



American University of Beirut
Faculty of Agricultural
and Food Sciences

2007 - 08
**Annual
Report**



Preface

During Academic Year 2007/2008, FAFS progressed on several fronts related to academic, administrative, and capacity building.

On the academic level the Nutrition and Food Science Department (NFSC) was designated as a WHO collaborating Center for Food and Nutrition, which is the first in the country in any discipline, and the Agribusiness program, proposed by FAFS, was approved by the Senate in June 2008. On the other hand the newly formed department of agricultural sciences has been asked to undergo major revisions of the current undergraduate agriculture program taking into consideration the opportunity to enhance the sustainability of livelihoods in an age where climate change dictates the need for innovations in the food systems. Furthermore, and in response to a BOT suggestion, all FAFS Departments conducted a review of their academic programs and presented their recommendations to the Dean.

At the administrative level the process of Fund raising for Wing B has been initiated this year to accommodate the academic programs of the faculty. Meanwhile FAFS addressed logistics and reorganization constraints confronting the newly formed Departments as they develop their identities and priorities. In this respect, administrative decisions related to space re-allocation, preparation of brochures, website, Faculty portfolio, and planned renovations were initiated to improve students' academic environment and better accommodate their interactions with their respective departments. Faculty and staff will now be organized into defined locations in the Faculty and the space is being renovated to achieve that goal. To support and recognize its faculty engaged in interdisciplinary academic activities, FAFS is working with those who are engaged with IGESP, IBSAR, and IFI to develop administrative and reporting guidelines.

Furthermore FAFS has worked at offsetting the discrepancy in the student to faculty ratio between various programs by reallocating appointments and reappointments according to need. To valorize AREC as an academic asset to FAFS and to AUB an Associate Dean was appointed to specifically develop and implement a strategic plan for the center. Concurrently, an AREC institutional proposal was submitted to USAID.

With respect to capacity building FAFS has engaged in the process of accrediting all its academic programs by their respective professional organizations. The NFSC has prepared the necessary steps to accredit its Nutrition and dietetics program by the American Dietetic Association. This document is currently being reviewed by the various Academic Committees of the Faculty for approval by the Senate and the BOT.



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I. Office of the Dean



A. Non-Academic Personnel

There are eight non-academic employees at the Dean's office as per the table below:

Name	Title
Haddad, Tharwat	Students Record Officer
Hamzeh, Haifa	Secretary
Haydar, Imad	Junior Clerk
Houri, Laila	Financial Officer
Khoury, Wafa	Executive Officer
Koubayssi, Rabia	Assistant for Student Services
Wali, Yamama	Clerk Stenographer

- A draft proposal on the duties and prerogatives of Chairpersons was submitted to the Committee.
- Presentation of data and statistics to the Committee on enrollment of undergraduate students projected over the coming 5 years.
- Approved the appointment of a consultant to study and review space at FAFS particularly in Wing B.
- Approved new forms presented by the Dean summarizing Faculty performance and evaluation.
- Approved to have 10% of tuition fees of AREC students credited as AREC Revenue.
- Approved to move the jurisdiction of the Greenhouse Area from the Agriculture Science department to the Landscape Design and Ecosystem Management Department.
- Approved the operating and capital budgets for 2008-2009 for all FAFS departments.
- Approved the appointment of graduate assistants for the first semester, second semester and the Summer Session. New criteria were developed for the appointment of graduate assistants effective academic year 2008/09.

B. Standing Committees

The Administrative Committee

Prepared by: Wafa Khoury, Executive Officer

Membership

Nahla Hwalla, Chairperson
Isam Bashour
Elie Barbour
Imad Toufeili
Rami Zurayk
Wafa Khoury, Secretary

Committee Actions

The committee held nine meetings throughout 2007-2008 to discuss and act on various issues as follows:

- The Dean asked FAFS Chairpersons to prepare the program review reports for members of BOT during their visit in April 2008.
- A new policy on time release from teaching for Faculty Members and Chairpersons was established.

The Advisory Committee

Prepared by: Dr. Imad Toufeili, NFSC chairperson

Membership

Nahla Hwalla, Chairperson
Youssef Abou Jawdah
Shady S. Hamadeh
Musa Nimah
Fawwak Sleiman
Salma Talhouk
Imad Toufeili, Secretary

Committee Actions

Dr. Imad Toufeili was appointed as the new secretary of the Committee. The Committee met 10 times and voted on 93 motions, including approval of Faculty Committees Revision, changing the name of the Animal Science Department to the Department of Animal and Veterinary Science; appointment of Dr. Rami Zurayk as Associate Dean of FAFS; appointment of two new faculty members, Dr. Farah Naja Alameddine as assistant professor in Nutrition and Dr. Jad Chaaban as assistant professor in Agricultural Economics; appointment of Dr. Nabil Nemer as Associate to the Faculty; renewal of contracts for faculty members; applications for short term faculty develop-



ments; long term faculty development; junior faculty research leave; leave with pay; appointment of part-timers; renewal of appointment of Dr. Al Zubaidi as Visiting Professor; advertising for faculty positions in Nutrition, Horticulture and Landscape Design; and invitation of Dr. Lena Davidson as a URB visiting scholar.

Among the other major actions taken were the evaluation and recommendation of two faculty members for promotion to associate professor, alerting the chairs of departments to the need of proper annual evaluation of faculty members, and the rigorous evaluation of full professors due for renewal of their contracts.

The Academic and Curriculum Committee

Prepared by: Rabia Koubayssi, Assistant for Student Services

Membership

Nahla Hwalla, Chairperson
 Dr. Elie Barbour
 Dr. Issam Bashour
 Dr. Mustafa Haidar
 Dr. Zeina Kassaify
 Dr. Omar Obeid
 Dr. Imad Toufeili
 Dr. Rami Zurayk
 Mrs. Huda Nakad, Registrar's Representative
 Mr. Karim Awkal, SRC Representative
 Miss Rabia Koubayssi, Secretary

Committee Actions

The Committee met 10 times during the academic year 2007-2008 and considered 50 petitions from students.

