

## Bhimanagouda S. Patil

### INVITED AND VOLUNTEERED PAPERS/ABSTRACTS

Professional Societies	Keynote/ Plenary	Invited	Volunteer / Submitted	Total
International	21	30	10	61
National	3	89	130	222
Regional	1	7	8	15

#### Professional Societies

(<sup>Keynote</sup>=Keynote speaker. <sup>Plenary</sup>=Plenary speaker, <sup>In</sup>=Invited speaker. Underlined authors indicate current or former graduate students or postdoctoral research associate under the direction of Patil.

#### International

61. <sup>In</sup>**Patil, B.S.** 2019. "Natural products from underutilized crops Isolation, identification, and examination of their role in mitigating cardiometabolic diseases". 5th IUPHAR Word Conference on the Pharmacology of Natural Products and 51st Annual Conference of Indian Pharmacological Society at Hyderabad, India. December 5-6, 2019.
60. <sup>Keynote</sup>**Patil, B.S.** Jayprakash, G.K., Achyara, P. and Singh, J. 2019. Arid Zone Fruits: A New Resource to Improve Human Health and Food Security in the Era of Climate Change. National Conference on Arid Fruits-A way forward for sustainable production and nutritional security. University of Agricultural Sciences, Raichur, India. November 28-30, 2019.
59. <sup>Keynote</sup>**Patil, B.S.** Jayprakash, G.K., and Singh, J. 2019. Can we reduce Obesity burden by consuming selected fruits and vegetables? Global Conference on Obesity, Nutrition and Health Disorders, October 7-8, 2019. Dubai, UAE.
58. <sup>In</sup>**Patil, B.S.** Sustainable Diet in the era of Global Transitions: Challenges and Opportunities, University of Agricultural Sciences-Banguluru, Karnataka, October 11, 2019.
57. <sup>In</sup>**Patil, B.S.** Global Obesity Epidemic or Disease: Is Fruits and Vegetables an answer? University of Horticultural Sciences, Bagalkot, Karnataka, October 15, 2019.
56. <sup>Keynote</sup>**Patil, B.S.** Singh, J., Acharya, P., Metrani, R., Shivanagoudra, S., Perez, J., G. Jayprakash. 2019. Hidden Treasures of the Cucurbitaceae: Health Benefits of Melons, from Watermelon to Bitter Melon. VI International Symposium on Cucurbits, ISHS, Ghent, Belgium. June 30-July 4, 2019.
55. Brinkley, S.C., Miller, R., Lombardini, L., **Patil, B.**, Jayprakash, G., and Margenot, A., The Search for Quality over Quantity: Evaluating the Effects of Climate-Resilient Management Practices on the Quality of Coffea arabica varieties Catuai and IHCAFE-90. Presented at the 24th annual Simposio Latinoamericano de Caficultura, Guatemala City, Guatemala September 3-7, 2019.
54. <sup>In</sup>**Patil, B.S.** Partnership between TAMU & Karnataka: Current status and prospectus for Future. Ministry of Agriculture-Government of Karnataka-February 19, 2019
53. <sup>Plenary</sup>**Patil, B.S.**, Jayprakash, G.K and J. Singh 2019. Fruits, Vegetables, and Medicinal Plants for the Prevention and Treatment of Disease: Untapped Potential and Unanswered Questions. 9th American Council of Medicinally Active Plants Conference, Dehradun, India, February 14-17, 2019.
52. <sup>In</sup>**Patil, B.S.** Role of Horticulture in the Era of Triple burden of malnutrition: Status, Challenges and Prospects for Implementing a Sustainable Diet, Indian Institute of Horticultural Research, Hesarghatta, India. February 18, 2019.

51. <sup>Keynote</sup> **Patil, B.S.** 2019. Horticulture, Nutrition, and Human Health: Status, Challenges, and Prospectus for Implementing a Sustainable Diet. 8th Indian Horticulture Congress. January 16-19, 2019, Raipur, India.
50. <sup>Keynote</sup> **Patil, B.S.**, 2018. Role of functional foods in NCD's: case studies and trends, ASEAN Biodiversity Resources of Functional Foods for Non-Communicable Diseases (NCDs), hosted by the Ministry of Science and Technology and TISTR, March 20, 2018. Bangkok, Thailand.
49. <sup>Plenary</sup> **Gomez, M. K.**, Singh, J., Jayaprakasha, G.K., and **Patil, B. S.**, Differential effect of harvest period and location on the levels of Phytochemicals, Radical Scavenging Activity and Bile Acid Binding Capacity of Dandelion leafy green,. International Horticulture Congress, Istanbul, ISHS, August 2018.
48. **Patil, B. S.**, 2018. Chief Guest and remarks- Inauguration of Norman Borlaug International Center for Agriculture Development. University of Agricultural Sciences, Dharwad, Karnataka, India, January 5, 2018.
47. <sup>In</sup> **Patil, B.S.**, Angadi, S.V., Senthold, A., 2018. Modeling the Effect of Environmental Conditions on Health-promoting Compounds of Melons. 7th Global Ag-MAP workshop, San Jose, Costa Rica, April 22-27, 2018.
46. <sup>In</sup> **Patil, B.S.**, Jashbir Singh and Jayaprakasha. 2018., From Table to Farm: A Dietary Paradigm Shift for Health, Sustainability, and Food Security. Word Food Conference, luFOST 2018. Mumbai, India-October 24-27, 2018.
45. <sup>Keynote</sup> **Patil, B.S.**, 2018, Sustainable diet to address food, nutritional security, and hunger: where we are, and where to go from here hosted by the Combined Congress, South Africa. January 17, 2018, Cape town, South Africa.
44. <sup>Plenary</sup> **Patil, B.S.**, Jayaprakasha, G.K., and Jashbir Singh. 2017. Role of novel food bioactives in human disease prevention: Challenges and Opportunities. Food Ingredient Asia International Conference, "Natural Functional Ingredients: An Innovative Solutions for Healthcare in Ageing Society. September 13-15, 2017. Bangkok, Thailand.
43. <sup>In</sup> **Goswami, R.**, Shetty, K., J., Jayaprakasha, G.K., and **Patil, B. S.**, Biotransformation of Bioactive Compounds in Horse Gram (*Macrotyloma uniflorum*). International Conference Nutraceutical and Functional Foods. October 22-25, 2017. Gunsan, South Korea.
42. <sup>In</sup> **Patil, B. S.**, Singh, J., Jayaprakasha, G.K., and UPLC-HR-QTO-MS Metabolite Profiling and Bioaccessibility of Polyphenols. 8th International Conference on Polyphenols and Health, Quebec City, Quebec, October 3-6, 2017.
41. <sup>In</sup> **Patil, B.S.**, 2017. Sustainable diet to address food, nutritional security and hunger. National Institute of Ecology. October 23, 2017, Seocheon, Chungcheongnam-do, South Korea.
40. <sup>In</sup> **Patil, B.S.**, 2017. Produce for Health: Challenges and Opportunities, September 12, 2017. Cheng Mai, University, Cheng Mai, Thailand.
39. <sup>Keynote</sup> **Patil, B.S.**, Jayaprakasha, G.K., Murthy, K.N.C. 2016. Beyond Vitamin C: The Diverse, Complex Health-promoting Properties of Citrus Fruits. III International Symposium on Underutilized Plant Species, 13th International Citrus Congress, Foz Do Iguacu, PR. Brazil, September 18-23, 2016.
38. <sup>Plenary</sup> **Patil, B.S.** 2016. Postharvest and processing effects on health promoting properties. 54 Brazilian Congress of Vegetables. Recife, Brazil.
37. <sup>Keynote</sup> **Patil, B.S.** 2016. Nexus of Nutritional & Food Insecurity and Hunger: Perspectives of Millets and FAV. Workshop- All India Coordinated Sorghum Improvement Project, April 25-27, 2016, Udaipur, India. Goal of the workshop was to demonstrate success stories of role of fruits and vegetable on human health in order to initiate research on millets and sorghum health benefits.

