Saud University, College of Pharmacy. Grant proposal reviewers fro NIH, USDA and NSF

2002-2006 Associate Professor

1996-7/1997.

- 7 graduate students
- 5 undergraduate students

## **Leadership Experiences:**

1. College of Arts & Science tenure and Promotion Committee

Mentored chemistry, pharmacy, pre-medicine and honors student in the classroom and undergraduate research

- 2. Managed and advised research projects for graduate and undergraduate students
- 3. Curriculum developments for undergraduate and graduate classes
- 5. Leadership in strategic planning
- 6. Leadership and consultant in university, departments and program accreditation processes
- 7. Community service and organizer for scientific meeting
- 8. Entrepreneurial, leadership in economic development

## **Community and Professional Leadership:**

- Accreditation Expert Council
- Continuous efforts in chairing the Academic Department: A Workshop for Division and Department Chairs and Deans. American Council on Education
- Community development for Native Americans Economic development program through establishing nutraceutical industry at Sisseton Wahpeton, SD.
- Support of local community industry partnership and development through partnership with local industry.
- Brookings Community Leadership program and active member of Brookings Chamber of Commerce.
- Coordinated efforts for Value-Added group and SUN GRANT I()]local comdTf 1.50QN Gl G-Ao

- Winner of Governor of South Dakota Award for Development of Teaching Technology and course design in organic chemistry for Honors classes (2003).
- Winner of undergraduate and graduate Joseph Nelson Scholarship for research at SDSU 2001 and 2002, 2004, 2005 and 2008

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• Dr. Meena Jaggi, Cancer Biology Research Center, Sanford Research to study the mechanism of prostate and ovarian cancer estrogenic inhibitors.

## Current International Collaboration:

- 1. King Khaled University, Saudi Arabia
- 2. University of Mansoura, College of Science, Mansoura, Egypt.
- 3. Yunnan Normal University, China
- 4.

- 1. Halaweish, F.T., Selected Cucurbita Foetidissima cell lines of high cucurbitacin contents, 38<sup>th</sup> Annual meeting of ASP, Iowa City, July 26-30, 1997.
- 2. Halaweish, Fathi T., Kronberg, S. and Rice, J.A., Aversive Flavonoids from *E. esula*, 38<sup>th</sup> Annual meeting of the ASP, Iowa City, July 26-30, 1997.
- 3. Daoning, Z., and Halaweish, F.T., Ribosome-Inactivating Proteins from *C. foetidissima*, The 32<sup>nd</sup> Great lakes 2000 regional Meeting of the ACS, Fargo, ND, June 4-6, 2000.
- 4. Huntimer, E., Halaweish, F. and Reese, N. Echinacea: Antioxidant activity and safety, 35<sup>th</sup> Midwest Regional Meeting of the ACS, October 25-27, 2000, St. Louis, MO.
- 5. Huntimer, E., Halaweish, F. and Khalil, A., Pregnane Glycosides from *C. retrospiciens*, 35<sup>th</sup> Midwest Regional Meeting of the ACS, October 25-27, 2000, St. Louis, MO.
- 6. Zhazg, D

- invited paper for American Oil Chemists Society Annual meeting, May 4-7, 2003, Kansas City, Missouri, USA
- 22. Huntimer, E.D. and Halaweish, F.T. Determination of the Effect of Echinacea Angustifolia Phenolics on the Proliferation of Cancer Cells,

- Composition and proteolysis. American Dairy Science Association Annual Meeting. Cincinnati. July 24-28., 2005.
- 39. Young, A. J.; Riter, D; Halaweish, F. T.; New Cucurbitacin derivatives: Potential anticancer candidates.; 40<sup>th</sup> Midwest Regional ACS Meeting, Joplin, MO; 26<sup>th</sup>-30<sup>th</sup> October 2005.
- 40. Gilbes, B. J.; Halaweish, F. T.; Estrone-to-Cucurbitane transformations.; 40<sup>th</sup> Midwest Regional ACS Meeting, Joplin, MO; 26<sup>th</sup>-30<sup>th</sup> October 2005.
  41.