The Committee approved and discussed the following:

- Eligibility of 7 students in the Agriculture program and 18 students in the Landscape program to go to AREC during spring semester of 2007/08.
- Classes at AREC to start on March 3, 2008.
- Allow senior students to take a maximum of 6 credits in graduate courses; provided students have a cumulative average of 77 and above.
- Students with junior standing petitioning for 19 credits should have a cumulative average of 80 and above. Petitions will be looked at on case by case basis.
- Approved the following courses as FAFS humanities:

- AMST: 215; 220; 230
- ARAB: 211 through 249
- ARCH: 020 through 029; 121; 122; 223; 224; 325
- AROL: 201 through 231
- CVSP: 201 through 208; 215; 216; 230; 250; 251; CVSP/ German 201; 202; 211; CVSP/ French 201; 202; 211
- ENGL: 201; 205; 207; THROUGH 247; 294
- FAAH: 218-19; 221-225A; 225B; 225C; 226A; 226B; 226C; 227A; 227B; 227C; 228A; 228B; 228C; 229A; 229B; 229C; 235; 238; 240; 241; 245 through 248; 260; 261; 265; 270
- GRDS: 325
- HIST: All 200 through 274; 286; 287
- LDEM: 201; 262
- PHIL: 201 through 249
- SOAN: 215; 217; 225

- Approved the enrolment number of students per class during the summer term to be 12 and above instead of 15 effective summer 2007-08.
- The Committee approved the Agri-business program taking into consideration the comments made by members of the Committee.
- Approved the recommendation of the LDEM Dept. for 2nd BS degree in LDEM that 60 credits out of the required 99 cr. can be in transferable courses.
- The Committee approved the following new courses to be offered during summer 2007-08 and fall 2008-09 by the LDEM Dept.:
 - LDEM 200 (4 cr.) "Landscape Technical Drawing" in lieu of ARCH 111 (Technical Drawing, 4 cr.) during summer 2007-08.
 - LDEM 217 "Soils in the Landscape (3 cr.) is to replace AGSC 215 "Introduction to Soils" (3 cr.).
 - LDEM 290 "Professional Practice" (3 cr.) is to replace AGSC 290 "Project Planning and Appraisal" (3 cr.).
- Based on the probation rules and regulations as indicated in the AUB catalogue, the Committee acted to drop eight students effective June 2008 and August 2008. Strict probation was given to another eight students

Recommendations

- The Committee recommended to the Animal Science Department to revise the syllabi of the following courses: VET. 201 (Microbiology I + II, Bacteriology and Virology), VET 202 (Animal Breeding and Genetics 1), VET 208 (Animal Breeding and Genetics 2), VET 210 (Applied Ethology), VET 209 (Animal Nutrition and Dietetics), VET 203 (History of Veterinary Medicine) and VET 207 (Veterinary Immunology) in line with the standard used by FAFS.
- The Dean informed the Committee that courses that are to be considered as natural sciences for FAS students will have to be approved by the Academic Committee in Arts and Sciences. Such courses should have a lab in order to



be considered as a natural science elective. It was suggested that Department Chairpersons look into these courses and discuss with their departments the type of electives these courses are to be considered.

- The Committee discussed the AREC program. One of the members stated that AREC courses needed shuffling and that the program should be revised. It was recommended that an Ad Hoc Committee for AREC teaching curriculum committee be established.
- The Committee recommended to the Faculty to award the B.S. degree in Agriculture and Diploma of Ingenieur Agricole to 14 students, the B.S. degree in Landscape Design and Eco-Management and Diploma of Ingenieur Agricole to 17 students, the B.S. degree in Food Sciences and Management to 40 students and the B.S. degree in Nutrition and Dietetics to 55 students for the academic year of 2007-2008.

The Admissions Committee

Prepared by: Tharwat Haddad, Student Records Officer

Membership

Nahla Hwalla, Chairperson
Dr. Issam Barbour
Dr. Mustafa Haidar
Dr. Ammar Olabi
Dr. Musa Nimah
Admission's Representative
Registrar's Representative
Student Representative
Miss Tharwat Haddad, Secretary

Committee Actions

For the academic year 2007-2008, Dr. M. Nimah was appointed as FAFS representative to the University Unified Admissions Committee (UUAC).

- The Committee held four meetings during the academic year 2007-2008.
- On March 4, 2008, the Committee reviewed and agreed on adopting the projected enrolment for AY 2008-2009 of the five majors, as provided by the four FAFS departments:
 - AGRI 120
 - LDEM 30
 - NUTR 20
 - FSMT 30
 - VTSC 20

- Transfer applicants from Universities other than AUB were recommended to the UUAC to be accepted in the five FAFS majors for the spring 2007-2008, summer 2007-2008 and fall 2008-2009 semesters.
- Transfer students from freshman, other faculties at AUB and from FAFS were accepted by the admissions committee after the recommendation of the Departments' concerned for the academic year 2007-2008.
- The Committee accepted in the academic Year 2007-2008 95 transfer students in the five majors offered by FAFS as in the following Transfer Admissions Table.



Transfer Admissions										
UG Majors	Applications Received					Students Accepted				
	Other Universities	Second Degree	Other Faculties	Within FAPS	Total No. of Applications Received	Other Universities	Second Degree	Other Faculties	Within	Total No. of Accepted Students
Spring 2007-2008										
NTDT	3	3	24	4	34	1	2	7	4	14
AGRI	2	1	12		15	2	1	6		9
LDEM			5		5			3		3
FSMT		1	9		10		1	7		8
Total	5	5	50	4	64	3	4	23	4	34
Summer 2007-2008										
NTDT		1			1		1			1
AGRI		1	1		2		1	1		2
Total	0	2	1	0	3	0	2	1	0	3
Fall 2008-2009										
NTDT		5	32	5	42		4	18	5	27
AGRI	2		11		13	1		10		11
LDEM	2	2	5	2	11	2	2	5	2	11
FSMT	1		14	1	16	1		6	1	8
VTSC			1	1	2			1		1
Total	5	7	63	9	84	4	6	40	8	58

Recommendations

The Admissions' Committee Members agreed that the UUAC should raise the composite scores for the three majors Nutrition and dietetics, Food Sciences & Management, and Landscape Design & Eco-Management, because enrollment figures were very high last year. However, for the Veterinary Science major, it was agreed to implement a lower cut-off score.

The Graduate Committee

Prepared by: Rabia Koubayssi, Assistant for Student Services

Membership

Nahla Hwalla, Chairperson
 Mohammad Farran
 Lara Nasreddine
 Omar Obeid
 Ammar Olabi
 Fawwak Sleiman
 Admission's Representative
 Registrar's Representative
 Rabia Koubayssi, Secretary

Committee Actions

The Committee agreed that all newly admitted graduate students are required to take a written and oral comprehensive exam. The committee also decided, effective Fall 2008/09 that prospective graduate students are not allowed to take graduate courses before completing the required prerequisites; and that graduate courses taken by prospective graduate students will not be transferred to their graduate program.

The Committee acted on a number of petitions submitted by students.

- Approved the program of study and thesis titles of 29 students.
- Accepted in the masters program about 84 students of which 28 enrolled; 21 in NFS Department and 7 distributed in other disciplines.

Recommendations

The Committee recommended to the Faculty to award the MS degree for the academic year 2007-2008 to the 27 students in their respective majors: 9 in Nutrition, 4 in Food Technology, 4 in Plant Protection, 1 in Plant Science, 3 in Agricultural Economics, 1 in Animal Science, 1 in Poultry Science, and 4 Ecosystem Management.

