

Ellen C. Hopmans

Publications

1. \* Knize, Mark G., Ellen Hopmans and James A. Happe. Aug. 1991. The identification of a new heterocyclic amine mutagen from a heated mixture of creatine, glutamic acid and glucose. *Mutation Research* 260(4):313-319.
2. \* Hopmans, Ellen C., and Patricia A. Murphy. Oct. 1993. Detection of fumonisins B<sub>1</sub>, B<sub>2</sub>, and B<sub>3</sub> and hydrolyzed fumonisin B<sub>1</sub> in corn-containing foods. *Journal of Agricultural and Food Chemistry* 41(10):1655-1658.
3. \* Lebepe-Mazur, S., H. Bal, E. Hopmans, P. Murphy and S. Hendrich. April 1995. Fumonisin B<sub>1</sub> is fetotoxic in rats. *Veterinary and Human Toxicology* 37(2):126-130.
4. \* Lebepe-Mazur, Semakaleng, Ellen Hopmans, Patricia A. Murphy and Suzanne Hendrich. June 1995. Fed before diethylnitrosamine, fusarium moniliforme and F proliferatum mycotoxins alter the persistence of placental glutathione S-transferase-positive hepatocytes in rats. *Veterinary and Human Toxicology* 37(3):209-214.
5. \* Hopmans, Ellen C., and Patricia A. Murphy. 1995. Fumonisins: Mycotoxins produced by *Fusarium* species. p.61-78, IN: S. T. Omaye and W. R. Bidlack (eds.), Natural Protectants Against Natural Toxicants, Technomic Publishing Co., Inc., Lancaster, Pennsylvania.
6. \* Murphy, Patricia A., Ellen C. Hopmans, Kathrine Miller and Suzanne Hendrich. 1995. Can fumonisins in foods be detoxified? p.105-117, IN: S. T. Omaye, and W. R. Bidlack (eds.), Natural Protectants Against Natural Toxicants, Technomic Publishing Co., Inc., Lancaster, Pennsylvania.
7. \* Murphy, Patricia A., Suzanne Hendrich, Ellen C. Hopmans, Cathy C. Hauck, Zhibin Lu, Gwendolyn Buseman and Gary Munkvold. 1996. Effect of processing on fumonisin content of corn. p.323-334, IN: L. Jackson, W. DeVries and L. B. Bullerman (eds.), Fumonisins in Food, Plenum Press, New York.

APPOINTMENT TO ASSISTANT PROFESSOR II, 1996

8. \* Dantzer, William R., Ellen Hopmans, Alyssa Clark, Cathy Hauck and P.A. Murphy. Dec. 1996. Purification of fumonisin B-1 from liquid cultures of *Fusarium proliferatum*. *Journal of Agricultural and Food Chemistry* 44(12):3730-3732.
9. \* Lu, Z., W.R. Dantzer, E.C. Hopmans, V. Prisk, J.E. Cunnick, Patricia A. Murphy and S. Hendrich. March 1997. Reaction with fructose detoxifies fumonisin B<sub>1</sub> while stimulating liver-associated natural killer cell activity in rats. *Journal of Agricultural and Food Chemistry* 45(3):803-809.
10. \* Knize, Mark G., Cynthia P. Salmon, Ellen C. Hopmans and James S. Felton. Feb. 1997. Analysis of foods for heterocyclic aromatic amine carcinogens by

solid-phase extraction and high-performance liquid chromatography.  
Journal of Chromatography A 763(1-2):179-185.

11. \* Felton, J.S., M.A. Malfatti, M.G. Knize, C.P. Salmon et al. May 1997. Health risks of heterocyclic amines. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis 376(1-2):37-41.
12. \* Hopmans, Ellen C., Catherine C. Hauck, Suzanne Hendrich, and Patricia A. Murphy. July 1997. Excretion of fumonisin B<sub>1</sub>, hydrolyzed fumonisin B<sub>1</sub>, and the fumonisin B<sub>1</sub>-fructose adduct in rats. Journal of Agricultural and Food Chemistry 45(7):2618-2625.

\*Refereed

**Ellen C. Hopmans**  
**Reports, Regular Distribution**

1. Hopmans, Ellen C. Aug. 1997. Patulin: A mycotoxin in apples. UC Davis Perishables Handling Quarterly, Special Issue: Food Safety 91:5-6.

**Ellen C. Hopmans**  
**Reviews and Editorials**

1. Hopmans, Ellen C. 1996. Immunoassays for Residue Analysis, Food Safety, edited by R.C. Beier and L.H. Stanker (book review). *Journal of Food Biochemistry* 20(5):432.
2. Hopmans, Ellen. 1997. Practical Guide to Chemometrics, edited by S.J. Haswell (book review). *Journal of Food Biochemistry* 21:421.