36. <sup>Keynote</sup> **Patil, B.S.**, Jayaprakasha, G.K., Singh, J., Angadi, S., and Tonapi, V. Underutilized plant species to address nutritional insecurity: challenges and opportunities, III International Symposium on Underutilized Plant Species, Madurai, TN, India, Aug 5-7, 2015.
35. <sup>In</sup> **Patil, B.S** and V. Tonapi. Achieving zero hunger. International Conference on Science, Technology and Policy for Achieving Zero Hunger Challenge, Chennai, India. August 7-9, 2015.
34. <sup>Plenary</sup> **Patil, B.S.** Current status of perceived benefits of pepper health benefits: Challenges and opportunities to increase consumption of pepper using health and nutritional benefits. International pepper conference, Vin Del Mar, Chile. November 17-21, 2014.
33. <sup>Keynote</sup> **Patil, B.S** R.M Uckoo and M.A. Palma: Consumers' changing perceptions of quality: Revisiting the science of fruit and vegetable cultivation for improved health benefits. XXIX International Horticulture Congress, Brisbane, Australia- Symposium 11- August 17-22, 2014.
32. <sup>In</sup> **Patil, B.S** R.M Uckoo and Jayaprakasha, G.K. Emerging trends in hyphenated separation and isolation technologies of naturally occurring compounds from selected fruits, vegetables and spices. XXIX International Horticulture Congress, Brisbane, Australia- Symposium 11- August 17-22, 2014.
31. <sup>In</sup> **Patil, B.S.** VFIC's Foods for Health: New Era of Healthy Eating. Plant and Food Research Institute, Auckland, New Zealand Australia-August 2014.
30. <sup>Keynote</sup> **Patil, B.S** R.M Uckoo and Jayaprakasha, G.K. Food for Health: Linking Agriculture to Nutrition and Health. First International Bitter Gourd Conference, March 201-21, 2014, Hyderabad, India.
29. <sup>In</sup> **Patil, B.S.** Food for Health: Linking Agriculture to Nutrition and Health. Directorate of Oil Seeds, Govt of India, Hyderabad, India. March 22, 2014.
28. <sup>Plenary</sup> **Patil, B.S.**, Case Studies of Commercialization of Food: Challenges and Opportunities at Each Stages from Farm to Clinic. Third National symposium USAID-Tropical Plants Curriculum Project: "Opportunities and Prospects of Commercialization of Indigenous Plant-Based Products". October 2013. Udyana University, Bali, Indonesia.
27. <sup>Plenary</sup> **Patil, B.S.**, Jayaprakasha, G.K. and R.M. Uckoo. Paradigm shift in intersection of horticulture, nutrition and health sciences for Food and Nutritional Security: Lessons learned and future perspectives. Fifth International Symposium on Human Health Effects of Fruit and Vegetables. Dharwad, India. January 2013.
26. <sup>Plenary</sup> **Patil, B.S.** Uckoo, R.M. and Jayaprakasha, G.K.(2012), Historical perspectives of dietary habits and their Emerging evidences on human health. Presentation at the International Food Conference Future of Food Factors. October 3-4, 2012, Jakarta, Indonesia.
25. <sup>In</sup> **Patil, B.S.** Grapefruit Drug Interaction: Myth or Realty?: Drug Institute, University of Jerusalem, Israel- February 23, 2012.
24. <sup>In</sup> **Patil, B.S.** Foods for Health: Current research at the VFIC with emphasis on Citrus. Volcani Agriculture Center, Israel- February 27, 2012.
23. <sup>Keynote</sup> **Patil, B.S.** Vegetables: From the Origin to the Challenges of Health and Sustainability: Research trends at VFIC and Texas- University of Vicoso, Brazil- 51st Vegetable Crops Brazilian Congress /III Latin American Symposium of Herbs and Medicinal Plants- July 2011..
22. <sup>Keynote</sup> **Patil, B.S.** Uckoo, R.M. and Jayaprakasha, G.K.(2011), A Perspective of Foods for Health in Developing and Developed Countries: Challenges and Opportunities- Presentation at the Indonesian Food Conference- Nasional Perhimpunan Ahli Teknologi Pangan (PATPI), September 15-17, 2011, Manado, Indonesia.
21. Kim, J., Jayaprakasha, G.K., and **Patil, B.S.** Citrus obacunone exhibit anti-proliferative and anti-aromatase activity in vitro by inhibiting p38 MAPK signaling pathway in MCF-7 human breast adenocarcinoma cells, presented at ESPCA on Natural Products, Medicinal

- Chemistry and Organic Synthesis Integrated Solutions for Tomorrow's World, 14th - 18th August 2011, São Paulo, Brazil.
20. <sup>In</sup>**Patil, B.S.**, Crosby, K., Byrne, D. 2010. Breeding Vegetables and Fruits to Improve Human Health: A Collaborative Effort of Multidisciplinary Scientists, Stakeholders and Consumers Using System-Based Approach. August 22-27, 2010. Symposium 07.008-"Emerging Health Issues in Fruits and Vegetables" Volume 2: page 332, 28th International Horticulture Congress, Lisbon, Portugal.
  19. <sup>In</sup>**Patil, B.S.**, VFIC's Foods for Health: A Global Partnership Effort of Stakeholders, Trans-Disciplinary Scientists, Students, Educators and Consumers. August 22-27, 2010. 28th Workshop 23-"Networking the FAV and Health Networks" Volume 1: page 372, 28th International Horticulture Congress, Lisbon, Portugal.
  18. <sup>In</sup>**Patil, B.S.**, Chaudhary, P., Porat, R., Jayaprakasha, G.K. 2010. Grapefruit degreening influences health promoting limonoids and flavonoids. August 22-27, 2010. Symposium 07.008-"Emerging Health Issues in Fruits and Vegetables" Volume 2: page 338, 28th International Horticulture Congress, Lisbon, Portugal.
  17. <sup>In</sup>**Patil, B.S.**, Pre and Postharvest Effects on Health Promoting Compounds: Perspectives in the current context of Human Health Related studies. International Conference on Post Harvest management and Valorisation of Agri -Horticultural Produce, February 19-20, 2010, New Delhi, India.
  16. Participated in group discussion and attended the International conference on biodiversity in relation to food and human security in warming planet. In memory of Dr Norman E Borlaug- Feb 15-17, 2010, Chennai, India.
  15. <sup>In</sup>Kim, J., G.K. Jayaprakash, G.K., **Patil, B.S.**, Lemon bioactive limonoid aglycones induces breast cancer cell arrest but not apoptosis. Annual International Society for Nutraceutical and Functional Conference, San Francisco, CA- November 1-4, 2009.
  14. <sup>In</sup>**Patil, B.S.**, Jayaprakasha, G.K. and K.N.C Murthy. Prevention of Cancer by naturally occurring bioactive compounds: Conventional wisdom or reality? 3rd International Symposium on Human Health Effects of Fruit and Vegetables. Avignon, France. October 2009.
  13. <sup>Plenary</sup>**Patil, B.S.**, Jayaprakasha, G.K., and K.N.C Murthy. Citrus and Colon cancer prevention: Current research and Future Prospectus. October 26-30, 2008. 11th International Citrus Congress, Wuhan, China.
  12. <sup>Plenary</sup>**Patil, B.S.**, Jayaprakasha, G.K., and K.N.C Murthy. Multitude Health Benefits of Fruits and vegetables: Scientific oddity or clinical reality. December 16-19, 2008. 6th International Food Convention, Mysore, India.
  11. <sup>In</sup>**Patil, B.S.**, and Jayaprakasha, G.K. Foods for Health current perspectives and future challenges, presented at ICFOST 2007, Dec. 31-Jan 2, 2008, Karagpur, India.
  10. <sup>In</sup>**Patil, B.S.**, Jayaprakasha, G.K., and K.N.C Murthy. January, 2007. Health Maintaining Properties of Citrus Colorless Bioactive Compounds: Underlying Mechanism-Antioxidant Activity? Third biennial society meeting for Free Radical Research-Asia and Sixth Annual Meeting of the Society for Free Radical Research-India (SFRR-India). Lonawala, India.
  9. <sup>In</sup>**Patil, B.S.** Foods for Health: A Global Horticulturists Opportunity to Demonstrate Healthy Living. 28th International Horticultural Congress. August, 2006, Seoul, Korea.
  8. Park, S.H., N. Cheng, J.N. Pittman, K.S. Yoo, J. Park, T. Kang, C. Kim, J. Han, S. Kim, L.M. Pike, R. Smith, **Patil, B.S.**, and K. Hirschi. Designing Vegetables and Fruits for Improved Nutrition and Health – Calcium. 27th International Horticultural Congress. August, 2006, Seoul, Korea.
  7. <sup>In</sup>**Patil, B.S.** Challenges and Opportunities of Exploring Health Promoting Properties of Indigenous Vegetables. First International Symposium on Indigenous Vegetable. December, 2006, Hyderabad, India.