The Research Committee

Prepared by: Dr. Yusuf Abou Jawdeh, Professor

Membership

Yusuf Abou Jawdeh, Chairperson

Members

Nadim Farajalla
Lara Nasreddine
Ammar Olabi

Committee Actions

The Committee members met several times (five subcommittee meetings and four formal meetings) during the period of October 1, 2007 until June 30, 2008. The major subjects dealt with were:

- Review of the URB policies and ways to encourage research at FAFS.
- Evaluation of the research articles submitted for Dr. Rubeiz's award and nomination of three faculty members for the award. However, due to the limited number of applicants, it was recommended to write to the chairpersons asking them to encourage their faculty members to apply.
- Writing the research report for the 2006-7 academic year based on feedback from faculty members for those who replied and on annual reports for those who did not reply.
- Evaluation of URB proposals: Evaluation criteria were discussed and modified. Assistant and associate professors were encouraged by giving them 10% and 5% higher scores, respectively, than full professors. A decision was taken to ask each applicant to provide the names and addresses of two local and two external referees. In addition, committee members were asked to provide two additional external referees for each proposal. An electronic evaluation form was developed and sent to reviewers. Twelve research proposals were evaluated and rated.

The members of the committee evaluated three FAFS research proposals submitted to LNCSR.

Below is a table summarizing the 2007-08 grant proposals submitted to the committee and approved by URB.

Research Grants				
Principal Investigator	Co-Investigator	Title	Approved budget \$	
About-Jawdah, Youssef		Cucurbit yellow stunting disorder virus: Sensitivity or detection methods and Development of resistant transgenic plants	7,500	
Barbour, Elie	Saikaly, Pascal; Kassaiy, Zeina	Nucleic Acid Sequence Variability in the Hemagglutinin Gene of Multiply Passaged-H9N2 Avian Viruses	5,000	
Farajallah, Nadim	Saoud, Imad	Development of a re-circulating aquaculture system for producing tilapia fry in the bekaa: feasibility and economic cost.	8,500	
Haidar, Mustapha		Cover Crops for Orobanche ramosa Control in Potato	5,000	
Hamadeh, Shady		Physiological responses of Baladi and Shami goats and newborn kids subjected to intermittent watering during the peripartum period	5,000	
Kassaiy, Zeina	Barbour, Elie	Investigation of Control of Salmonella spp. in Tahini and Tahini Products	5,200	
Nasreddine, Lara	Hwalla, Nahla Adra, Nada	Dietary exposure to pesticide residues in Lebanon: a total diet study approach	8,500	
Obeid, Omar	Hwalla, Nahla Azar, Sami	Effect of lysine, vitamin B6 and carnitine supplementation on male subjects with hypertriglyceridemia.	7,500	



Research Grants continued				
Principal Investigator	Co-Investigator	Title	Approved budget \$	
Yau, Sui-Kwong		Effects of rotation: Comparing barley performance after a previous crop of safflower, chickpea, or barley	5,000	
Bashour, Isam	Haidar, Mustapha	Response of Orobanche ramosa to Anhydrous Ammonia in Potato	5,000	
Toufeili, Imad	Olabi, Ammar	Determination of sensory thresholds of selected iron compounds and formulation of iron-fortified Arabic bread	6,000	
Olabi, Ammar		The characterization of the physiochemical, microbiological and sensory properties of full-fat, reduced-fat and low-fat ovine and bovine Kashkaval cheese	8,500	

The Library Committee

Prepared by: Dr. Sui-Kwong Yau

Membership

Sui-Kwong Yau, Chairperson
Ali Hussein
Zeina Kassaify
Julie Weltzein

Committee Actions

During this period, no official meetings were held; communication was maintained by email and phone call. The Committee was of the opinion that the present situation is acceptable pending the construction of a new Library.

The Committee sent out an email to each faculty member seeking their comments about the library services. No reply on unsatisfactory service was received. The suggestion that the library at AREC needs strengthening in journals and books was raised in the University Library Committee, which however did not see the need of duplication in journal and book holdings except for a few essential methodology reference books.

The Provost's Office initiated changing the name of the Library Committee in each faculty to the Library and Information Technology Committee. With this change, the Committee would also acts as liaison to the Academic Computing Center to share information on educational technology and advises the Faculty on new technology and internet resources. Comments supporting the change were sent to the office of the provost through the Dean of the Faculty.

The Student Affairs Committee

Prepared by: Dr. Ammar Olabi, Assistant Professor.

Membership

Ammar Olabi, Chairperson
Nadim Farajalla
Zeina Kassaify
Julie Weltzien
Sandra Abi Nader (SRC representative)



Committee Actions

The Committee met several times during the period of October 1, 2007 to June 30, 2008, and voted on many items. The Committee members discussed disciplinary actions and FAFS awards and made relevant recommendations to the Dean. Below is a list compiling first, the list of students who were subject of disciplinary actions and second, students who received awards for the 2007-08 academic year.

Disciplinary Actions

One LDEM was accused of plagiarizing a portion of her term paper for ENGL 203 in Fall 07-08. The Student Affairs Committee of the Faculty of Arts and Sciences found her guilty of cheating and recommended giving her a Dean's warning. The FAFS Student Affairs Committee met and seconded this recommendation.

Another (NTDT) was accused of plagiarizing a portion of her term paper for ARAB 239 in Spring 07-08. The Arts and Sciences Student Affairs Committee recommended giving a Dean's Warning. The FAFS Student Affairs Committee met and seconded this recommendation.

Another (NTDT) was accused of breaching the Student Code of Conduct by repeatedly speaking with another student during the final exam period of her PHIL 211 course Fall 07-08. The Arts and Sciences Student Affairs Committee recommended giving her a Dean's Warning. The FAFS Student Affairs Committee met and, after discussing this matter at length over two meetings, seconded this recommendation.

FAFS Awards

1. Joana Haidar Award

The committee selected Mr. Antoine Khalil (LDEM) for this award for the 2007-2008 academic year.

2. FAFS Alumni Award

The committee selected Mr. Rani Bassil (AGRI) for this award for the 2007-2008 academic year.

3. Edgecombe Award

The committee selected Mr. Michael Dariane (AGRI) for this award for the 2007-2008 academic year.

4. Dean Thomas Sutherland Prize for Graduate Excellence

An e-mail was sent by the Chairperson to all faculty members to call for nominations for this award. Each professor was asked to nominate only one graduate student along with a copy of the thesis, resume and a provision of justification for making the nomination. Four nominations were considered and each thesis was reviewed by two outside reviewers.

Reviewer's comments (evaluation sheet) were used as criteria for selection/ranking. Ranking was based on the originality, design, research, clarity of presentation and importance to the field. The committee selected Ms. Rita Rizk (Food Technology) for this award for the 2007-2008 academic year.

5. Abdul Hadi Debs Award

The procedures for evaluating this award were similar to Dean Sutherland's award. The committee selected Ms. Alia Sabra (Poultry Science) for this award for the 2007-2008 academic year.

6. Penrose Award

The Chair sent an e-mail to all FAFS faculty members asking them to submit nominations for this award. The Committee reviewed the records of four nominees. After reviewing them, the committee recommended to the Dean three nominees, with no specific order of preference:

1. Claudia Matta
2. Achraf Kawwa
3. Michael Dariane

Candidates were asked to make short presentations about their qualifications for the award during the upcoming faculty meeting. The faculty voted for Ms. Claudia Matta (NTDT) to receive this award for the 2007-2008 academic year.

