



DEPARTMENT OF FOOD SCIENCE SUMMER 2013 NEWSLETTER

Rutgers, The State University of New Jersey; School of Environmental and Biological Sciences
65 Dudley Road; New Brunswick, New Jersey 08901-8520
<http://foodsci.rutgers.edu>



RUTGERS
School of Environmental
and Biological Sciences

CHAIR'S MESSAGE



Greetings!

It's my pleasure to report on the highlights of the Department of Food Science at Rutgers University during the last year.

We graduated 24 B.S., 21 M.S. and 12 Ph.D. students. Congratulations to our graduates and our best wishes to all. Our undergraduate enrollment is now close to 140 (the highest ever) and our graduate program continues to be very competitive and highly sought after. We rolled out our first group of MBS graduates in the Food Science track. We also graduated the first class of 2+2 students from South China University of Technology. We are expecting six students from there in our UG program in fall 2013. Our faculty continues to be very productive in terms of research grants and publications, despite a harder than ever funding environment. Dr. Qingrong (Ron) Huang was promoted to Professor and Dr. Donald Schaffner was promoted to Distinguished Professor. Congratulations to them both! Karin Conover retired last fall and Bill Hamilton joined the Department as an accountant. Frank Caira also retired and was replaced by Bill Sumal. We have reinvigorated our fund raising campaign. Already many of our distinguished alumni have made major donations to this campaign. The Department's advisory council continues to provide valuable input to the Chair's office.

With best wishes,

Mukund V. Karwe, Department Chair

RUTGERS FOOD SCIENCE ADVISORY COUNCIL

Welcome and thanks to our new Advisory Council members:

Dr. Michael M. Blumenthal
Mr. John Caporaso
Ms. Renee Flesch
Dr. Guy Hartman
Dr. Gilbert A. Leveille

And, of course, many thanks to our continuing Advisory Council members:

Dr. Carol Christensen	Mr. John Hargreaves
Dr. Dennis R. Heldman	Dr. Hank Izzo
Dr. Ellen Lauber	Mr. John Leighton
Dr. Charles Manley	Dr. Peggy Poole
Dr. Sree Raghavan	Dr. Arvind Ranodze
Dr. Ramkishan D. Rao	Dr. Laura L. Rokosz
Dr. Daniel Rosenfield	Mr. Glenn Suter
Dr. Patricia Verduin	



TO OUR FACULTY, STUDENTS AND ALUMNI



Dr. Donald Schaffner
Promoted to Distinguished Professor



Dr. Qingrong Huang
Promoted to Professor

Dr. Chi-Tang Ho
Flavor and Extract Manufacturers Association
Lifetime Achievement Award
Rutgers Food Science Alumni Committee
Lifetime Achievement Award

Dr. George Carman
National Institutes of Health Grant for the 31st Continuous Year

Dr. Michael Rogers
Faculty Endel Karmas Award for Excellence in Teaching

Mr. Wenchao Li
Teaching Assistant Endel Karmas Award for Excellence in Teaching

Ms. Annie D'Souza Palaparathi
IFTSA Excellence in Leadership Award

**Ms. Karen Chang; Ms. Huixin Du; Ms. Jingjing Guo; Ms. Yue Ji;
Mr. Eric Mendez; Ms. Linlin Song; Mr. Yin Wang; Ms. Linhong Yao;
and Ms. Hijuang Zheng**

Second place in the IFT Heart Healthy Conference

**Mr. Harsh Chandarana; Ms. Lauren Eisen; Ms. Lumeng Jin;
Ms. Chang Liu; Ms. Elham Lashkari; Ms. Kavita Solanki;
Ms. Xin Tian; Ms. Yan Wang; Ms. Ying Wang; Ms. Songwei Wu;
and Mr. Siyuan Zhou**

Finalists in the IFT Initiative for Feeding Tomorrow

Food Science GSA
Finalists in the IFT Chapter of the Year Competition

Ms. Minquian Wang
Daun Family Prize

Ms. Pam Ting
Fereidoon Shahidi Fellowship
Withycombe-Charalambous Award

Mr. Jose Maldonado and Ms. Xiaorong Su
PMCA Annual Conference Travel Award

Dr. Nitin Nitin (Ph.D. 2009)
IFT 2013 Samuel Prescott Award Winner
Faculty Member, University of California, Davis

Dr. Rohan Tikekar (M.S. 2006)
Now a faculty member at Drexel University



FUNDING CAMPAIGN REINVIGORATED



With help from Jane Nordell, Director of Development of SEBS, the Department has reinvigorated our fund raising campaign. Our goal is to raise \$1.1 M to support various initiatives, such as undergraduate laboratory and pilot plant modernization, graduate scholarships, undergraduate and graduate pilot research projects, and external speaker seminars. I am happy to report that in the last six months we received donations from \$50 to \$50,000 from our alumni and friends. So far we have raised close to \$143,000 including all contributions. We are counting on the alumni and friends of our Department to help achieve our goal, and to be the first Department on campus to have a successful fund raising campaign of this scale. (Want to contribute? Please contact Ms. Jane Nordell; Director of Development; SEBS; Rutgers University; nordell@aesop.rutgers.edu.)