6. <sup>In</sup>Girenavar, B., Jayaprakasha, G.K., **Patil, B.S.**, Grapefruit-Drug Interaction: Is it Limited to Only Juice? 28th International Horticultural Congress, August 2006, Seoul, Korea.
5. <sup>In</sup>**Patil, B.S.** E.D. Harris, E.G. Miller. Impact of Citrus Limonoids on Human Health. International Symposium on Human Health Effects of Fruits and Vegetables. August, 2005, p-41. Quebec City, Canada.
4. <sup>In</sup>Harris, E.D., S.M. Poulouse and **Patil, B.S.**, Citrus Limonoids as Novel, Effective Anticancer Agent. International Symposium on Human Health Effects of Fruits and Vegetables. p-28. August, 2005, Quebec, Canada.
3. <sup>In</sup>**Patil, B.S.** Biological Activities of Citrus Beyond Vitamin C. Second International Congress on Plant Physiology, January, 2003, New Delhi, India. (Lead speaker for session 7).
2. <sup>In</sup>**Patil, B.S.** and K. Shellie. Carotenoids and Vitamin C Changes by Semi-Commercial Ultra-Low Oxygen Storage in Grapefruit. Proceeding XXVIth International Society of Horticultural Sciences. Toronto, August, 2002, Canada.
1. Vanamala, J., G. Cobb, L. Pike and **Patil, B.S.** Ionizing radiation effect on postharvest quality of 'Rio Red' grapefruits. XXVIth International Society of Horticultural Sciences, August, 2002, Toronto, Canada.

## National

222. <sup>Keynote</sup> **Patil, B.S.** The Nexus of Food, Ag Engineering, and Nutritional Security in the era of climate change, Agricultural and Biological Engineering Graduate Student Association (ABE-GSA) industry symposium, Purdue University, West Lafayette, IN-Feb 7, 2020.
221. <sup>Keynote</sup> **Patil, B.S.** Jayaprakasha, G.K., Achyara, P. and Singh, J. 2019. Influence of food processing technology on nutritional security. Food Technology Conference in Los Angeles. November 2019.
220. <sup>In</sup>**Patil, B.S.** Sustainable diet to address food, nutritional security, and hunger: where we are, and where to go from here- Department of Horticultural Science, Purdue University, West Lafayette, IN. October 2019.
219. <sup>In</sup>**Patil, B.S.**, Jashbir Singh and Jayaprakasha. 2019., Optimization of factors influencing quantitation of carotenoids of melon. ASHS National Meeting, Los Vegas, July 30-Aug 3rd, 2019
218. Semper, J., P. Acharya, G.K. Jayaprakasha, **B.S. Patil**, 2019. Seed Priming with Nanomaterials Prepared from Agro-Industrial Byproducts Modulate the Growth and Metabolome of Onion Seedlings. American Chemical Society (ACS), Aug 25-29, San Diego, CA.
217. Acharya, P., G.K. Jayaprakasha, K. Crosby, J. Jifon, **B.S. Patil**. 2019. Gold Nanoparticles Enhances Seed Germination, Growth and Yield of Onion (*Allium cepa* L.). American Society for Horticultural Sciences (ASHS), July 21-25, Las Vegas, NV.
216. Acharya, P., G.K. Jayaprakasha, **B.S. Patil**. 2019. Postharvest Storage and Nanoparticle Treatment Alter the Bioactive Compounds of Diploid and Triploid Watermelon (*Citrullus Lanatus*). American Society for Horticultural Sciences (ASHS), July 21-25, 2019. Las Vegas, NV.
215. Fix, A., **Patil, B.S.**, Leskovar, D.I., Rooney, W.L., Smith, W. and Crosby, K. 2019. Mission Melon: Improving Qualitative Traits in *Cucumis Melo* Using Phenomics. American Society for Horticultural Sciences (ASHS), July 21-25, Las Vegas, NV.
214. Silva, A.L., Coolong, T.W., Crosby, K. and **Patil, B.S.** 2019. Cantaloupe and Honeydew Yield and Quality Performance in Georgia. American Society for Horticultural Sciences (ASHS), July 21-25, Las Vegas, NV.
213. **Patil, B.S.**, Jayaprakasha, G.K., and Singh, J. 2019. Optimization of Factors Influencing Quantitation of Carotenoids of Melon. American Society for Horticultural Sciences (ASHS), July 21-25, Las Vegas, NV.

212. Jifon, J., Crosby, K., and **Patil, B.S.** 2019. Muskmelon (*Cucumis melo* L.) Yield and Quality Responses to Potassium Fertilizer Sources. American Society for Horticultural Sciences (ASHS), July 21-25, Las Vegas, NV.
211. <sup>In</sup>**Patil, B.S.** The nexus of Food Security & Nutritional Security, Sustainability and Hunger: Multidisciplinary Educational and Research Opportunities and Challenges. American Horticultural Sciences National Meeting, Kona, Hawaii. September 19-22, 2017-Colloquia entitled "Food and Nutritional Security in the Developing World: Challenges and Opportunities".
210. <sup>Plenary</sup>**Patil, B.S.**, Jayaprakasha, G.K., Corleto, K., J. Singh., R. Goswami. Healthy Functional Foods: Effects of Processing and Storage on Health-Promoting Molecules. 8th annual conference American Council on Medicinally Active Plants, Clemson, SC. June 22-24, 2017.
209. <sup>In</sup>**Patil, B.S.** Challenges and opportunities for international collaborations to improve value added horticulture industry-American Horticultural Sciences National Meeting, August 10, 2016-Workshop entitled "Horticulture Industry in India: Opportunities and Challenges" hosted by the AHIO
208. <sup>In</sup>Jayaprakasha, G.K., K.C. Crosby and **Patil, B.S.** Optimization of aroma compounds determination in *Capsicum annuum* cultivars using HS-SPME coupled with GC-MS, 252th ACS National Meeting, Philadelphia, PA, Aug. 21-26, 2016.
207. Lee, J., Jayaprakasha, G.K., K.C. Crosby., and **Patil, B.S.** Growing Environment Effects the Levels of Health Promoting Compounds in Tomato, ASHS National Meeting, Atlanta, Aug 7-11, 2016.
206. Gomez. M., R. L. Jarret, Jayaprakasha, G.K., K.C. Crosby, and **Patil, B.S.** An Optimized Accelerated Solvent Extraction Method for the Isolation of Health Promoting Compounds from Non Pungent Peppers, ASHS National Meeting, Atlanta, Aug 7-11, 2016.
205. Burkat, N., J. Singh, Jayaprakasha, G.K., and **Patil, B.S.** Impact of Harvesting Time on the Levels of Nitrate and Flavonoids in Spinach, ASHS National Meeting, Atlanta, Aug 7-11, 2016.
204. Corleto, K., J. Singh, Jayaprakasha, G.K., and **Patil, B.S.** Determination and Quantification of Amino Acids in Vegetables by HPLC Fluorescence Detection, ASHS National Meeting, Atlanta, Aug 7-11, 2016.
203. Jayaprakasha, G.K., and **Patil, B.S.**, Characterization of tomato volatiles by headspace-solid-phase micro extraction, 250th ACS National Meeting, Boston, MA, Aug. 16-20, 2015.
202. Kommein, S and **Patil, B.S.**, Antioxidant Activity and Inhibition of Amylase by Washington Navel Oranges, 250th ACS National Meeting, Boston, MA, Aug. 16-20, 2015.
201. Jayaprakasha, G.K., and **Patil, B.S.**, Pressurized liquid sequential and direct extraction of phytochemicals from Dancy tangerines for their comprehensive characterization by LC-DAD-ESI-HR-MS 250th ACS National Meeting, Boston, MA, Aug. 16-20, 2015.
200. Perez, J.L., Jayaprakasha, G.K., and **Patil, B.S.** A Bitter Crop with Sweet Potential for Producers and Human Health, ASHS Meeting, New Orleans, Aug 4-7, 2015.
199. Uckoo, R.M., Jayaprakasha, G.K., and **Patil, B.S.** 2014. Potential Health Benefits Derived from Components in Seeds, ASHS Annual Conference, Orlando, FL, July 27-Aug. 01, 2014.
198. Kim, E., Davidson, L.A., **Patil, B.S.**, Jayaprakasha, G.K., Callaway, E.S. Turner, N.D., and Chapkin, R.S. 2014. Effects of chemoprotective diets on crypt adult stem cells û the cells of origin of colon cancer, *The FASEB Journal*, 28, 819.1, 2014.
197. Harris, M.A.<sup>s</sup>, Jayaprakasha, G.K., **Patil, B.S.** Isolation of bioactive compounds from Dancy tangerine using hyphenated liquid chromatography with photodiode array detection. 247th ACS National Meeting, Dallas, TX, March 16-20, 2014.