- 88. James Lokken, Chris Chase and Fathi Halaweish, Effects of St. John¹s Wort extracts on the metabolism of anti-inflammatory and anti-hypertensive agents via cytochrome P450 3A4 inhibition, AAPS Annual Meeting, New Orleans, LA, Nov 14-18, 2010.
- 89. James Lokken, Chris Chase and Fathi Halaweish, Effects of Echinacea Extracts on the metabolism of anti-inflammatory and anti-hypertensive agents via cytochrome P450 3A4 inhibition, AAPS Annual Meeting, New Orleans, LA, Nov 14-18, 2010.
- 90. Sajja, R., Huntimer, E., Halaweish, F., and Rahman, S., Design and synthesis of Novel cytosine analogs for pharmacotherapy of drug addiction. AAPS Annual Meeting, New Orleans, LA, Nov 14-18, 2010.
- 91. Nichole Rice, Mukulesh Baruah, Halaweish, Fathi, Cucurbitane and estrone analogs: Targeting AR, HSP90, COX II, NF-kB, and iNOS receptors for prostate cancer treatment, 241<sup>st</sup> ACS National Meeting, Anaheim, CA, March 27-31, 2011
- 92. Abdul Rhaman Alsyari, Mukulesh Baruah, Halaweish, Fathi. Novel Cucurbitane and Estrone analogs for treatment of breast cancer, 241<sup>st</sup> ACS National Meeting, Anaheim, CA, March 27-31, 2011
- 93. De la Torre-Melendez, Sonia B.; Halaweish, Fathi, Potential drug candidates toward smoking cessation, 241<sup>st</sup> ACS National Meeting, Anaheim, CA, March 27-31, 201
- 94. Karki, D., Glover, K., Fahey, J. Halaweish, F., and Ibrahim, A., Phenolic content and antioxidant activity in South Dakota wheat lines. ASA-CSSA-SSSA International Annual meeting, San Antonio, TX, Oct. 16-19, 2011.
- 95. Salama, M. and Halaweish F., Design and development of cucurbitacin analogs inhibiting MAPK pathway cascade for the treatment of melanoma, 244th ACS National Meeting that will be held in Philadelphia, Pennsylvania, August 19-23, 2012.
- 96. De La Torre-Melendez, S. and Halaweish, F. In silico study approach for the synthesis of cytisine analogs targeting the 4 2 nAChr, 244th ACS National Meeting that will be held in Philadelphia, Pennsylvania, August 19-23, 2012.
- 97. Arjabi, H., and Halaweish, F., Investigation onto the mechanism behind the hepatoprotective effect of cucurbitacin compounds". American Society of Pharmacognosy-ICNPR, July28-August1, 2012, NY, NY.
- 98. Alsyari, A., Darweesh, M., Halaweish, F., Chase, C., American Anti-Bovine Viral Diarrhea Virus Activity Of Cucurbitacins As New Potential Antiviral Agents. American Society of Pharmacognosy-ICNPR, July 28<sup>th</sup> –August 1<sup>st</sup>, 2012, NY, NY.
- 99. <u>Adam L. Pay</u>, Lucas C. Kopel, Mahmoud S. Ahmed and Fathi T. Halaweish Design and Synthesis of Estrone Analogues Towards Treatment of Prostate and Breast Cancer, 47th ACS Midwest Regional Meeting, Omaha, NE Oct. 20-25, 2012.
- 100. <u>Tyler L. Carlson</u>, Lucas C. Kopel, Mahmoud S. Ahmed and Fathi T. Halaweish In Silico Design and Synthesis of Estrone Analogues Targeting the Androgen and Estrogen Receptor, 47th ACS Midwest Regional Meeting, Omaha, NE Oct. 20-25, 2012.
- 101. Keeli J. Eberhart, K. Hartmann and F.T. Halaweish\* Evaluation of Chemopreventive Contents of Native American Juneberries (*Amelancier sp.*), 47th ACS Midwest Regional Meeting, Omaha, NE Oct. 20-25, 2012.
- 102. Lucas C. Kopel, Fathi T. Halaweish, Selective oxidation of the C2 hydroxyl of cucurbitacins via a Saegusa oxidation. 47th ACS Midwest Regional Meeting, Omaha, NE Oct. 20-25, 2012.

103. Adam L. Pay, Lucas C. Kopel, Mahmoud S. Ahmed and Fathi T. Halaweish

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- 39. Halaweish, F.T., Tallamy, D.W., Production of Cucurbitacins by Cucurbit Cell Cultures, Plant Science, 131, 209-218, 1998
- 40. McCloud, E.S., Tallamy, D.W, and Halaweish, F.T., Squash Beetles Trenching Behavior: Avoidance of Cucurbitacin Induction or Mucilaginous Plant Sap?, Ecological Entomology, 20, 51–59, 1995.
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- 45. Halaweish, F.T., Gohr, A.A., and Halim, A.F., Induction of in–vitro culture of *Convolvulus arvensis* (L). Mansoura Journal of Pharmaceutical Sciences, 8, 47–55, 1992.
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- 51. Halaweish, F. T. and Brain, K.R., Isocucurbitacins in *Bryonia dioica*; proceeding of the Phytochemical Society of Europe symposium, Lousane, Switzerland; Sep., 1986.
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