C. Adhoc Committees

The AREC Committee

Prepared by: Dr. Fawwak Sleiman

Membership

Fawwak Sleiman, Chairperson
Zeina Kassaify



Musa Nimah
Julie Weltzein
Sui-Kwong Yau

Committee Actions

The AREC Committee conducted five meetings that were attended by the Dean. With the appointment of an Associate Dean for AREC, the Dean decided to end the term of office of the AREC Committee on September 2, 2008.

During the academic year 2007-2008, the committee:

- Prepared a draft contract for casual agreement with the University
- Approved the cropping plan for 2007-2008 taking into consideration the study (water availability at AREC) presented by Dr. Nimah
- Accepted and followed up on the implementation of the recommendations of Dr. Steve Murray of ACDI/VOCA to increase income and reduce deficit
- Established an evaluation program (expenditure and revenue) of animal operations on monthly basis
- Agreed to establish an AREC Website which would market and promote AREC to the investors, community and the region
- Decided to have an AREC Logo to label AREC produce
- Decided to have the Sweet Corn Day on August 24, 2008

Recommendations

- Sell or lease the combine harvester.
- Increase AREC production outcome from sale of dairy and/or dairy products, meat (cattle, sheep and goats) and poultry (broiler and layers).
- Adopt a cropping plan that takes into consideration water availability in line with the water master plan study.
- Establish a larger orchard with different types of fruit trees.
- Establish a "hill lake" to increase the irrigated area at AREC by about 6.0-7.0 hectares.
- Rehabilitate the underground water supply system (in phases over few years).
- Install security surveillance cameras for security purposes and to monitor AREC field activities.
- Rehabilitate, improve and/or replace the AREC creamery.
- Donate the AREC Incinerator to a neighboring village (Bednail).
- Establish a Vineyard (for wine production on BOT basis, if possible).
- Formulate or have a contract for sale of AREC milk (yearly basis).

D. Honors and Fund Raising

Honors

The Nutrition and Food Sciences Department was designated as a World Health Organization (WHO) Collaborating Center for research, training and outreach in nutrition and Food Sciences. This is the first WHO Center in any field in Lebanon. On this occasion, a ceremony was held on December 6, 2007 at Issam Fares Hall and was attended by the Provost Heath, Dean Hwalla, WHO Country Representative Mr. Hussein Abu Zaid, Mr. Farid Karam representing the Ministry of Public Health. In addition, FAFS Faculty Members, Lebanese Association for Nutrition and Food Sciences members, graduates and students also attended. During the ceremony, Dean Hwalla presented an award to Mrs. Sawsan Wazzan Jabri, graduate of the Nutrition Department; for receiving the Bahraini Prize of innovation and excellence.

Fund Raising and Endowment Funds

During 2007/2008, the following funds were received by FAFS:

- Joseph and Ilham Cicippio Research Fund: This new fund amounting to \$100,000 is targeted to support Nutrition and Food Sciences students' Research.
- The Sheikh Sultan Bin Mohamad Al Qassimi Endowed Scholarship Fund: This fund provides \$250,000 endowment to support a needy Lebanese student from rural areas of Lebanon to study Agriculture.
- Two T Family Scholarships: This is an anonymous fund to support education of 2 Agriculture students.
- Musa and Amal Freiji Endowed Scholarship Fund: this fund will be used to support one Lebanese FAFS and one Education student.
- AREC '80 Fund has successfully raised until now around \$36,000.
- Khaled and Mona Miqdadi Scholarship Fund: This is an annual contribution to AUB equivalent to the fulltime undergraduate tuition fees for an FAFS student



II. The Faculty



A. Faculty Meetings

During the Academic year 2007/2008, 6 Faculty Meetings were held in which the following actions were taken:

- Voting of degrees for FAFS October 2007 graduates, February and June 2008 graduates.
- Approval of recommended students to receive the FAFS awards
- Elections of FAFS representatives on FAFS Standing Committees as well as University Committees
- Approval of the undergraduate program in Agribusiness.
- Faculty members were informed about the administrative committee decisions regarding the time release from their teaching.
- Presentation on FAFS balance Score cards and Key Performance Indicators.

B. Academic Matters

Faculty Recruitment

Three faculty positions in Agricultural Economics, Landscape Design and Nutrition were advertised during this year. After consulting with the concerned departments and the Advisory Committee, two offers were made to Dr. Jad Chaaban as an Assistant Professor of Agricultural Economics and Dr. Farah Naja as an Assistant Professor of Nutrition for 3 years starting October 2008. The Landscape Design position will be re-advertised.

Faculty Numbers

The total number of Faculty Full Time equivalent (FTEs) was 33.1 and was distributed as follows:

- FTE (Full-timers) in Professorial ranks was 23 (Assistant, Associate and Full Professors)
- FTE (Full-timers) in non-professorial ranks was 3 (Instructors)
- FTE (Part-Timers) in both professorial and non-professorial ranks was 7.1 (2.1 Professors & Lecturers and 5 Instructors).

FTE by Department

		Department				
		AGSC	ANSC	LDEM	NFSC	Total
Full-time	Professorial Rank	7	4	6	6	23
	Instructor				3	3
Part-Time		1.6	0.0	4.25	1.25	7.1
Total		8.6	4	10.25	10.25	33.1

In addition, a total of 11 Research Associates, Senior Research Assistants, and Research Assistants were hired.

The table below lists FAFS Full time and part time faculty members sorted by rank:

Professor Emeritus	2
Professors	16
Associate Professors	3
Assistant Professors	8
Senior Lecturer	1
Lecturers	5
Instructors	15

Departmental Chairpersons

- Dr. Elie Barbour; Animal Sciences (Oct. 1, 2007–September 30, 2010)
- Dr. Isam Bashour; Agricultural Sciences (Oct. 1, 2007–September 30, 2010)
- Dr. Imad Toufeili; Nutrition and Food Sciences (October 1, 2006–September 30, 2009) Dr. Rami Zurayk; Landscape Design and Ecosystem Management (Oct. 1, 2007–September 30, 2010). As Dr. Zurayk was appointed Associate Dean on September 1, 2008, Dr. Salma Talhouk was assigned as the Chairperson of the LDEM Department on September 11, 2008 for three years period.

Resignations and Termination of Contracts

Dr. Shady Hamadeh resigned from his post as Associate Dean as of February 1, 2008. Dr. Malek Batal who was denied promotion to associate professor and who was on leave without pay during the academic year 2007/2008 submitted his resignation as of September 30, 2008. The contracts of Drs. Sana Ghaddar, Assistant Professor in Nutrition, Ragy Darwish, Associate Professor in Economics and Sayyed Ali Hussein, Assistant Professor in Landscape design were not renewed beyond September 30, 2008.

Research Grants and Service Contracts

As of October 1, 2007, the University Research Board (URB) provided funds for 13 faculty members with a total budget of \$82,300, while the Lebanese National Council for Scientific Research (LNCSR) provided funds for four faculty members including the Dean with a total budget of \$ 19,562.



