

Collaborative Initiative to Attract Underrepresented Students towards Agriculture and Food Sciences



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Objectives

- To attract underrepresented students to build awareness of careers in FAS, to take courses and assist in their transfer to TAMUK.
- To recruit students from the HSI's to participate in summer internships and provide hands-on research experiences through targeted activities with the selected faculty mentors.
- To collaboratively develop multidisciplinary courses to deliver instruction where they live, rather than where the instructors live.



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Recruitment Strategies

- Recruitment of minority students must be a comprehensive process with a long-term, institution-wide commitment to diversity
- Commitment to diversity at every level of the institution, on a philosophical as well as a financial basis, must form the base of all admission and recruitment efforts.



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Increasing the Visibility of College and Career Opportunities

- advertising in minority-oriented media and widespread dissemination of materials about the profession
- main language of the racial or ethnic group



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Understanding and Locating Minority Students

- Recruitment strategies that work for traditional white students will not always work for racially and ethnically diverse students
- Admission officers and academic leaders need to be aggressive and innovative in their efforts to recruit minority students. They must be able to think "outside of the box"
- Outreach and awareness campaign programs must be directed where minority students are located. Examples would include middle and high school classes, career and college fairs and days, graduate school fairs, and in the community and the workplace



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Strategies addressed

- Faculty-Student Conference
- STRIVE: Students Taking Responsibility to Investigate the Value of Education



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Dr. Miguel Nevarez
President, UTPA

General Session

Small Group meeting with experts in Agriculture

Dr. Rumaldo Juarez
President, TAMUK

Hispanic Parents Meeting

Dr. Bhimu Patil
Project Director

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**Students Training in TAMUK Citrus Center
Weslaco-2002
Functional Foods and Human Health**

Denise Santa Ana

Erica Hope

Marc Villalobos

Jose Garcia

Etem Tabogho

**Students Training in TAMUK Citrus Center-2003
Functional Foods and Human Health**

**Julian Ortega, Veteran
US Marines, explaining our President**

Sonia del Rio **Jasmine Williams** **Jose Perez**

**Premedical Students Visiting
Functional Food Lab at TAMU**

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Summer 2003 Training in University of Texas - Pan American

**Biochemistry and
Molecular Biology
Training**

**Students Training in TAMU College Station-2002
and 2003
Breeding and Phytochemicals**

Daisy Jasso

Alondra Rodriguez

Daisy Jasso working with Dr. Ma (Chinese visiting scientist) and Amanda Rose

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Products & Outcomes

- Students trained-15
 - Cancer Prevention
 - Enzyme Analysis
 - Phytochemicals
 - Molecular techniques
 - Students at the end of training felt that agriculture is not only working in the field but also there are several science related exciting things.
- Conference attracted-60 students
- Parents were exposed to ag and food science research
- Collective leadership among cooperative extension, parents, students and HSI and land grant universities established



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Products & Outcomes

Omar Montemeyor

- HSI graduate student graduated in 2003
- Conducted evaluation of Phytochemical course impact on consumer and society



Marco Ponce

- Evaluation of Conference-conducting studies



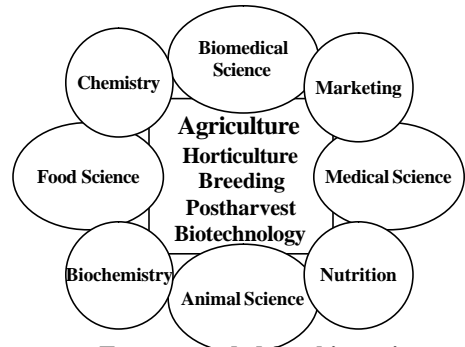
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Dissemination Activities/Future

- Developed three distance learning courses
- Invited to Participate and present a Paper in 8th Annual Information Technology and Distance Education Conference, Edinburg, TX May 15-17, 2002.
- Arrange Faculty-student-Industry Conference



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Experts needed for this project



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PHYTOCHEMICALS IN FRUITS AND VEGETABLES TO IMPROVE HUMAN HEALTH
 First-of-its kind multi-state and multi-disciplinary course teaching third time at The Texas A&M University System Through Texas Video Conference Network.

...using technology to deliver the latest information concerning the healthful compounds in the foods we eat.

announcements
 assignments
 syllabus
 lecture schedule
 instructors
 slidesets
 news
 email
 class directory

Spring 2003

Phytochemicals in Fruits and Vegetables - Microsoft Internet Explorer

Address: http://phytochemicals.tamu.edu/

phytochemicals in fruits and vegetables to improve human health

...using technology to deliver the latest information concerning the healthful compounds in the foods we eat.

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Highest Number of Students & Highest Number of Locations in US

Indianapolis

Michigan

Weslaco

Dallas

College Station

Leadership Role of HSI in Education

Number of students

- Courses offered through Distance learning

Lessons Learned

- Positive
 1. HSI can also be leaders in higher education
 2. Awareness and hands-on-experience motivated students continue FAS careers
 3. HSI and land grant University projects works
- Negative
 1. Parents needs to be motivated

State Regional Needs/Potential Role of HSIs

- Expose students to land grant and HSI institutions.
- Develop an environment where students of diverse groups meet and study together.

Collaborators

The University of Texas-Pan American, Edinburg
 Dr. Wendy Lawrence-Fowler, Dr. Ralph Carlson and Dr. Hassan Ahmad

Texas A&M University, College Station
 Dr. David Byrne and Dr. Manual Pina

South Texas Community College, McAllen
 Dr. Dana Cantu and Mr. Mark Abassi

Texas State Technical College, Harlingen
 Mr. Angel Mendez

Texas Tech University, Lubbock
 Dr. Ellen Peffley

Connie Sebesta

VIC

...Learning to eat healthy