196. Myers, S., Uckoo, R.M., Jayaprakasha, G.K., Wallace, R., **Patil, B.S.** Quality and antioxidant activity of strawberries cultivated in high tunnel in Texas. 247th ACS National Meeting, Dallas, TX, March 16-20, 2014.
195. <sup>ln</sup>Perez, J.L., Jayaprakasha, G.K., and **Patil, B.S.** Separation of cucurbitane-type triterpenoids from bitter melon using flash chromatography, 246th ACS National Meeting, Indianapolis, IN, September, 8-12, 2013.
194. <sup>ln</sup>Jayaprakasha, G.K., and **Patil, B.S.** Simultaneous quantitation and identification of L-citrulline and sugars in watermelon samples using 1H NMR, 246th ACS National Meeting, Indianapolis, IN, September, 8-12, 2013.
193. <sup>ln</sup>Chaudhary, P., Jayaprakasha, G.K., and **Patil, B.S.** Headspace and solid-phase micro-extraction methods for the identification of volatile flavor compounds in grapefruits Priyanka Chaudhary, 246th ACS National Meeting, Indianapolis, IN, September, 8-12, 2013.
192. <sup>ln</sup>Uckoo, R.M., Jayaprakasha, G.K., and **Patil, B.S.** Rapid hyphenated separation and identification of polymethoxyflavones in citrus fruits using UHPLC-MS coupled to electrospray time-of-flight mass spectrometry 246th ACS National Meeting, Indianapolis, IN, September, 8-12, 2013.
191. Kulkarni, A.; Jayaprakasha, G.K.; and **Patil, B.S.** Rapid determination of pyruvic acid in different varieties and cultivars of onions using microplate reader, ASHS Annual Conference, Palm Desert, CA, July 22–25, 2013.
190. <sup>ln</sup>Jayaprakasha, G.K.; and **Patil, B.S.** In vitro antioxidant activities of Annona squamosa leaf and identification of bioactives by LC-ESI-MS-QTOF, ASHS Annual Conference, Palm Desert, CA, July 22–25, 2013.
189. Uckoo, R., Smith, B., Jayaprakasha, G.K., Pillai, S.D., Crosby, K., and **Patil, B.S.** Electron beam irradiation of fresh cut cantaloupe under modified atmosphere extends the shelf life and maintains the quality, ASHS Annual Conference, Palm Desert, CA, July 22–25, 2013.
188. Chaudhary, P., Jayaprakasha, G.K., **Patil, B.S.**, Influence of ethylene treatment on bioactive compounds of Rio Red grapefruit, ASHS Annual Conference, Palm Desert, CA, July 22–25, 2013.
187. Chaudhary, P., Jayaprakasha, G.K., **Patil, B.S.**, Effect of postharvest treatments on volatiles present in Rio Red grapefruit juice, ASHS Annual Conference, Palm Desert, CA, July 22–25, 2013.
186. Leskovar, D., Palma, M., Patil, B.S., SWOT Analysis of the Vegetable and Fruit Programs in Texas. Annual Conference, Palm Desert, CA, July 22–25, 2013.
185. Wesley, D. D., T.P. Garcia, R.J. Carroll, **B.S. Patil**, and N.D. Turner. 2013. Suppression of early colon cancer lesions by apigenin and naringenin is in part due to their down-regulation of p21, TLR-4 and MCT-1 expression. The FASEB, J. 27. 639-7.
184. <sup>ln</sup>**Patil, B.S.**, Postharvest and processing effects on human health properties. Presented at the Emerging Postharvest Technologies workshop hosted by the University of California-Davis, March 14-15, 2013.
183. <sup>ln</sup>Jayaprakasha, G.K., Murthy, K.N.C, R.M. Uckoo and **Patil, B.S.**, Lemonquats volatile demonstrate antiproliferative activity against androgen dependent human prostate cancer (LNCaP) cells. Presented at 245th ACS National Meeting, New Orleans, LA, April 7-11, 2013.
182. <sup>ln</sup>Jayaprakasha, G.K. and **Patil, B.S.** Rapid 2D chromatographic separation of curcuminoids and their quantification by NMR spectroscopy. Presented at 245th ACS National Meeting, New Orleans, LA, April 7-11, 2013.
181. <sup>ln</sup>Bae, H., Jayaprakasha, G.K., and **Patil, B.S.**, Relationship between antioxidant activity and bioactive compounds in hot peppers, Presented at 243rd ACS National Meeting, San Diego, CA, March 25th 29th , 2012.

180. <sup>ln</sup>Crosby, D. Byrne, K. Hirschi. 2012. The intersection of plant breeding, human health and nutritional security: Lessons learned and future Perspectives. Colloquia at the 109th Annual Conference of the American Society for Horticultural Science, July 31-August 3, 2012, Miami, Florida.
179. Chaudhary, P. R., Jayaprakasha, G.K., Porat, R. and Patil B. S. Maintaining fruit quality and nutritional value of Star Ruby grapefruit by utilizing modified atmosphere packaging during prolonged storage. Poster presentation at the American Society for Horticultural Science, July 31-August 3, 2012, Miami, Florida. Third Place for graduate student poster competition in American Horticulturists of Indian Origin working group.
178. Uckoo, R.M., Jayaprakasha, G.K., and **Patil, B.S.** Influence of household processing techniques on Grapefruit (Citrus paradisi Var. Macfad) bioactive compounds. Oral presentation at the 109th Annual Conference of the American Society for Horticultural Science, July 31-August 3, 2012, Miami, Florida.
177. <sup>ln</sup>**Patil, B.S.**, Uckoo, R.M., and Jayaprakasha, G.K. Overview of bioactive compounds derived from tropical fruits and vegetables and their implications on human health. Presentation at the workshop during 109th Annual Conference of the American Society for Horticultural Science, July 31-August 3, 2012, Miami, Florida.
176. <sup>ln</sup>**Patil, B.S.**, Uckoo, R.M., and Jayaprakasha, G.K. VFIC's Foods for Health: In the Context of Asian Fruits and Vegetables. Presentation at the workshop during 109th Annual Conference of the American Society for Horticultural Science, July 31-August 3, 2012, Miami, Florida.
175. Chebrolu, K.K. Jayaprakasha, G.K., Jifon, J., **Patil, B.S.**, Influence of Production Practices and Storage on Grapefruit Carotenoids, Limonoids and Fruit Quality Attributes, presented at 109th Annual American Society for Horticultural Sciences Conference, July 31-August 3, 2012, Miami, Florida.
174. <sup>ln</sup>Kim, J., Jayaprakasha, G.K., **Patil, B.S.**, Antiproliferative activity and uptake of obacunone in MCF-7 human breast adenocarcinoma cells, Presented at 243rd ACS National Meeting, San Diego, CA, March 25th - 29th , 2012.
173. Uckoo, R., Jayaprakasha, G.K., **Patil, B.S.**, Flash chromatography separation of polymethoxyflavones from Citrus miaray and their biofilm inhibitory activity, Presented at 243rd ACS National Meeting, San Diego, CA, March 25th - 29th , 2012.
172. Chaudhary, P.R., Jayaprakasha, G.K., **Patil, B.S.**, Effect of temperature conditioning on nutritional content of Star Ruby grapefruit, Presented at 243rd ACS National Meeting, San Diego, CA, March 25th 29th , 2012.
171. Chebrolu, K.K. Jayaprakasha, G.K., **Patil, B.S.**, Isolation and purification of minor bioactives from grapefruit, Presented at 243rd ACS National Meeting, San Diego, CA, March 25-29th , 2012.
170. <sup>ln</sup>Lee, E.J., Yoo, K.S., Jayaprakasha, G.K., Murthy, K.N.C., A.C. Butella, C. A. Thomson, and **B.S. Patil**. Beta Sweet™: a crunchy purple carrot with potential benefits in reducing the risk of prostate cancer and of breast cancer recurrence. S-294 Research Showcase as part of the United Fresh'2012 convention in Dallas, TX, April 29-May 2, 2012
169. **Patil, B.S.** Consumer to Farm: A partnership among scientists, industry and stakeholders. S-294 Research Showcase as part of the United Fresh'2012 convention in Dallas, TX, April 29-May 2, 2012
168. Jayaprakasha, G.K., Murthy, K.N.C., **Patil, B.S.**, Inhibition of pancreatic cancer cells by furocoumarins from Poncirus trifoliata, presented at 2012 International Congress on Natural Products Research, held on , July 28th – Aug 1st, New York.