During 2007/2008, the following faculty members received new funds from external sources amounting to approximately \$270,898: Drs. Abou Jawdeh, Bashour, Farran, Farajalla, Hamadeh, Hwalla, Makhzoumi and Nasreddine.

Faculty Professional Activities

The following faculty members received short term faculty development grants and presented papers and /or chaired sessions in scientific meetings: Drs. Abou Jawdeh, Barbour, Hamadeh, Haidar, Kassaify, Obeid, Saad, Toufeili, Yau and Zurayk. Moreover, Dr. Olabi received a long-term faculty development grant to conduct research at the California Polytechnic State University, San Luis, Obispo, USA, from July 1 to August 31, 2008. Finally, the published article submitted by Dr. Elie Barbour received the Constantin Rebeiz Award (CA and CC Rebeiz Award) of \$1000 for Agricultural Research at FAFS.

Agribusiness Curriculum

The new undergraduate program in Agribusiness that combines the aspects of financial and business management with the principles of agricultural and farm management was approved by the Senate in its meeting on June 26, 2008.

C. Students

Student Admissions: 2007-2008

The tables below show the numbers and percentages of students who applied to FAFS, those who were admitted and those who were enrolled.

Number of Applicants, Admitted and Enrolled Students

Fall & Spring 2007-2008			
Program	Applications	Admissions	Enrollment
AGRI	502	195	67
FSMT	403	127	35
LDEM	252	103	40
NTDT	491	177	44
VTSC	1	0	0
Total	1649	602	186

Percent Distribution of Applicants

Fall & Spring 2007-2008	
Program	Applications
AGRI	30.4%
FSMT	24.4%
LDEM	15.3%
NTDT	29.8%
VTSC	0.1%

Percentage of Acceptance and Enrolment

Fall & Spring 2007-2008		
	% admitted out of applicants	% Enrolled out of admitted
AGRI	39%	34%
FSMT	32%	28%
LDEM	41%	39%
NTDT	36%	25%
VTSC	0%	0%

Student Enrollment and Graduating students

During this academic year, student enrolment was 573 distributed as follows: 173 in the Nutrition and Dietetics Program; 144 in the Food Sciences and Management Program, 143 in the undergraduate Agriculture Science Program (4 yrs); 113 in the Landscape Design and Eco-Management Program(4yrs); and 84 graduate students in the following majors: 37 in Nutrition, 21 in Food Technology, 7 in Plant Protection, 5 in Agriculture Economics; 5 in Irrigation; 3 in Ecosystem Management; 3 in Poultry Science; 1 in Animal Science; 1 in Plant Science; 1 in Soil Science. 153 students completed the requirements for graduation in the academic year 2007-2008: 55 with a B.S. in Nutrition and Dietetics, 40 with a B.S. in Food Sciences, 14 with a B.S. in Agriculture; 17 with a B.S. in Landscape Design and Eco Management; and 27 received their M.S. degrees in different majors.

Below are the tables and graphs outlining graduating undergraduates, enrolled undergraduates, graduating graduates and enrolled graduates at FAFS for the last 5 academic years.



Number of graduating FAFS undergraduate students for the five academic years

Major	03-04	04-05	05-06	06-07	07-08
AGRI	12	14	12	11	14
LDEM	9	15	8	8	17
FSMT	1	8	25	23	40
NTDT	45	63	50	54	55
Total UG	67	100	95	96	126

Number of enrolled undergraduate FAFS students for the five academic years

Major	03-04	04-05	05-06	06-07	07-08
AGRI	183	176	145	137	143
LDEM	61	69	80	87	113
FSMT	63	125	152	137	144
NTDT	141	148	152	145	172.5
Total Undergraduate	448	518	529	506	572

Number of graduating FAFS graduate students for the five academic years

Major	03-04	04-05	05-06	06-07	07-08
AGEC	0	0	4	2	3
IRRG	0	3	0	2	0
PLPT	2	4	1	3	4
PLSC	2	0	1	2	1
SOIL	0	0	0	2	0
ANML	3	2	2	1	1
POSC	1	2	1	3	1
ECOM	2	4	3	6	4
FTCH	2	3	3	8	4
NUTR	7	7	14	6	9
Total Graduate	19	25	29	35	27

Number of enrolled graduate FAFS students for the five academic years

Major	03-04	04-05	05-06	06-07	07-08
AGEC	5	7	8	6	5
ANML	2	5	6	4	1
ECOM	11	12	9	10	3
FTCH	10	12	17	20	21
IRRG	3	3	3	5	5
NUTR	28	29	33	32	37
PLPT	6	8	8	8	7
PLSC	2	3	4	3	1
POSC	3	3	3	5	3
SOIL	0	2	3	2	1
Total Graduate	70	84	92	95	84

Figure1: Enrolled Undergraduate Students in FAFS (five academic years)

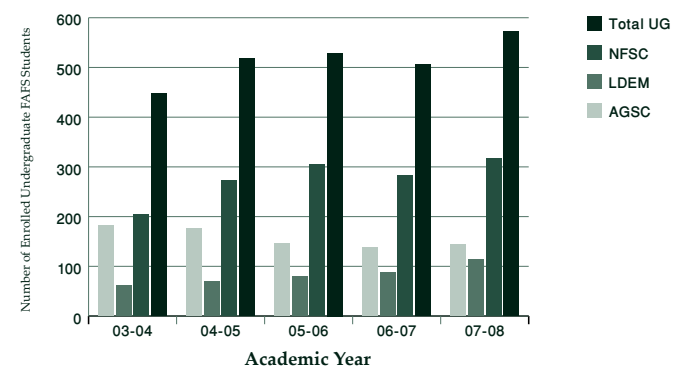




Figure2 : Graduating Undergraduate Students (five academic years)

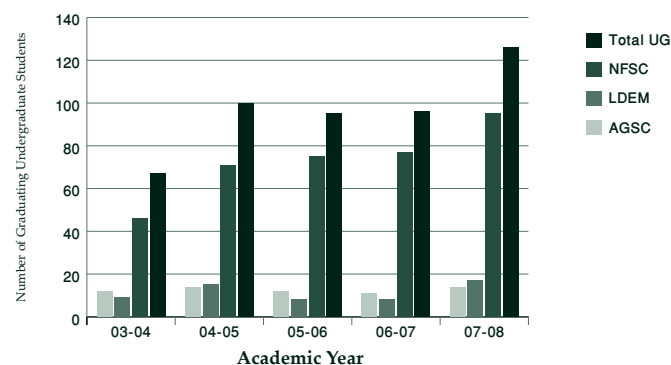


Figure3: Enrolled Graduate Students in FAFS (five academic years)