WELCOME TO OUR TWO NEWEST STAFF MEMBERS

William (Bill) Hamilton (left) takes over as our Accounting Assistant II. Bill is married with two children, a son and a daughter, and a dog. His daughter will be attending Rutgers this fall. We're happy he's here and he says he's happy to be here.

William (Bill) Sumal (right) takes over as our Senior Maintenance Mechanic. Bill is married, has one son, one grandson, and a dog. He enjoys cooking and antiquing when not at work. We are pleased he joined our Department.



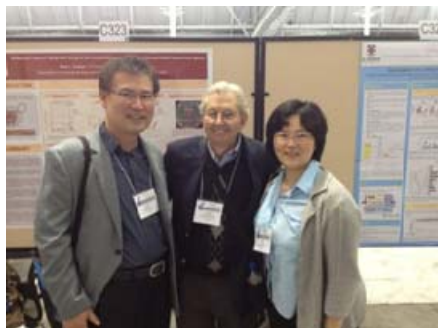
DR. CHI-TANG HO IN CHINA

Dr. Chi-Tang Ho was invited by Shanghai Jiaotong University, one of the top five universities in China, to give lectures on functional foods ("Functional Food Chemistry: Management Of Oxidative Stress and Carbonyl Stress:), during May and June of 2013.



DR. GEORGE CARMAN IN BOSTON

At the Experimental Biology meeting in Boston this past April, the Carman Laboratory presented five papers on various aspects of lipid metabolism in Baker's yeast. At the meeting, Dr. Gil-Soo Han, who discovered the fat-regulating PAH1 gene in 2006, met with Dr. Wen-I Wu (Ph.D. 1996), who, in 1993, deposited the purified phosphatidate phosphatase enzyme in the freezer on which Han's discovery was based. Dr. Carman was pleased that the two had the chance to meet and reminisce about their work.



From left to right: Dr. Gil-Soo Han, Dr. George Carman, Dr. Wen-I Wu

ALUMNI

ALUMNI NEWS

ALUMNI

This year the Food Science Alumni gathered at the Food Science Building on April 27, 2013 in conjunction with the campus-wide Rutgers Day/Ag Field Day festivities to honor our long-time friend and mentor, Dr. Chi-Tang Ho, as the recipient of the 2013 Lifetime Achievement Award in Food Science and Technology. As many of you know, Dr. Ho is a long-time distinguished faculty member of this Department, dating back to the mid-seventies. Many of his students, both current and past, were in attendance. Present were former students Dr. Chris Houlihan, Sherman Hwang and Hae Sook Kim, along with a number of students dating from the eighties and nineties. His wife, Yuen, as well as other members of his family were present. Having first landed on the banks of the Raritan in the mid-seventies as a young post-doctoral researcher in the Chemistry Department, Dr. Ho continues to impart his knowledge and expertise to students in Food Science to this very day. His life and accomplishments over the past 30 years in the Department were highlighted at the gathering.

Rutgers Food Science alumni and faculty will hold a reception this year at the National IFT Meeting in Chicago during which we will honor Dr. Guy Hartman, Dr. Apostolos Pappas, Mr. Glenn Suter and Dr. Patricia Verduin for their contributions to Food Science and technology.

DR. BEVERLY TEPPER IN ITALY



From left to right:
Prof. Iole Tomassini Barbarossa
Ms. Melania Melis
Prof. Beverly Tepper



Students taking a taste test



Dr. Beverly Tepper was a Visiting Professor at the University of Cagliari, Sardinia, Italy in July of 2012. She was the guest of Professor Iole Tomassini Barbarossa. The graduate student pictured, Ms. Melania Melis, completed a six-month research fellowship in Dr. Tepper's Sensory Laboratory from January to June, 2013. While in Italy Dr. Tepper taught a series of lectures and workshops on sensory science. Topics covered included the physiology of taste and smell, central and peripheral mechanisms of chemosensation, and methods in sensory testing. She conducted sensory tests with students to determine if they would qualify as panelists for a mock expert panel.

DR. DONALD SCHAFFNER IN BRAZIL

Dr. Donald Schaffner travelled to Brazil for the month of June 2013. While there Dr. Schaffner was the guest of Dr. Bernadette Franco of the University of Sao Paulo in Sao Paulo, Brazil. He also visited the University of Campinas (Unicamp) where he was hosted by Dr. Anderson Sant'ana, a professor at Unicamp. While at Unicamp Dr. Schaffner gave lectures on statistical sampling, predictive food microbiology and quantitative microbial risk assessment. The trip to Campinas also featured a trip to a fresh-cut vegetable processing operation near there. After Unicamp, Dr. Schaffner travelled to Rio de Janeiro. He visited the Federal University of Rio De Janeiro as well as a few famous tourist attractions. After Rio, Dr. Schaffner travelled to Florianopolis, an island city located south of Sao Paulo, and home to the Federal University of Santa Catarina (UFSC) where he lectured on microbial challenge studies and quantitative microbial risk assessment. In the last week of June Dr. Schaffner returned to Sao Paulo to present a four-day workshop in microbial challenge studies.

