

Refereed journal articles

1. Liu, Y., H.Ahmad, Y. Luo, D. T. Gardiner, W. McKeehan, R. S. Gunasekara, **B.S. Patil**. 2002. Influence of Harvest Time on Citrus Pectin and its *in vitro* Inhibition of Fibroblast Growth Factor Signal Transduction. *J. Sci. and Food and Agri.* 82:469-477.
2. Tian, Q, D. Li, B. Patil, 2002. Identification and Determination of Flavonoids in Buckwheat (*Fagopyrum esculentum* Moench, Polygonaceae) by High-Performance Liquid Chromatography with Electrospray Ionization Mass Spectrometry and Diode Array Ultraviolet Detection, *Phytochemical Analysis.* 13:251-256.
3. Li, J., N. Turner, L.M. Pike, H. Ahmad, and **B.S. Patil**. 2003. Induction of Glutathione and Glutathione S Transferase by Citrus Limonoids in Mouse Tissues. *Nutrition and Cancer* (submitted).
4. **Patil, B.S.** and K. Shellie, 2002. Postharvest changes of functional components in 'Rio red' grapefruit by semi-commercial ultra-low oxygen refrigerated storage. *Acta Horticulturae (In Press)*.
5. Patil, B.S., R. Daniel Linberger, K.M. Dooley, and J. Vanamala, 2003. Phytochemicals in Fruits and Vegetables: Use of Interactive Videoconferencing and World Wide Web for Teaching a Multidisciplinary Coures. *J. Food Science.* (submitted).
6. Liu, Y., H.Ahmad, Y. Luo, D. T. Gardiner, W. McKeehan, **B.S. Patil**. 2001. Citrus Pectin: Characterization and Inhibitory Effect on Fibroblast Growth Factor-Receptor Interaction. *J. Agri. Food Chem.* 49(6): 3051-3057.
7. Tian, Q., E. D. Miller, H. Ahmad, L. Tang, and **B.S. Patil** 2001. Differential Inhibition of Human Cancer Cells Proliferation by Citrus Limonoids. *Nutrition and Cancer* 40(2):180-184.
8. **Patil, B.S.** 2001. Location and Rootstock Effects on Sheepnosing in Grapefruit. *HortScience* 36(4): 710-713.
9. Peltz, G, W. McKeehan, R. Gunasekaran, E. Miller, **B. Patil**. 2001. Citrus Fruit and Cancer Prevention: the role of certain bioactive compounds. *Nutrition (Under review)*.
10. Dooley, K.M., **B.S. Patil**, and D.R. Lineberger. 2000. Use of Distance Learning Technology to Teach a Multidisciplinary Course: Phytochemicals in Fruits and Vegetables. *Journal of Southern Agricultural Education Research* 50(1):167-173.
11. Dooley, K. E., **Patil, B. S.**, and Lineberger, D. R. 2000. An evaluation of a

multidisciplinary course delivered at a distance: Prescriptive principles to challenge our profession. In G. Miller (Ed.) *Proceedings of the National Agricultural Education Research Conference*, San Diego, CA. (December 2000) submitted.

12. **Patil, B. S.** L. M. Pike, and L. R. Howard. 1999. Effect of gamma irradiation on quercetin on onion (*Allium cepa* L.) cultivars. *Subtropical Plant Science* 51:15-21.
13. **Patil, B. S.**, L. M. Pike and Yoo, K.S. 1995. Variation in quercetin content different colored onions (*Allium Cepa* L.). *J. Amer. Soc. Hort. Sci.* 120 (6): 909-913.
14. **Patil, B.S.** and L.M. Pike and B.K. Hamilton. 1995. Changes in the quercetin content of onion (*Allium cepa* L.) due to location, growth stage and soil type. *New Phytologist*. 130(3): 349-355.
15. **Patil, B. S.** and L. M. Pike. 1995. Distribution of quercetin content in different rings of various colored onion (*Allium cepa* L.) cultivars. *J. Hort. Sci.* 70(4): 643-650.
16. **Patil, B.S.**, N.C. Hulamani, and U. G. Nalawadi 1989. Leaf Macronutrient Composition of Tahiti Lime as Influenced by Different Rootstocks *J. Maharashtra Agri. Univ.*, 14(3): 359-360.
17. **Patil, B.S.**, N.C. Hulamani, and U. G. Nalawadi 1986. Prebearing Performance of Tahiti Lime (*Citrus latifolia* Tanaka) as Influenced By Different Rootstocks Under Transitional conditions of Dharwad. *J. Univ. Agri. Sci.* 1: 27-31.
18. **Patil, B.S.**, N.C. Hulamani, and U. G. Nalawadi 1986. The Influence of rootstock on the physiological composition of Tahiti Lime (*Citrus latifolia* Tanaka) leaves. *S. Indian Hort.* 34(6): 407-409.