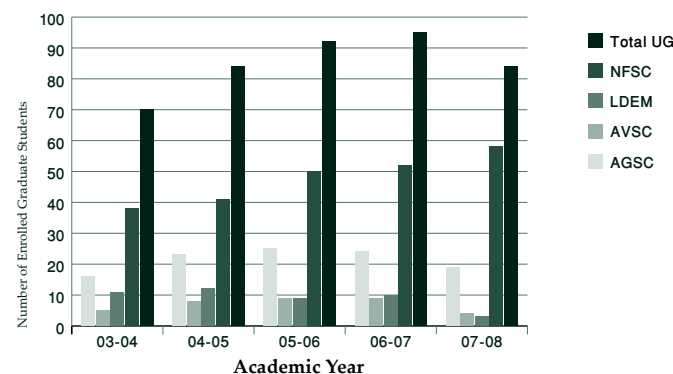
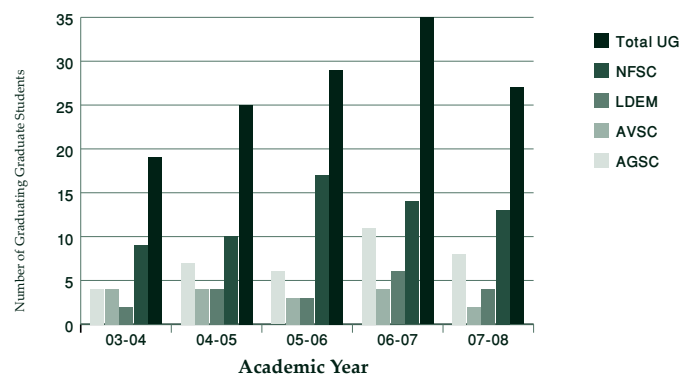


Figure4: Graduating Graduate Students (five academic years)



D. Centers and Units

Agricultural Research and Education Center (AREC)

Prepared by: Nicolas Haddad, AREC Interim Farm Manager

During this year, the research conducted at AREC was focused on the theme of “solving farmers’ problems” such as water accessibility, dramatic increase of raw material prices, marketability of products, etc. Several studies were carried out to determine the water and nutrient requirements of the major crops grown in the Bekaa valley. In terms of production, routine activities in crops, poultry and dairy have been carried out according to established management practices. AREC has also made the necessary arrangements to sell unnecessary vehicles, wood, and equipment and machinery, and culling some of the surplus livestock according to AUB rules and regulations. During this period, AREC achieved an additional revenue over last year but unfortunately an increase in expense was also realized over last year due to the increase in market prices and casual labor fees.

AREC also continued to supply the AUH Dietary, and the AUB pilot plant with their demand of products. This has amounted to a 10% increase over last year. A seed trial project was established with UNIFERT where new varieties of vegetables were introduced and tested.

In terms of staff training, the visit of the AREC interim farm manager to Agricultural Research and Extension Centers of Mississippi State University (MSU) set the ground for an education and research collaboration project between the two universities.

The following staff members are listed under AREC’s several cost centers:

AREC Administration	
Hajj-Hassan, Hussein K.	Sales Attendant/Store Keeper
Yazbeck, Bilal	Driver, Purchaser
Yazbeck, Mirna	Clerk Typist
AREC Administration	
Hajj-Hassan, Hussein K.	Sales Attendant/Store Keeper
Yazbeck, Bilal	Driver, Purchaser
Yazbeck, Mirna	Clerk Typist
AREC Physical Plant	
Ghosn, Hisham	Gateman/Watchman
Haidar, Nasser	Janitor
Hajj-Hasan, Fuad	Boiler Operator/Pipe Fitter
Hajj-Hasan, Husain Ali	Gateman/Watchman
Hajj-Hasan, Khayrieh	Maid
Hajj-Hasan, Mohammad	Gateman/Watchman
Hajj-Hasan, Shehadeh	Janitor



Kak, Mohamad	Gateman/Watchman
Mari, Ali	Gateman/Watchman
Mussawi, Kuzhayyah	Gateman/Watchman
Zein, Bassam	Mason

AREC Production

Abou-Eid, Abdallah	Field Worker
El-Ali, Ibrahim	Animal Attendant
Hajj Hassan, Ahmed K.	Animal Attendant
Hajj Hasan, Ali	Field Worker
Mousawi, Abbas	Machine Operator
Takash, Nayef	Machine Operator
Yazbeck, Hussein	Animal Attendant

AREC Cafeteria

Hamiyeh, Walid	Assistant Cook
Kayyal, Ali	Food Service Worker
Rumeh, Abdul Karim	Cook
Shukr, Khalil	Food Service worker

On March 2, AREC welcomed 27 undergraduate students to obtain hands-on experience in various sectors of agriculture and animal science.

AREC had several visitors during this period including, Dr. Peter Dorman (AUB President) and his wife, Dr. José A. Zaglul (AUB Trustee & Earth University Rector), Dr. Pedro Bidegaray and Dr. Bert Kohlmann (EARTH University – Costa Rica), Dr. Ghufra Kattach (Associate Professor at Aleppo University), Mrs. Janes Yaiden (Mercy Corps Project Manager), Dr. Kurt Steiner and Mr. Berthold Hansman from the GTZ organization, and several senior members of ACDI/VOCA and USAID.

As in every year, the sweet corn day, organized by FAFS in collaboration with its Alumni Chapter, took place on August 24. About a thousand guests participated in these festivities and enjoyed the attractions of the day.

Environment and Sustainable Development Unit (ESDU)

Prepared by: Dr. Shady Hamadeh, ESDU Coordinator

The technical team:

- Dr. Shadi Hamadeh, ESDU Coordinator
- Mr. Ziad Moussa, ESDU Officer in charge of Capacity Development and Outreach
- Dr. Salwa Tohme Tawk, ESDU Knowledge Management Officer
- Ms. Layal Danadash, Monitoring & Evaluation Officer
- Ms. Diana Abi Said, ESDU Administrative Officer
- Mr. Georges Ghosn, IT and web developer

Despite a very troubled year in the life of Lebanon and the Middle East region, ESDU continued its commitment to Research & Development. In 2007, most of the regional training activities took place outside Lebanon due to the political tensions and associated security concerns prevailing in Lebanon. Still, different projects were successfully implemented and some are still on-going.

In the second year of the urban agriculture project with the RUAF Foundation “Cities Feeding People”, seed funding was provided to start applying RUAF’s “Multi-Stakeholder Processes for Action Planning and Policy Design” (MPAP) in the two cities. Amman and Sanaa. .

Furthermore, ESDU organized the first “Outcome Mapping Users in MENA” workshop in Cairo (April 9-11) and contextualized and translated the Outcome Mapping pamphlet

As the National Training Unit host, ESDU prepared a study entitled “An Assessment of Management Training Needs of Development Projects (TNA) in Lebanon” and funded by CARDNE-IFAD.

As part of its commitment to the advancement and mainstreaming of Communication for Development (ComDev) in the MENA region, ESDU launched in partnership with FAO and a financial contribution from FAO was made available to ESDU in support of organizing a regional training workshop, and produced training material in Arabic.