167. Chaudhary, P., Jayaprakasha, G.K., Porat, R., and **Patil, B.S.** (2011), Influence of production practices and storage on grapefruit vitamin C and flavanones, Presented to American Society for Horticultural Sciences National Meeting, September 25-28, 2011, Waikoloa, Hawaii.
166. Chebrolu, K.K., Jayaprakasha, G.K., Jifon, J., and **Patil, B.S.**, (2011), Influence of production practices and storage on grapefruit vitamin C and flavanones, Presented to American Society for Horticultural Sciences National Meeting, September 25-28, 2011, Waikoloa, Hawaii.
165. Vikram, A., Jayaprakasha, G.K., **Patil, B.S.**, (2011), -Sitosterol glucoside - a novel inhibitor of Escherichia coli O157:H7 biofilm and motility, Presented to American Society for Horticultural Sciences National Meeting, September 25-28, 2011, Waikoloa, Hawaii.
164. Uckoo, R.M., Jayaprakasha, G.K., and **Patil, B.S.** Separation of furocoumarins and polymethoxyflavones from grapefruit byproducts using flash chromatography. Poster presentation at the 108th Annual Conference of the American Society for Horticultural Science (ASHS), September 25-28, 2011, Waikoloa, Hawaii.
163. <sup>ln</sup>Jayaprakasha, G.K., Murthy, K.N.C., and **Patil, B.S.**, Chemoprofiling of Palestine sweet lime (*Citrus limmetioides*) volatiles and their inhibitory role on colon cancer cells proliferation, Presented at 242nd ACS National Meeting, Denver, CO, August 28-30, 2011.
162. <sup>ln</sup>Jayaprakasha, G.K., Murthy, K.N.C., and **Patil, B.S.**, Characteristic volatile compounds from Nagami kumquats (*Fortunella margarita*) and their cell proliferation effect, Presented at 242nd ACS National Meeting, Denver, CO, August 28-30, 2011.
161. <sup>ln</sup>Borochoy-Neori, H., Lazarovitch, N., **Patil, B. S.**, Holland, D. Climate and salinity effects on health promoting properties in the pomegranate (*Punica granatum L.*) fruit arils. Presented at 242nd ACS National Meeting, Denver, CO, August 28-30, 2011.
160. <sup>ln</sup>**Patil, B.S.**, Murthy, K.N.C., Jayaprakasha, G.K. Byproducts from fruits and vegetables and cancer prevention, Presenting at PACIFICHEM, Honolulu, Hawaii, Dec. 15th – 20th, 2010.
159. <sup>ln</sup>Jayaprakasha G.K, Murthy K.N. C. and **Patil, B.S.**., Anticancer potential of bioactive components from natural sources, Cancer Prevention & Research Institute of Texas (CPRIT) Annual Conference, Austin, TX, Nov. 17-18th, 2010.
158. Patil. B.S. and Knobloch, Educating Cancer Prevention through an Interdisciplinary Foods for Health Course Organized by a Collaborative Multi-state Land-Grant University Teaching Partnership Cancer Prevention & Research Institute of Texas (CPRIT) Annual Conference, Austin, TX, Nov. 17-18th, 2010.
157. Rezenom, Y.H., Lee, E.J., Yoo, K.S., Russell, D.H., **Patil, B.S.** Identification of various pink-red pigments formed by reacting various amino acids with crushed Onion (*Allium cepa L.*) using high performance liquid chromatography with diode array detector and tandem mass spectrometry. PITTCO Conference & Expo, March 13-18, 2011, Gorgia, Atlanta.
156. Yoo, K.S., Lee, E.J., Cho, J.E., Lee, S.K., **Patil, B.S.** An Overview of Blue or Pink Discoloration of Garlic and Onion Tissues after Maceration. International Allium Conference 2011, Nevada.
155. Murthy, K.N.C., Jayaprakasha, G.K., and **Patil, B.S.**, Citrus monoterpene induces apoptosis and inhibits angiogenesis in human colon cancer cells. Presented at 240th ACS National Meeting, Boston, MA, August 22-26, 2010.
154. <sup>ln</sup>Uckoo, R.M., Jayaprakasha, G.K., and **Patil, B.S.**, Rapid method for the separation of polymethoxyflavones using flash chromatography. Presented at 240th ACS National Meeting, Boston, MA, August 22-26, 2010.
153. <sup>ln</sup>Jayaprakasha, G.K., and **Patil, B.S.** Bioactive secondary metabolites from agro-food industrial byproducts as source of dietary supplements, Presented at 240th ACS National Meeting, Boston, MA, August 22-26, 2010.

152. <sup>ln</sup>Kim, J., Jayaprakasha, G.K., Vikram, A., and **Patil, B.S.** Methyl nomilinate inhibits SW480 colon cancer cells growth through modulation of cell cycle regulators. Presented at 240th ACS National Meeting, Boston, MA, August 22-26, 2010.
151. <sup>ln</sup>Jayaprakasha, G.K. and **Patil, B.S.**, Extraction Efficiency of Carotenoids and Their Antioxidant Activity, Presented at 239th ACS National Meeting, San Francisco, CA, USA, March 21 –25, 2010.
150. Chebrolu, K., Jayaprakasha, G.K., Jifon, J., and **Patil, B.S.** Solvent Selection Influences Grapefruit Flavonoid Extraction, Presented at 107th Annual Conference of the American Society for Horticultural Science, August 2–5, 2010, Palm Springs, California
149. Uckoo, R.M., Jayaprakasha, G.K. **Patil, B.S.**, Organic management practices enhances Meyer lemon bioactives, Presented at 107th Annual Conference of the American Society for Horticultural Science, August 2–5, 2010, Palm Springs, California.
148. Chaudhary, P., Jayaprakasha, G.K. Porat, R., **Patil, B.S.** Ethylene treatment minimally affects Star ruby grapefruit bioactive compounds and their radical scavenging activity, Presented at 107th Annual Conference of the American Society for Horticultural Science, August 2–5, 2010, Palm Springs, California.
147. <sup>ln</sup>**Patil, B.S.** Foods for Health: Efforts to expand programs in India to increase consumption of indigenous vegetable and fruits. Invited speaker for workshop during 107th Annual Conference of the American Society for Horticultural Science, August 2–5, 2010, Palm Springs, California.
146. Vikram, V., Jayaprakasha, G.K. Jesudhasan, P.R., Pillai, S.D., and **Patil, B.S.** Naringenin antagonizes the invasive potential of Salmonella Typhimurium, Presented at 107th Annual Conference of the American Society for Horticultural Science, August 2–5, 2010, Palm Springs, California.
145. <sup>ln</sup>Murthy, K. N.C., Jayaprakasha, G.K. and **Patil, B.S.**, Citrus monoterpenes and its metabolites inhibit human prostate cancer cells, Presented at 239th ACS National Meeting, San Francisco , CA, USA, March 21st – 25th, 2010.
144. <sup>ln</sup>Bae, H. Jayaprakasha, G.K., Jifon, J., **Patil, B.S.**, Optimum quantification of a potent antioxidant, myricetin, needs a specific extraction solvent. National Pepper Conference, November 13, 2009, Weslaco, TX.
143. <sup>ln</sup>Bae, H. Jayaprakasha, G.K., Crosby, K., Leskovar, D., Jifon, J., **Patil, B.S.**, Cultivars and their growing systems influence ascorbic acid contents in peppers. National Pepper Conference, November 13, 2009, Weslaco, TX.
142. Kim, W., R. Y. Fan, R. Smith, **Patil, B.S.**, G.K. Jayaprakasha, D.N. McMurray and R.S. Chapkin. Dietary curcumin and limonin suppress murine CD4+ T-cell activation. Presented at FASEB Experimental Biology Conference, New Orleans, LA, April 18-22, 2009.
141. <sup>ln</sup>Murthy, K.N.C., Jayaprakasha, G.K. and **Patil, B.S.** Citrus bioactive compounds can inhibit human colon cancer by altering multiple pathways. Presented at 238th ACS National Meeting, Washington DC, USA, Aug. 16th – 20th, 2009.
140. Herrera, S., **Patil, B.S.**, and F. Deyhim. Citrus Juice Modulates Bone Strength in Male Senescent Rat Model of Osteoporosis. AAFSC 2009.
139. <sup>ln</sup>**Patil, B.S.**, KN.C. Murthy and G.K. Jayaprakasha, Influence of market simulated storage conditions on biological activity of carrots, presented at 238th ACS National Meeting, Washington DC, USA, Aug. 16th – 20th, 2009.
138. <sup>ln</sup>Murthy, KNC., G.K. Jayaprakasha and **Patil, B.S.**, An oxygenated citrus triterponoid, obacunone, inhibits human pancreatic cancer cells, Presented at 238th ACS National Meeting, Washington DC, USA, Aug. 16th – 20th, 2009.
137. <sup>ln</sup>**Patil, B.S.** Jayaprakasha, G.K, Vikram, A, Indigenous Crops: Exploring Health Promoting Properties, HortScience 44: 980-980, 2009.
136. Jayaprakasha, G.K.; Jadegoud, Y.; Nagana Gowda, G.A.; **Patil, B.S.** NMR structural characterization and inhibition of colon cancer cells by components of Citrus aurantium l.:

- Presented at 17th International Society for Magnetic Resonance Medicine, Hawai, 18 – 24 April 2009.
135. Patil, J.R., K. N. C. Murthy, G.K. Jayaprakasha, Mahadev Chetti, **Patil, B.S.** Pancreatic cancer inhibitory effects of Limonoids and flavonoids of Citrus aurantifolia Swingle. Presented at 237th ACS National Meeting, Salt Lake City, Utah, USA, March 22nd to 26th, 2009
  134. <sup>ln</sup>**Patil, B.S.** Murthy, KNC., G.K. Jayaprakasha. Citrus superfruits: multiple potential health benefits. Nutracon2009. Anaheim, CA, March 4-5, 2009.
  133. <sup>ln</sup>Uckoo, R.C. Jayaprakasha, G.K., S.D. Nelson, and **Patil, B.S.**, Developmental Variation of Flavonoids in Citrus Cultivars, Presented at 236th ACS National Meeting, Philadelphia, USA, August 17-21, 2008.
  132. <sup>ln</sup>Bae, H., Jayaprakasha, G.K., John Jifon, and **Patil, B.S.** Optimization of extraction efficiency of pepper flavonoids and their relationship between phenolics, and antioxidant activity, Presented at 236th ACS National Meeting, Philadelphia, USA, August 17-21, 2008.
  131. <sup>ln</sup>Perez, J.L. Jayaprakasha, G.K. and **Patil, B.S.** Changes in chemopreventive D-glucaric acid levels of grapefruit due to variety and season by high-performance liquid chromatography, Presented at 236th ACS National Meeting, Philadelphia, USA, August 17-21, 2008.
  130. <sup>ln</sup>Murthy, K.N.C., Jayaprakasha, G.K. and **Patil, B.S.** Prevention rendered by purple carrot photochemicals against metal induced oxidative stress, Presented at 236th ACS National Meeting, Philadelphia, USA, August 17-21, 2008.
  129. <sup>ln</sup>Murthy, K.N.C. Jayaprakasha, G.K. and **Patil, B.S.** Mechanism of pancreatic cancer prevention by aglycones of citrus, Presented at 236th ACS National Meeting, Philadelphia, USA, August 17-21, 2008.
  128. Murthy, K.N.C., Jayaprakasha, G.K. and **Patil, B.S.**, Citrus limonoids and turmeric curcuminoids synergistically inhibits proliferation of colon cancer cells, presented at ASHS Annual Conference 21-24th July 2008, Orlando, Florida.
  127. Chebrolu, K., Jayaprakasha, G. K., Jifon, J. and **Patil, B. S.** Rapid method to quantify flavonoids in grapefruit using high performance liquid chromatography. Hortscience, 2008, 43(4):1114.
  126. Kim, J., Jayaprakasha, G.K. Murthy, K.N.C., and **Patil, B.S.** Limonoids Implicated Extrinsic Apoptotic Signaling Pathway in Breast Cancer Cells, presented at ASHS Annual Conference 21-24th July 2008, Orlando, Florida.
  125. Uckoo, R.M., Jayaprakasha, G.K., Nelson, S.D., **Patil, B.S.** Simultaneous Determination of Citrus Amines and Organic acids using a Rapid HPLC Technique. presented at ASHS Annual Conference 21-24th July 2008, Orlando, Florida.
  124. Patil, J.R., Murthy, K.N.C., Jayaprakasha, G.K., Chetti, M.B., and **Patil, B.S.**, Lime juice - A potential source for pancreatic cancer prevention presented at ASHS Annual Conference 21-24th July 2008, Orlando, Florida.
  123. Bae, H., Jayaprakasha, G.K., Jifon, J., and **Patil, B.S.** Comparison of Sample Preparation for the Flavonoids Analysis in Pepper, presented at ASHS Annual Conference 21-24th July 2008, Orlando, Florida.
  122. Patil, J.B., Murthy, K.N.C, Jayaprakasha, G.K and **Patil, B.S.**, Maroon carrot extracts induce apoptosis in human breast cancer cells, Presented at 235th ACS National Meeting, April 6th to 10th, 2008, New Orleans, USA.
  121. Murthy, K. N.C, Jayaprakasha, G.K and **Patil, B.S.**, Induction of apoptosis mediated cytotoxicity by citrus obacunone and its glucoside in human prostate carcinoma cells, Presented at 235th ACS National Meeting, April 6-10, 2008, New Orleans, USA.

120. Vikram, A, Palmy R. J., Suresh D. P., Jayaprakasha, G.K., **Patil, B.S.**, Inhibition of bacterial cell-cell signaling and virulence by citrus limonoids, Presented at 235th ACS National Meeting, April 6-10, 2008, New Orleans, USA.
119. Yoo, K.S., E.J. Lee, and **Patil, B.S.** A fast and uniform absorbency reading time is essential in accurate measurement of pyruvic acid when DNPH is reacted to undiluted onion juice. ASHS Annual Meeting Orlando. HortScience 2008, 43:1077-1078.
118. Lee, E.J., K.S. Yoo, J. Jifon, and **Patil, B. S.** Changes in pungency and flavor precursor compounds in four onion cultivars by applying extra sulfur nutrition. ASHS Annual Meeting- Orlando. HortScience 2008, 43:1078.
117. Yoo, K.S., E.J. Lee, and **Patil, B. S.**. 2008. Improvement of consistency among the pyruvic acid analysis methods use din estimation of onion pungency. Presented at 236th ACS National Meeting, Philadelphia, USA, August 17-21, 2008.
116. In **Patil, B.S.**, and Knobloch, N. A. Creating a new interdisciplinary “Science of Foods for Health” course through a collaborative partnership of multi-state land grant universities. Presented at the annual NACTA and Science and Education Resources Development Project Directors’ Conference, 2008, Logan, UT.
115. <sup>In</sup>Knobloch, N. A., and **Patil, B.S.**. Teaching conceptualizations and motivation to collaborate on developing a new interdisciplinary “Science of Foods for Health” course. Abstract presented at the annual NACTA and Science and Education Resources Development Project Directors’ Conference, 2008, Logan, UT.
114. <sup>In</sup>Topic: VFIC Foods for Health: Emphasis on Pepper health Benefits. National Pepper Conference, November 8, 2007, Weslaco, TX.
113. <sup>In</sup>Murthy, K.N.C., G. K. Jayaprakasha, S.H. Safe and **Patil, B. S.** August, 2007. Potential of Citrus Limonoids in Pancreatic Cancer Prevention. 234th ACS National Meeting. Boston, MA.
112. Kim, W., R. Smith, L. Zhou, N. Wang, **Patil, B.S.**, G.K, Jayaprakasha, D.N. McMurray and R.S. Chapkin. Dietary curcumin and limonin suppress antigen-induced CD4+ T-cell proliferation in an NF-kB independent manner. Presented at the 2007 FASEB Summer Conference on “Nutritional immunology: Its role in health and disease, Tucson, AZ, July 28 – August 2, 2007.
111. Uckoo, R.M., Nelson, S.D. Jayaprakasha, G.K and **Patil, B.S**, Impact of Low Water Use Systems on Bioactive flavonoids of Grapefruit, Presented at 2nd International Symposium on Human Health Effects of Fruits and Vegetables, Houston, 9-13, Oct. 2007, Texas, USA.
110. Bae, H., Jayaprakasha, G.K. Jifon, J.L. and **Patil, B.S**, Late-season sour orange seeds are a major source of deacetyl nomilin, Presented at 2nd International Symposium on Human Health Effects of Fruits and Vegetables, 9-13, Oct. 2007, Houston, Texas, USA.
109. Chebrolu, K., Jayaprakasha, G.K., Jifon, J.L. and **Patil, B.S**, A rapid technique for simultaneous quantification of naringin, hesperidin, and narirutin in citrus juice. Presented at 2nd International Symposium on Human Health Effects of Fruits and Vegetables, 9-13, Oct. 2007, Houston, Texas, USA.
108. <sup>In</sup>**Patil, B.S.**, and Girenavar, B.G. 2007. Food-Drug Interaction: Myth or Reality? Presented at 59th Indian Pharmaceutical Congress, Dec 19-22, 2007, Varanasi, India.
107. <sup>In</sup>Somasundaram, S., Pearce, K., Gunasekera, R., Jayaprakash, G.K. and **Patil, B.S**, Differential Phosphorylations of Constitutive NFkB Ser 468/536 by limonoids and cell growth of MDA MB 231 Human Breast Cancer Cell Line. Presented at 2nd International Symposium on Human Health Effects of Fruits and Vegetables, Houston, 9-13, Oct. 2007, Texas, USA.
106. Kim, J.H., Jayaprakasha, G.K and **Patil, B.S**. Lemon (Citrus lemon L. Burm) as a Source of Unique Bioactive Compounds. Presented at 2nd International Symposium on Human Health Effects of Fruits and Vegetables, 9-13, Oct. 2007, Houston, Texas, USA.

