenandt, A. and **J.E. Simon**. Rutgers downy mildew resistant sweet basils available around the world; Research efforts continue. Rutgers Cooperative Extension Service. **Plant Pest Advisory Board**, January 12, 2020: <https://plant-pest-advisory.rutgers.edu/an-introduction-to-rutgers-downy-mildew-resistant-sweet-basils-2/>
2018. Matthews, J., M. Melendez, **J.E. Simon** and C.A. Wyenandt. Ultra-Niche Crops Series: Fresh Market Basil. **New Jersey Agricultural Experiment Station Fact Sheet** (FS 1279). Rutgers Cooperative Extension. <https://njaes.rutgers.edu/pubs/fs1279/>
2016. Homa, K., R. Pyne, C.A. Wyenandt and **J.E. Simon**. Breeding for resistance to Fusarium: Where are we now? The 61st Atlantic Coast Agricultural Convention and Trade Show. Atlantic City, NJ. Feb. 9-11, 2016. pp. 177-178.
2016. Wyenandt, A., **J.E. Simon**, K. Homa and B. Barney. 2016. Fungicides for managing basil downy mildew. The 61st Atlantic Coast Agricultural Convention and Trade Show. Atlantic City, NJ. Feb. 9-11, 2016. pp. 172.
2016. **Simon, J.E.**, C.A. Wyenandt, R. Pyne, K. Homa and B. Barney. 2016. Breeding for resistance to downy mildew and fusarium: Where are we now? The 61st Atlantic Coast Agricultural Convention and Trade Show. Atlantic City, NJ. Feb. 9-11, 2016. pp. 168.
2015. Wyenandt, C. A., **J.E. Simon**, K. Homa and B. Barney. 2015. Fungicides for managing basil downy mildew. The 60th Atlantic Coast Agricultural Convention and Trade Show. Atlantic City, NJ. Feb. 2-5, 2015 pp. 158.
2014. Chin, K.L., Y. Qi, M. Berhane and **J.E. Simon**. Sustainable Plant and Animal Production Systems Np. 302. South University and A&M College System.
2013. Homa, K., R. Pyne, A. Wyenandt and **J.E. Simon**. Controlling Downy Mildew. 13 May 2013. *Plant & Pest Advisory, Rutgers Cooperative Extension* [online]. Available from: <<http://plant-pest-advisory.rutgers.edu/?cat=5>>. (web blog; invited)
2012. **Simon, J.**, C. Park, A. Ayeni, R. Payne, P. Nitzsche, B. Sciarappa, R. VanVranken, S. Komar, E. Dager, Q. Wu, B. Schilling, R. Govindasamy, K. M. Kelley. Producing and Marketing Ethnic Herbs and Greens. New Jersey Vegetable Growers Association Annual Proceedings.
2010. Wyenandt, C. A. and **J.E. Simon**. 2010. Update on basil downy mildew. The 55th Atlantic Coast Agricultural Convention and Trade Show, January 12-14, 2010. Atlantic City, NJ. pp 48.
2010. Ayeni, A., R. VanVranken, W. Sciarappa, R. Govindasamy, V. S. Puduri, K. Pappas, **J.E. Simon**, F. Mangan, M. Lamberts, and G. McAvoy. "Smooth luffa (*Luffa cylindrica* (L.) M. Roemer., or *L. aegyptiaca* Mill.), **Rutgers Cooperative Extension Fact Sheet**, 2 pp.

2010. Ayeni, A., R. VanVranken, W. Sciarappa, R. Govindasamy, V. S. Puduri, K. Pappas, **J.E. Simon**, F. Mangan, M. Lamberts, and G. McAvoy. Chiles (Ethnic peppers): Anaheim or New Mexico pepper (*Capsicum annuum* L.), Aji Dulce (*C. chinense* Jacq.), and Jalapeno Chile (*C. annuum* L.), **Rutgers Cooperative Extension Fact Sheet**, 2 pp.

2010. Ayeni, A., R. VanVranken, W. Sciarappa, R. Govindasamy, V. S. Puduri, K. Pappas, **J.E. Simon**, F. Mangan, M. Lamberts, and G. McAvoy. Bok choys (Chinese cabbages): Bok Choy/Choi, Shanghai Bok Choy/Choi & Baby Bok Choy/Choi (Choy/Choi tops) (*Brassica rapa* subsp. *chinensis*), **Rutgers Cooperative Extension Fact Sheet**, 2 pp.

2007. Govindasamy, R., R. VanVranken, W. Sciarappa, A. Ayeni, V.S. Puduri, K. Pappas, **J.E. Simon**, F. Mangan, M. Lamberts and G. McAvoy. Survey methods and identification of ethnic crops for the east coast in the USA: A Procedural Synopsis. CSREES/USDA, NRI/USDA and Rutgers University. **New Jersey Agricultural Experiment Station, P-02903-1-07**, May, 2007, 37pp.