E. Community Service

The FAFS and the FAFS Alumni Chapter held a symposium on December 7, 2007, on Food Safety issues in Lebanon and the M.E. region. Speakers at the opening ceremony were Dean N. Hwalla, Mr. Musa Freiji, President of the FAFS Alumni Chapter and Dr. Sami Haddad, Minister of Economy and Trade. The keynote speaker was Dr. Ewen Todd, Director of the Food Safety Policy Center at Michigan State University. Other speakers were: Drs. Nasri Kassar, Nuhad Daghir, Zeina Kassaify, Raja Tannous and Fatimah Hashem, FAO Food and Nutrition Officer for the Near East. The Symposium was followed by a Gala Dinner during which the Faculty and Alumni chapter honored eight of its distinguished alumni, namely Drs. Nuhad Daghir, Nasri Kassar, Raja Tannous, Fatme Hachem, Abbas Yaghi, Mr. Wadih Jordan, Mr. Khalil Milki and Mrs. Carla Habib Murad.



III. Departmental Reports



A. Department of Agricultural Sciences

Prepared by: Isam I. Bashour, Chairperson

Summary

During the academic period 2007-2008, AGSC aligned its performance with its set targets in teaching research and community outreach. The department offered 33 courses, 22 at the undergraduate level and 11 at the graduate one. A total of 8 students earned a Master of Science degree, 3 in Agricultural Economics, and 3 in Plant Protection and Pathology. Published research included 11 refereed articles and 11 conference papers. In addition, AGSC faculty members were well involved in the write up of technical reports, and the offering of seminars to farmers at AREC, and other regions of Lebanon.

AGSC faculty members come from different academic backgrounds; including: agronomy, horticulture, soils, water sciences, entomology, plant pathology, weed science, mechanization and agricultural economics. This variation in the scientific fields and the applied research activities has strengthened the department as a support unit to other departments at FAFS, university extension & development programs and to the farming community in Lebanon at large.

Personnel

a. Full Time Faculty

Bashour, Isam	Ph.D.	Professor of Soil Science
Abou Jawdah, Youssef	Ph.D.	Professor of Plant Pathology
Darwish, Ragy	Ph.D.	Associate Professor of Agriculture Economics
Haidar, Mostapha	Ph.D.	Professor of Weed Science
Nimah, Musa	Ph.D.	Professor of Irrigation and Water Resources Management
Saad, Adib	Ph.D.	Professor of Plant Pathology
Sidahmed, Moatasim	Ph.D.	Professor of Mechanization
Yau, Sui-Kwong	Ph.D.	Professor of Agronomy

b. Part Time Lecturer

Abou-Fakhr Hammad, Efat	Ph.D.	Entomology
Al-Khalil, Youssef	Ph.D.	Economics
Kharrat, Antoine	Ph.D.	Rural Development
Ollaik, Rami	M.S..	Beekeeping

c. Research Associates (on grants)

Moussa, Ziad	M.S..	Rural development
Nemer, Nabil	Ph.D.	Entomology

d. Senior Research Assistants

Husseini, Salma	M.S..	Greenhouse Supervisor
Sobh, Hana	M.S..	Plant Pathology

e. Departmental Research Assistant

Alameddine, Alia	M.S..	Soil Science
Hanna, Lucia	M.S..	Plant Pathology

f. Research Assistants (On grants)

Habchi Rosinne	B.S.	Agriculture
Najjar, Carole	B.S.	Agriculture
Wakim, Rita	M.S..	Soil Science

g. Visiting Scholar on Sabbatical - Institute of International Education's Scholar Rescue Fund (SRF)

Al-Zubaidi, Ahmed	Ph.D.	Soil Science
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h. Non-Academic Personnel

Abu Samra, Elias	Greenhouse Technician
Kayyal, Hatem	Agronomy Foreman
Yazbek, Ali	Assistant Agronomy Foreman



i. M.S. Students graduated during 2007/2008				
M.S. student	Thesis Title	Major	Advisor	Date of Graduation
Mirna Choueiri	Emerging Contaminants: Antibiotic Residues in Cow's Manure and Soils.	Irrigation	N. Farajalla	Summer 2007
Carine Elia	Assessing the Economic Impact of Wars on the Agricultural Sector- The Case of July 2006 War on Lebanon	Agricultural Economics	R. Darwish	Spring 2008
Mohamad Trabulsi	Impact Economic Feasibility of Water Harvesting Techniques on Western Slopes on Mount Lebanon	Agricultural Economics	R. Darwish	Spring 2008
Sami Khairalla	Impact of Water Pricing Variation on Optimal Crop-Water Productivity and Revenue Maximization: The Case of Beqaa Valley, Lebanon	Agricultural Economics	R. Darwish	Spring 2008
Karma Bouazza	Characterization and genomic variations among Verticillium populations in Lebanon	Plant Protection	A. Saad	Spring 2008
Elie Chnais	Bacterial wilts of potato in Lebanon	Plant Protection	A. Saad	Spring 2008
Charbel Abou Haidar	Biological control of soilborne pathogens on cucurbits under organic agriculture systems	Plant Protection	A. Saad	Summer 2007
Elvis Gerges	Breeding Local Tomato Landraces for Combined Resistance to Tomato Yellow Leaf Curl Virus (TYLCV) and Three Soil Borne Pathogens (Part I)	Plant Protection	Y. Abou Jawdah	Fall 2008

j. Graduate Assistants

Fall 2007 - 2008

- Carla Jamous
- Farah Baroudy
- Jad Dandache
- Kassem Jouni
- Mirna Choueiri
- Mohamad Traboulsi
- Naheda Tawm
- Rasha Mousawi
- Rasha Talhouk
- Rawad Al Rabbaa

Spring 2007 – 2008

- Carla Jamous
- Farah Baroudy
- Jad Dandache
- Kassem Jouni
- Leah Wehbeh
- Mirna Choueiri
- Rasha Mousawi
- Rawad Al Rabbaa

Summer 2007 - 2008

- Farah Baroudy
- Jad Dandache
- Rawad Al Rabbaa

Teaching

a. Number of Graduating Students by Major

	October 2007	February 2008	June 2008
BS Agriculture	1	1	12
Total UG	1	1	12
M.S. Agricultural Economics			3
M.S. Plant Protection	1	1	2
M.S. Irrigation	1		
Total Graduate	2	1	5
Total	3	3	17

b. Enrollment in Courses

Fall 2007/2008

Course	Credits	Enrollment	Instructor
AGSC 201	2	48	M. Haidar
AGSC 212	3	62	M.R. Darwish
AGSC 215	3	33	I. Bashour
AGSC 220	3	11	M. Haidar
AGSC 221	3	10	E. AbouFakhr Hamad
AGSC 232	3	11	Y. Abou Jawdah
AGSC 235	2	15	Z. Moussa
AGSC 241	3	15	Y. Khalil
AGSC 288	3	35	R. Ollaik
AGSC 290	3	20	M.R. Darwish
AGSC 301	3	36	S.K. Yau/ S. Hamadeh
AGSC 317	3	3	N. Farajallah
AGSC 323	3	4	Y. AbouJawdah
AGSC 328	3	5	M. Nimah