105. Patil, J.R., Jayaprakasha, G.K., Chetti, M.B., and **Patil, B.S.** Antioxidant activities in Kagzi Lime (*Citrus aurantifolia* Swingle), Presented at 2nd International Symposium on Human Health Effects of Fruits and Vegetables, 9-13, Oct. 2007, Houston, Texas, USA.
104. <sup>ln</sup>varieties using HPLC. Presented at 2nd International Symposium on Human Health Effects of Fruits and Vegetables, 9-13, Oct. 2007, Houston, Texas, USA.
103. <sup>ln</sup>Vikram, A, Palmy R. J., Pillai, S.D., Jayaprakasha, G.K, **Patil, B.S.**, Suppression of *Escherichia coli* O157:H7 Type III Secretion System by Citrus Limonoids. Presented at 2nd International Symposium on Human Health Effects of Fruits and Vegetables, 9-13, Oct. 2007, Houston, Texas, USA.
102. <sup>ln</sup>Chidambara Murthy KN., Jayaprakasha, G.K., Vinod Kumar, Rathore, K.S. and **Patil, B.S.**, Inhibition of colon cancer by limonin and its glucoside involves regulation of Bcl 2/Bax, Presented at 2nd International Symposium on Human Health Effects of Fruits and Vegetables, 9-13, Oct. 2007, Houston, Texas, USA.
101. <sup>ln</sup>Perez, J.L, Jayaprakasha, G.K., Dandekar, D.V., Ahmad, H. and **Patil, B.S.**, Structural differences of limonin influence induction of phase II enzymes. Presented at 2nd International Symposium on Human Health Effects of Fruits and Vegetables, 9-13, Oct. 2007, Houston, Texas, USA.
100. InGirennavar, B, Bugarin, A., Jayaprakasha, G.K., Brian T. Connell and **Patil, B.S.**, Grapefruit-drug interaction: chemistry and biology of furocoumarins, Presented at 2nd International Symposium on Human Health Effects of Fruits and Vegetables, 9-13, Oct. 2007, Houston, Texas, USA.
99. <sup>ln</sup>Kim, W. R. Smith, L. Zhou, N. Wang, Jayaprakasha, G.K., **Patil, B.S.**, D.N. McMurray, and R.S. Chapkin. Dietary limonin suppresses antigen-induced CD4+ T-cell proliferation via down-regulation of NF-kB nuclear translocation. Presented at the 2nd International Symposium on the Human Health Effects of Fruits and Vegetables, Houston, TX, October 10, 2007.
98. Porter, S.J., N.A. Knobloch, and K. Chapman- Novakofski, **Patil, B.S.** (2007, June) Motivation to Collaborate: Perceived Benefits and Barriers in Teaching. Oral Presentation presented at 2007 National Association of Colleges and Teachers of Agriculture conference, Champaign, IL.
97. Kim, W., R. Smith, L. Zhou, N. Wang, **Patil, B.S.**, G.K, Jayaprakasha, D.N. McMurray and R.S. Chapkin. Dietary curcumin and limonin suppress antigen-induced CD4+ T-cell proliferation in an NF-kB independent manner. Presented at the 2007 FASEB Summer Conference on "Nutritional immunology: Its role in health and disease, Tucson, AZ, July 28 – August 2, 2007. Wooki Kim is a recipient of the American Society for Nutrition Predoctoral Fellowship from McNeil Nutritionals.
96. <sup>ln</sup>Patil, J.R., G. K. Jayaprakasha, K N.Chidambara Murthy, S.E. Tichy, M.B. Chetti and **Patil, B.S.**. Kagzi lime (*Citrus aurantifolia* Swingle) Volatile Oil - a Potential Source for Colon Cancer Prevention. 234th ACS National Meeting, August, 2007, Boston, MA.
95. <sup>ln</sup>Murthy, K.N.C., J.R. Patil, G. K. Jayaprakasha, M.B. Chetti, and **Patil, B.S.** August, 2007. Pomegranate Fractions may Prevent Prostate Cancer. 234th ACS National Meeting. Boston, MA.
94. <sup>ln</sup>Jayaprakasha, G.K., Chidambara Murthy KN, S.E. Tichy and **Patil, B.S.**. August, 2007. Volatile Oil from Sour Oranges (*Citrus aurantium* L.) has Potential Benefit in Colon Cancer Prevention. 234th ACS National Meeting, Boston, MA.
93. Patil, J. R., M. B. Chetti, G. K. Jayaprakasha and **Patil, B.S.**, Lime (Kagzi lime): A Novel Source of Bioactive Principles. ASHS Annual Conference. July, 2007, Scottsdale, AZ.
92. Murthy, K.N.C., G. K. Jayaprakasha and **Patil, B.S.**. Potential of 'BetaSweet' carrot in Cancer Prevention. ASHS Annual Conference. Scottsdale, July, 2007. AZ.