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**Abstracts**

1. Hopmans, E. C., and P. A. Murphy. April 1991. The purification of fumonisins B<sub>1</sub>. 8th Annual Meeting, Central States Chapter, Society of Toxicology, St. Louis, Missouri.
2. Hopmans, E. C., and P. A. Murphy. November 1991. The detection of fumonisins B<sub>1</sub>, B<sub>2</sub> and B<sub>3</sub> in corn containing food. Midwest Regional Meeting, American Chemical Society, Omaha, Nebraska.
3. Hopmans, E. C., and P. A. Murphy. June 1992. The detection of fumonisins B<sub>1</sub>, B<sub>2</sub>, and B<sub>3</sub> in corn containing foods and pork tissues. 1992 Annual Meeting and Food Expo, Institute of Food Technologists, New Orleans, Louisiana.
4. Murphy, P. A., E. C. Hopmans, S. Hendrich, K. Miller, L. Rice and P. F. Ross. June 1992. Fumonisins in corn and corn products. Corn Utilization Conference IV, St. Louis, Missouri.
5. Hopmans, E. C., and P. A. Murphy. November 1992. Detection of fumonisins B<sub>1</sub>, B<sub>2</sub>, B<sub>3</sub>, and hydrolyzed fumonisin B<sub>1</sub>. International Food Technology Exposition and Conference, The Hague, The Netherlands.
6. Hopmans, E. C., and P. A. Murphy. April 1993. Detection of fumonisins B<sub>1</sub>, B<sub>2</sub>, B<sub>3</sub>, and hydrolyzed fumonisins B<sub>1</sub>. 10th Annual Meeting, Central States Chapter, Society of Toxicology, Omaha, Nebraska.
7. Hopmans, E. C., and P. A. Murphy. June 1993. Detection of fumonisins B<sub>1</sub>, B<sub>2</sub>, B<sub>3</sub>, and hydrolyzed fumonisin B<sub>1</sub>. Midwest Chapter Meeting, Association of Official Analytical Chemists, Des Moines, Iowa.
8. Hopmans, E. C., and P. A. Murphy. July 1993. The purification of fumonisins. Gordon Research Conference on Mycotoxins and Phytotoxins, Plymouth, New Hampshire.
9. Hendrich, S., P. A. Murphy, K. Miller, T. Wilson and E. C. Hopmans. June 1994. Nutritional inhibition and enhancement of fumonisin toxicity. 1994 Annual Meeting and Food Expo, Institute of Food Technologists, Atlanta, Georgia.
10. Murphy, P. A., S. Hendrich, E. C. Hopmans, T. A. Wilson and K. Miller. June 1994. What happens to fumonisins in foods during processing? 1994 Annual Meeting and Food Expo, Institute of Food Technologists, Atlanta, Georgia.
11. Murphy, P. A., S. Hendrich, E. C. Hopmans, Z. Lu, G. Buseman and G. Munkvold. March 1995. Fumonisins and other mycotoxin contaminants. 34th Annual Meeting, Society of Toxicology, Baltimore, Maryland.
12. Hopmans, E. C., S. Hendrich and P. A. Murphy. March 1995. Bioavailability of FB<sub>1</sub>, hydrolyzed FB<sub>1</sub>, and FB<sub>1</sub>-fructose adduct. 34th Annual Meeting, Society of Toxicology, Baltimore, Maryland.

13. Murphy, P. A., S. Hendrich, E. C. Hopmans, Z. Lu, G. Buseman and G. Munkvold. April 1995. Effect of processing on the fumonisin content of corn. American Chemical Society 209th National Meeting, Anaheim, California.
14. Hopmans, E. C., S. Hendrich and P. A. Murphy. April 1995. Bioavailability of FB<sub>1</sub>, hydrolyzed FB<sub>1</sub>, and the FB<sub>1</sub>-fructose adduct. American Chemical Society 209th National Meeting, Anaheim, California.
15. Hopmans, E. C., C. C. Hauck, S. Hendrich and P. A. Murphy. June 1995. Bioavailability of FB<sub>1</sub>, hydrolyzed FB<sub>1</sub>, and the FB<sub>1</sub>-fructose adduct in rats. Gordon Research Conference on Mycotoxins and Phytotoxins, Plymouth, New Hampshire.

#### APPOINTMENT TO ASSISTANT PROFESSOR II, 1996

16. Hopmans, E.C., M.G. Knize and J.S. Felton. April 1997. Analysis of cooked foods for new heterocyclic aromatic amines. American Chemical Society 213th National Meeting, San Francisco, California.
17. Hopmans, E.C. April 1997. Challenges in mycotoxin analysis in foods. Eighth CIFAR Conference, Davis, California.
18. Hopmans, E.C., M.G. Knize and J.S. Felton. Sept. 1997. Analysis of cooked foods for new heterocyclic aromatic amines. UC Davis Cancer Program, Third Annual Cancer Research Symposium, Sacramento, California.