2007. Govindasamy, R., R. VanVranken, W. Sciarappa, A. Ayeni, V.S. 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 USA. CSREES/USDA, NRI/USDA and Rutgers University. **New Jersey Agricultural Experiment Station, P-02903-2-07**. November, 2007. 86 pp.

2006. Govindasamy, R., B. Onyango, V. Puduri, **J. Simon**, H. Juliani, J. Asante-Dartey, H. Arthur, B. Diawuo and D. Acquaye. An Overview of Marketing of Ghana Natural Products, **New Jersey Agricultural Experiment Station, P-15009-1-06**, November 2006, 24 pp.

2006. Govindasamy, R., **J. Simon**, V. Puduri, H. Juliani, J. Asante-Dartey, H. Arthur, B. Diawuo, D. Acquaye and N. Hitimana. A Comparison of Wholesaler/Retailer Business Characteristics of Natural Products between Ghana and Rwanda, **New Jersey Agricultural Experiment Station, P-15009-2-06**, November 2006, 30 pp.

2006. Govindasamy, R., A. Nemana, V. Puduri, K. Pappas, B. Schilling, **J.E. Simon**, R. VanVranken, and L. Brown. Demographics and the Marketing of Asian Ethnic Produce in the Mid-Atlantic States, **New Jersey Agricultural Experiment Station, P-02903-1-06**, May 2006, 95 pp.

7.5 Purdue University Cooperative Extension Fact Sheets & Agricultural Experiment Station Bulletins

7.5.1 **Simon, J.E.** Contributor and a former co-editor of the annual **Midwest Commercial Vegetable Production Guide**, 1984-1998.

7.5.2 **Simon, J.E.** Founder and Lead-editor of the annual **Midwestern Vegetable Variety Trial Report**-co-sponsored by eight Midwestern states. Published annually as a Purdue Univ. Agric. Exp. Sta. Bulletin based upon research conducted each year, 1990-2000; and continued today by others at Purdue.

7.5.3 Proceedings of the USA National Herb Conferences that brought together researchers and those in the industry:

Simon, J.E. and L. Grant (eds). 1987. Proc. First National Herb Growing & Marketing Conference. July 19-22, 1986. West Lafayette, IN. Purdue Univ. Agr. Exp. Sta. Bull. No. 518, 333 pp.

Simon, J.E. and L. Grant (eds). 1987. Proc. Second National Herb Growing & Marketing Conference. July 19-22, 1987. Indianapolis, IN. Purdue Univ. Agr. Exp. Sta. Bull. No. 530, 342 pp.

Simon, J.E. and L.Z. Clavio (eds). 1989. Proc. Third National Herb Growing & Marketing Conference. July 24-27, 1988. Louisville, KY. Purdue Univ. Agr. Exp. Sta. Bull. 552, 333 pp.

Simon, J.E., A. Kestner and M. Buehrle (eds). 1989. Herbs'89. Proc. Fourth National Herb Growing & Marketing Conference. July 22-25, 1989. San Jose, CA. Int. Herb Growers & Marketers Assoc., Silver Springs, PA. 466 pp.

Simon, J.E., A. Kestner, and M.R. Buehrle (eds). 1990. Herbs'90. Proc. Fifth National Herb

Growing & Marketing Conference. June 30-July 3, 1990. Baltimore, MD. Int. Herb Growers & Marketers Assoc. Silver Springs, PA. 228 pp.

Simon, J.E. and A. Kestner (eds). 1991. Herbs'91. Proc. Sixth National Herb Growing & Marketing Conference. July 19-22, 1991. Minneapolis, MN. Int. Herb Growers & Marketers Association, Mundelein, Ill. 214 pp.

Simon, J.E. and A. Kestner (eds). 1992. Herbs'92. Proc. Seventh National Herb Growing & Marketing Conference. July, 1992. Ft. Worth, TX. Int. Herb Growers and Marketers Association, Mundelein, Ill.

Kestner, A. and **J.E. Simon** (eds.). 1993. Herbs'93. Proc. Eighth National Herb Growing & Marketing Conference. July 8-11, 1993. Bellevue, WA. Int. Herb Growers & Marketers Assoc., Mundelein, Ill. 183 pp.

Kestner, A., **J.E. Simon**, and A.O. Tucker (eds.). 1994. Herbs'94. Proc. Ninth National Herb Growing & Marketing Conference. July 7-10, 1994. Raleigh, NC. Int. Herb Growers and Marketers Association, Mundelein, Ill.

For further information on current research programs, see:

Rutgers NUANPP web-site: <http://newuseag.rutgers.edu>

RUCAFE website: <https://rucafe.rutgers.edu>