91. Dandekar, D.V., G. K. Jayaprakasha, S.E. Tichy, **Patil, B.S.**. Identification of Bioactive Citrus Limonoids Using HPLC-Collision-Induced Dissociation Method. ASHS Annual Conference. Scottsdale, July 2007, AZ.
90. Jayaprakasha, G.K., Melissa, E., and **Patil, B.S.**. Total Free Radical Scavenging Capacities of Kumquats (*Fortunella japonica* Swingle). ASHS Annual Conference, July, 2007, Scottsdale, AZ.
89. Vikram, A., P. R. Jesudhasan, S. D. Pillai, **Patil, B.S.**. Citrus Limonoids Inhibit Protein Biosynthesis in *Escherichia coli* O157:H7. ASHS Annual Conference, July, 2007, Scottsdale, AZ.
88. Kim, J.H., G. K. Jayaprakasha and **Patil, B.S.**. Antioxidant Activities in Lemon (*Citrus lemon* L. Burm Cv. Verna) Seeds. ASHS Annual Conference, July, 2007, Scottsdale, AZ.
87. Perez, J., Jayaprakasha, G.K. Ahmad and **Patil, B.S.**. Potential Cancer Prevention by Citrus: Nomilin and its Deacetalated form Induce Phase-II Detoxifying Enzymes. ASHS Annual Conference. Scottsdale, July, 2007, AZ.
86. Girenavar, B., Lineberger, D., **Patil, B.S.**. July, 2007. Web-facilitated Discussion Increased Knowledge Perception of Health-Maintaining Properties of Fruits and Vegetables Through the Unique Multiinstitute, Multi-state, and Multi-disciplinary Course. *HortScience* 42:997.
85. <sup>ln</sup>Miller, E.G., Michael H. Wasson, Samuel E. Taylor, Robert D. Spears, G. K. Jayaprakasha, and **Patil, B.S.**. Long Term Feeding Trial with Grapefruit Flavonoids. 233rd ACS National Meeting, March, 2007, Chicago, IL.
84. <sup>ln</sup>Jayaprakash, G.K., Patil, J.B., Pike, L.M. and **Patil, B.S.** Phenolics from Purple Carrots and Their Radical Scavenging Activity. 233rd ACS, National Meeting. March, 2007, Chicago, IL.
83. Pandey, M., F. Deyhim, K. Mandadi, **Patil, B.S.**, and B. Stoecker. Grapefruit Juice Improves Trabecular Microarchitecture and Biomechanical Properties in Orchidectomized and Control Rats. *The FASEB Journal* 2007, 21:548.17.
82. Girenavar, B.G, Simpkins, S., Jayaprakash, G.K. and **Patil, B.S.**. E-beam Irradiation Influences Grapefruitdrug Interaction Related Furocoumarins. *HortScience* 2006, 41: 1050.
81. Simpkins, S., Girenavar, B., Jayaprakash, G.K. and **Patil, B.S.**.Ultraviolet Radiation Influences Grapefruit Juice Bioactive Furocoumarins. *HortScience*, 2006, 41: 1083.
80. Vikram, A., Jayaprakash, G. K. and **Patil, B.S.**, Sour Orange: A Source of Unique Limonoid Glucosides. *HortScience*, 2006, 41:1022.
79. Wilson, C., Jayaprakash, G. K. and **Patil, B.S.**, Open Column Chromatographic Separation of HealthPromoting Bioactive Citrus Limonoids. *HortScience*, 2006, 41:1083
78. Dandekar, D., Jayaprakash, G. K. and **Patil, B.S.**. Citrus Bioactive Limonoid Extraction using Environmentfriendly Hydrotrophy. *HortScience*, 2006, 41:1008
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26. <sup>In</sup>Vanamala, J., L.M. Pike and **Patil, B.S.**, Flavonoid content Variance in Ten Commercial Brands of Orange Juice. Fourth International Conference and Exhibition on Nutraceuticals and Functional Foods, October, 2003, Los Vegas, NV.
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24. <sup>In</sup>**Patil, B.S.** Functional Food and Nutraceutical Education Through a Multidisciplinary, Multistate and Multimedia Approach. Third International Conference Functional Foods and Nutraceutical Conference, November, 2002, San Diego, CA.
23. <sup>In</sup>Tian, Q, E.G. Miller, S. Hasegawa and **Patil, B.S.** HPLC Analysis of Citrus Limonoids in the Lower Gastrointestinal Tract Microorganisms Culture Media Using Solid Phase Extraction. Second International Conference on Functional Foods and Nutraceutical Conference, November, 2001, Portland, OR.
22. <sup>In</sup>Miller, E.G., S.E. Taylor, and **Patil, B.S.** November, 2001. Citrus Limonoids: Increasing Importance in Human Health. Second International Conference on Functional Foods and Nutraceutical Conference. Portland, OR.
21. <sup>In</sup>**Patil, B. S.** Potassium Effect on Citrus Functional Components. International Potassium Symposium, December, 2001, New Delhi, India.
20. <sup>In</sup>**Patil, B.S.** Enhancing Citrus Phytochemicals. IX International Society of Citriculture, December, 2000, Orlando, FL.
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17. **Patil, B.S.**, K.S. Yoo and L.M. Pike. Postharvest Storage Effects on Grapefruit Functional Components. IX International Society of Citriculture, December, 2000, Orlando, FL.
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15. <sup>ln</sup>Tian, Q., Y. Liu, E. G. Miller, H. Ahmad, L.Tang and **Patil, B.S.** Characterization of Obacunone Glucosides and its Potential Inhibition of Human Cancer Cells. First International Conference on Functional Foods and Nutraceutical Conference, September, 2000, Houston, TX.
14. <sup>ln</sup>Liu, Y., H.Ahmad, Y. Luo, D. T. Gardiner, R. S. Gunasekara, W. McKeehan, Patil. B.S. Seasonal Changes in Grapefruit Pectin and its Inhibitory Effect on Fibroblast Growth Factor Signal Transduction. First International Conference Functional Foods and Nutraceutical Conference, September, 2000, Houston, TX.
13. **Patil, B.S.** 2000. Location and Rootstock Effects on Sheephosing in Grapefruit. HortScience 35:499.
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11. Liu, Y, H.Ahmad, D.T. Gardiner, **Patil, B.S.**, 1999. Best Grapefruit Harvest Time for Potential Health Benefit of Pectin. HortScience 34:520.
10. **Patil, B.S.**, J.R. Sievert, M.R. Williamson, P.M. Winkelman and M.L. Arpaia. 1998. Postharvest Quality of Valencia and Navel Oranges after High Temperature Forced-Air Treatments. HortScience 33:520.
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7. **Patil, B.S.** and Dean, B.B. 1996. Evaluation of Flavor and Potential Anticarcinogenic Properties of Fall Storage Onions. HortScience, 31: 596.
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5. **Patil, B.S.** and Dean, B.B. 1995. Pungency and Sugar Changes in Long-Day Onions Due to Different Storage Times and Temperatures. HortScience, 30: 765.
4. **Patil, B.S.** and Pike L.M. 1994. Quercetin and quercetin Glycoside Content Variation in Different Onion (*Allium cepa* L.) Varieties and Genotypes. HortScience, 29: 495.
3. **Patil, B.S.** L.R. Howard and Pike, L.M. 1994. Gamma Irradiation Effect on Enhancement of quercetin Contents in Different Colored Onion (*Allium cepa* L.) Cultivars. IFT, 12F-9, p37.
2. **Patil, B.S.** and Pike, L.M. 1994. Distribution of Quercetin and Quercetin Glycosides in Different Colored Varieties and Genotypes of Onion (*Allium cepa* L.) Tissue. Hortscience, 29: 494.
1. **Patil, B.S.**, Pike, L.M. and B. K. Hamilton. 1994. Location, Soil Type and Growth Stage on the Anticarcinogenic, Quercetin, Content in Onion (*Allium cepa* L.). Agronomy, p200.

## Regional

15. Corleto, K.A. Singh, J., Jayaprakasha, G.K. and **Patil, B.S.** Stability of Dietary Nitrate in Vegetable Juices during Storage at Different Temperatures, Presented at southern ASHS meeting, San Antonio, Feb 5-7, 2016.

14. Perez, J.L., Jayaprakasha, G.K., Crosby, K., and **Patil, B.S.** Bitter Melon (*Momordica charantia*): A Potential new crop for Texas to reduce risk from diabetes, Presented at southern ASHS meeting, San Antonio, Feb 5-7, 2016.
- 13.<sup>ln</sup>**Patil, B.S.** February, 2007. *Health maintaining properties of fruits, vegetables and nuts: Myth or Reality?* Human Nutrition Conference. College Station, TX.
- 12.<sup>ln</sup>**Patil, B.S.** February, 2007. *Pre- and Postharvest Factors Effect on Bioactive Compounds and Human Health*. Southern American Society for Horticultural Sciences. Mobile, AL.
11. **Presidential address:** Rio Grande Horticulture Society Annual Conference- Round Table Conference: Role of Higher Educational Leaders Building a Partnership to Improve Agriculture and Health: A case Study of Partnership Efforts of Valley Institutions. Edinburg, TX. January, 2007.
10. Vikram, A. J. Palmy, S. Pillai, Jayaprakasha, G.K., **Patil, B.S.**, Inhibition of Bacterial Cell-Cell Communication and Biofilm formation by Citrus Bioactive Compounds. 61<sup>st</sup> Annual Conference of Rio Grande Horticulture Society. January, 2007. Edinburg, TX.
9. Girenavar, B., S. Simpkins, Jayaprakasha, G.K., and **Patil, B.S.** Biochemical Properties of Furocoumarins from Grapefruits. 61<sup>st</sup> Annual Conference of Rio Grande Horticulture Society. . January, 2007. Edinburg, TX.
8. Perez, J.L., G.K. Jayaprakasha, D.V. Dandekar, H. Ahmad. And **Patil, B.S.** *Structural Differences of Citrus Limonoids Influence Induction of Detoxifying Enzymes*. 61<sup>st</sup> Annual Conference of Rio Grande Horticulture Society. January, 2007. Edinburg, TX.
7. Deyhim F. K. Mandadi, **Patil, B.S.**, Effects of Eating Citrus Pulp on Bone Quality and Bone Mineral Analysis in Orchidectomized Rat Model of Osteoporosis. Texas Dieticians Association. June 2006, San Antonio, TX.
- 6.<sup>ln</sup>Patil, B.S. 2005. *Foods for Health: Challenges and Opportunities*,59<sup>th</sup> Rio Grande Valley Horticultural Society. Weslaco, TX.
- 5.<sup>ln</sup>Patil, B.S. *What do we Know About Grapefruit-drug Interaction?* 58<sup>th</sup> Annual Conference of the Rio Grande Valley Horticultural Society, 2004. Weslaco, TX.
- 4.<sup>ln</sup>**Patil, B.S.**, K.E. Dooley, D.R. Lineberger. *Distance Education: A Tool to Develop a Multidisciplinary Course*. 8<sup>th</sup> Annual Information Technology and Distance Education Conference. May, 2002, Edinburg, TX.
- 3.<sup>ln</sup>Patil, B.S.. Pre- and Post-harvest Effects of Less Known Biologically Active Compounds in Grapefruit. 55<sup>th</sup> Annual Meeting of Rio Grande Valley Horticulture Society. January, 2001, Weslaco, TX.
- 2.\*Dooley, K.M., **Patil, B.S.**, and D.R. Lineberger. Use of Distance Learning Technology to Teach a Multidisciplinary Course: Phytochemicals in Fruits and Vegetables. Southern Agricultural Education Conference. January, 2000. Lexington, KY.
- 1.<sup>ln</sup>**Patil, B.S.**, January, 2000. *Citrus Phytonutrients and Human Health*. 54<sup>th</sup> Annual Meeting of Rio Grande Valley Horticulture Society, Weslaco, TX.

**Learned Societies/ Land Grant Institutions**

*Details are available upon request*

<b>Learned societies, Universities /Institutions</b>	<b>Invited</b>	<b>Volunteer or Submitted</b>	<b>Total</b>
International	26	1	24
National	15	2	17
Regional	43	28	71
Popular press articles, interviews with National, State, Local News Media/TV/Radio/Newsletters			243

**Graduate Students Presentations-TAMU System related symposium and annual meetings-**  
**Total presentations: 30**