Sugarloaf Mountain, Rio



Dr. Anderson Sant'ana
and his wife Luciella



Federal University of Brazil, Rio

DR. MICHAEL CHIKINDAS IN SLOVAKIA, CHINA, BRAZIL AND GEORGIA

While traveling domestically and internationally Dr. Chikindas delivered presentations on natural antimicrobial peptides and their role in controlling undesirable microorganisms and in human health. He was a guest lecturer at Temple University in Philadelphia (spring semester 2013); served as President of the International Scientific Conference on Bacteriocins and Antimicrobial Peptides in Kosice, Slovakia (May 2013); was an invited speaker at Shanghai Medical University in China (May 2013); was an invited speaker at the Brazil Association for Food Protection in Sao Paulo, Brazil (September 2012); was an invited speaker at the 5th International symposium of Post-Graduation and Research in Ribeirao Preto, Brazil (September 2012); and was an invited speaker at the Bacteriophages and Probiotics—Alternatives to Antibiotics Conference in Tbilisi, Georgia (July, 2012).



Dr. Michael Chikindas



One of our Food Microbiology students is an intern at the Valley Shepherd Creamery. Here is Dr. Michael Chikindas on a visit there!



GRADUATE STUDENT NEWS

The Rutgers Food Science GSA experience is unique in that it contributes to the continual growth of students both personally and professionally. It prepares students to become leaders and make a difference in their fields. This past year the GSA invited speakers from diverse food industry fields whose talks went beyond basic classroom instruction and research focus. Among the topics presented were patent law, regulatory affairs and marketing. The GSA sponsors social events for students, faculty and staff; tea times, ice cream socials and a variety of holiday parties here in the Food Science Building; and fun and educational student trips outside the University. GSA outreach projects within the University community include Rutgers Against Hunger, Adopt-a-Family, the Big Chill and Relay-for-Life. Outside the University, the GSA participates in community education, helping school children explore science by means of fun food science oriented activities to raise awareness about the importance of science in general and food science specifically. The GSA collaborated with the 4-H Youth education program demonstrating the fundamentals of chemistry and physics using food as a tool, emphasizing the significance of food safety and awareness about healthy eating. The GSA plans to continue these outstanding events and more in the coming year.



CONGRATULATIONS AND BEST WISHES TO OUR 2013 GRADUATES



Recipients of the Doctor of Philosophy Degree

Saifanassour Ali Arabi	Kathryn Bardsley	Minjung Chae
Phong Huynh	Meenakshi Khurana	Seung-Wook Seo
Ke Shi	Wen-Min Su	Xiaorong Su
Xin Tian	Wen-Hsuan Wu	Xiaoqing Yang

Recipients of the Master of Science Degree

Ronnie Alson	Jose Barbosa	Nirvana Chapman
Tara Hintz	Ozlem Dolu	Tara Hintz
Dane Jensen	David Michelen	Yu-Hsin Pang
Tulsi Patel	Seema Lakshmana Rao	Soumi Ray
Ilona Repko	Margarita Rugeles-Rodriguez	Lisa Hayle Schultz
Kavita Solanki	Rajay Teraiya	Yijing Zhou

Recipients of the Master of Business and Science Degree

Lauren Citro*	Angela Melillo*	*Our first MBS graduates!
Devraj Swaminarayan*	Khyati Valand*	

Recipients of the Bachelor of Science Degree

Hilda Boanoh	Tomoe Bien	Zohab Boghani
Christina Camarada	Harsh Chandarana	Allison Clawans
Khadijah Daniels	Joanna Hanson	April Hartman
Jeffrey Henderson	Huidong Huang♦	Ashley Lagzial
Mitchell Mattes	Eric Mendez	Brian Morris
Laura Muller	Scott Quaraella	Kendall Rotondo
Amanda Schlenker	Adrienne Speranza	Wei Yong♦
Zishuo Zeng♦	Jia Liu Zhang♦	Ying Xu♦



UNDERGRADUATE STUDENT NEWS

Enrollment and attendance in the Rutgers Food Science Undergraduate Club increased dramatically last year. Their many activities included evening chats with Department faculty and a panel of alumni to answer student questions about what lies beyond graduation. They went on food science related trips covering the spectrum from farm to fork. They visited the Valley Shepherd Creamery, Lee Brother's Cranberry bog, and the Research and Development departments of Pepsico and Mars. They assembled and donated 150 bag lunches to a local soup kitchen. Several students are planning to attend the IFT Meeting and Expo in Chicago this summer and they are already making plans for the coming academic year.

♦Our first 2 + 2 Graduates from China!