Refereed Proceedings

1. Vanamala, J, G. Cobb, L. Pike and **B. Patil. 2002.** Ionizing radiation effect on postharvest quality of 'Rio Red' grapefruits. International Society of Horticultural Sciences, Toronto, Canada, August 11-17, 2002, *Acta Horticulturae* (In Press).
2. **Patil, B.S.** 2002. Enhancing Citrus Phytochemicals. Proc. IX International Society of Citriculture in Orlando, FL, December 3-7, 2000 (*In press*). **Invited presentation.**
3. Miller, E.G., S.E. Taylor, C.W. Berry, Q. Tian, **B. S. Patil. 2002.** Limonin 17- β -D-Glucopyranoside: Effects on Microorganisms Commonly Found in the Lower GI Tract. Proc. IX International Society of Citriculture in Orlando, FL, December 3-7, 2000 (*In press*). **Invited presentation.**
4. Liu, Y., H. Ahmad, Y. Luo, D. T. Gardiner, R. S. Gunasekara, W. McKeehan, **B.S.**

- Patil.** 2002. Characterization of Citrus Pectin and Inhibition of Fibroblast Growth Factor Signal Transduction Process. Proc. IX International Society of Citriculture in Orlando, FL, December 3-7 2000 (*In print*).
5. **Patil, B.S.**, K.S. Yoo and L.M. Pike. 2002. Postharvest Storage Effects on Grapefruit Functional Components. Proc. IX International Society of Citriculture in Orlando, FL, December 3-7 2000 (*In Print*).
 6. **Patil, B.S. 2002.** Functional Components in Citrus: Alteration by Mineral Elements, American Society of Agronomy, Soil Society of America and Crop Science of America, Indianapolis, IN, November 10-14, 2002. **Invited presentation** as a part of Session 4 (Submitted).
 7. Tian, Q., E.G. Miller, S. Hasegawa and **B.S. Patil. 2001.** HPLC analysis of citrus limonoids in the lower gastrointestinal tract microorganisms culture media using solid phase extraction. Proc. Second International Conference Functional Foods and Nutraceutical Conference in Portland, OR, November 28-30, 2001 (In preparation).
 8. **Patil, B.S. 2001.** Lesser known compounds in citrus and chronic disease prevention. National Seminar on "Role of Plant Physiology for Sustaining Quality and Quantity of Food Production in Relation to Environment" December 5-7, 2001, Dharwad, India, p 20-24 (**lead paper**).
 9. **Patil, B.S. 2001.** Potassium effect on citrus functional components. Proc. International symposium on importance of potassium in nutrient management for sustainable crop production. December 3-5, 2001, New Delhi, India, p 402-404.
 10. **Patil, B. S.**, Dooley, K. E. and Lineberger, D. R. 2001. Connecting Experts and Disciplines Through Videoconference Partnerships. HortTechnology (*In preparation*). **Invited Presentation**, July 21-23, 2001.
 11. Liu, Y., H. Ahmad, Y. Luo, D. T. Gardiner, R. S. Gunasekara, W. McKeehan, **B.S. Patil.** 2000. Seasonal changes in grapefruit pectin and its inhibitory effect on fibroblast growth factor signal transduction. Proc. First International Conference Functional Foods and Nutraceutical Conference in Houston, September 14-17, 2000 submitted.
 12. Tian, Q., L.Tang, Y, Liu, E.G. Miller, H. Ahmad, **B.S. Patil** 2000. Characterization of obacunone glucoside and its potential inhibition of human cancer cells. Proc. First International Conference on Functional Foods in Houston, September 14-17, 2000.
 13. Tian, Q., Y, Liu, N. Bhat, **B.S. Patil** 2000. Spectrophotometric analysis of total limonoids in Citrus. Proc. IX International Society of Citriculture in Orlando, FL, December 3-7 2000.

Curriculum Vitae

14. **Patil, B.S.** and Dean, B.B. 1995. Pungency and sugar changes at different growth stages of Walla Walla Sweet onions. Proc. Onion Res. Conf. Madison, WI. Dec 6-9, 1995.
15. Dean, B.B. and **Patil, B.S.** 1995. Post Harvest Transit Packaging Effect on Exported Onions. Proc. Onion. Res. Conf., Madison, WI. Dec 6-9, 1995.

Books/Chapters/Monographs

1. **Patil, B.S. 2002.** Irradiation applications to improve functional components of fruits and vegetables. American Chemical Society Symposium Series August 18-22, 2002. **Invited presentation** in “Irridation applications and food saftey” symposium (*In preparation*).
2. **Patil, B.S. 2001.** Changes in Functional Components During Storage of Citrus Juice. American Chemical Society Symposium Series August 25-31, 2001. **Invited presentation** in “Chemistry and Flavor of Nutritional Beverages” symposium (*In Press*).
3. **Patil, B.S. 2000.** Functional Components From Citrus: Carotenoids, Flavonoids, and Pectins, In: Practical Nutraceuticals and Functional Foods: Sources, Processing, Characteristics and Applications-**Monograph in AOCS publication** (submitted).