Spring2007/2008

Course	Credits	Enrollment	Instructor
AGSC 201	2	37	N. Farajallah
AGSC 212	3	70	M.R. Darwish
AGSC 222	1	21	S.K. Yau, M. Farran, F. Sleiman
AGSC 224	3	9	F. Gebara
AGSC 225	3	24	A. Kharrat
AGSC 227	1	23	M. Nimah
AGSC 228	3	11	M. Nimah
AGSC 231	3	7	S.K. Yau
AGSC 265	3	28	I.Bashour
AGSC 284	3	9	M. Haidar

AGSC 288	3	57	R. Ollaik
AGSC 294	3	12	E. Abou-Fakhr Hamad, A. Saad
AGSC 296	3	6	A. Saad
AGSC 301	3	33	S.K. Yau/ S. Hamadeh/ T. Haddad
AGSC 312	3	8	I. Bashour
AGSC 326	3	3	M. Nimah
AGSC 332	3	6	Y. Abou-Jawdah. Abou-Fakhr Hamad, M. Haidar
AGSC 374	3	3	M.R. Darwish

Summer 2007/2008

Course	Credits	Enrollment	Instructor
AGSC 223	3	8	F. Sleiman
AGSC 226	3	8	M. Sidahmed
AGSC 288	3	28	R. Ollaik

Research Projects

Dr. Bashour

- URB – Efficacies of Ammonia Gas, Ammonium Hydroxide and Metam Sodium as Alternatives to Methyl Bromide in the Control of Root-Knot Nematodes (5,600 USD budget).
- Training of Litani Water Authority on Analysis of Soil and Water funded by AVSI cooperation.(USD 18600 budget)

Dr. Abou-Jawdah

- URB – CYSDV:Detection and Development of resistant transgenic plants. (Budget: USD 7500)
- USAID – Subagreement with Univ. of Wisconsin, Madison
- Development of tomatoes with combined resistance to Tomato yellow leaf curl virus (TYLCV) using both virus-derived resistance and molecular marker assisted breeding (2004-2009) (Budget: USD 269,000).
- Development and Improvement of Local Seed Potato Production in the Middle East (2007-2010) (Budget: USD 190,000).

Dr. Haidar

- URB – Mapping of Invasive Weeds in the Beqa'a Plain Agroecosystem (5,700 USD budget).



Dr. Nimah

- URB – Effects of Deep Root Irrigation, and Strip Irrigation on Yield and Irrigation Efficiency (5,550 USD budget).

Dr. Yau

- URB – Effects of Rotation: Comparing Barley Performance After a Previous Crop of Safflower, Chickpea, or Barley (4,500 USD Budget).
- LNCSSR – Preliminary Evaluation of Conservation Tillage in Lebanon (4,000 USD budget).

Other Staff Activities

a. Scholars on Sabbatical

Dr. A. Al-Zubaidi was on sabbatical leave from University of Baghdad and worked on Potassium status in Lebanese soils in cooperation with Dr. Bashour. His sabbatical was renewed for an additional year until September 2008. Dr. Zubaidi in collaboration with the Dr. Talal Darwish from the National Center for Scientific Research (CNRS) conducted several field experiments on potassium in North Lebanon and an extended laboratory study on several soil profiles representing the major soils in Lebanon. Two papers on Potassium status and availability in Lebanese soils were published from his work last year.

b. Faculty on Annual Leave

Dr. M. Sidahmed. On Leave without pay for a period 12 months (September 30, 2007 till September 30, 2008). However, He came during the summer and taught the Farm Power and Machinery Course (AGSC 225) at AREC.

c. Services of Faculty Members

Dr. I. Bashour

- Chairperson of the AGSC department, (FAFS)
- Member of the Administrative committee (FAFS)
- Member of the Academic and Curriculum committee (FAFS)
- Member of the Academic Development Committee (AUB)
- Member of the University Reaccreditation Committee (AUB)
- Safety Officer (FAFS)
- Representative for ASHA (FAFS)
- Supervising Soil & Plant tissue Analyses at AGSC – FAFS laboratories.
- Two-months Training Session for Four Laboratory Technicians from The Litany River Authority on Soil and Water analyses; it was funded by AVSI.

Dr. M. Nimah

- Lebanese Order of Engineers.
Member of the Committee on Water and Dams.
- Member of the Senate Committee (AUB)
- Member of the Senate Faculty Affairs Committee (AUB)
- Member of the Unified Admissions Committee (AUB)
- Member of the University Admissions Committee (AUB)
- Member of the FAFS Graduate Studies Committee
- Member of the AREC ad-hoc committee (FAFS)
- Participated in the Two-months training session for four laboratory technicians from the Litany River Authority on soil and water analyses; it was funded by AVSI.

Dr. Y. Abou-Jawdah

- Member of the Advisory Committee (FAFS)
- Member of the Research Committee (FAFS)
- Member of the University Publication Committee (AUB)
- Member of the Pesticide committee, Ministry of Agriculture
- Participated in 23 workshops/seminars on IPM

Dr. M. Haidar

- Prepared and designed a Scholarship draft for Agriculture students (end of 2007)
- Prepared SAC annual report
- Member in ACC and Admission Committee (FAFS)

Dr. A. Saad

- Member of the University Reaccreditation Committee for Faculty Affairs (FAFS)
- Member of the FAFS Agribusiness Program Committee (FAFS)
- Consultation as National Expert on IPM of Strawberry Cultures in Lebanon to MoE/UNIDO Project.

Dr. S.K. Yau

- Chairman of the Library Committee (FAFS)
- AREC Academic Coordinator (FAFS)
- Member of the AREC Ad Hoc Committee (FAFS)

- Curator of the AREC Seed Bank (FAFS)
- Elected Member of the University Library Committee
- Associate Editor of Crop Science, the official journal of the Crop Science Society of America, since Jan 1, 2008
- Board member of the International Crop Science Society
- Member of the Editorial Board of The Open Agriculture Journal since Dec 2007
- Associate Editor of the new on-line international journal 'Communications in Biometry and Crop Science'
- Reviewed 5 manuscripts for other international journals (one manuscript each for Aust. J. Agric. Res., Agron. J., J. Agron. Crop Sci., Plant & Soil, and Field Crops Res.)
- Gave advice to two researchers from NGOs (Marwan Akkary of AVSI and Fabio of GVC) on safflower production in South Lebanon. Provided GVC 50 kg of safflower seed for Aitayoun farmers to plant 20 durums of safflower.
- Prepared the schedule of a project on advising farmers in Majayoun on how to grow safflower for AVSI, a NGO.
- Reviewed for the Lebanese National Council of Scientific Research a project proposal entitled 'Mutation Induction and Biotechnology for Improving Wheat and Potato Productivity'.

d. Soil and Water Analyses

The AGSC Department offers soil, water, plant tissue, and fertilizer analysis services to the Lebanese farmers and the private sector in Lebanon and neighboring countries. Chemical and physical analyses were carried out at the AGSC laboratories by the departmental research assistant Alia Alameddine and interpretation of the results and recommendations were given by Dr. Isam Bashour.

The revenue obtained from this activity exceeded 8,000,000 L.L. In addition, many samples were received from AREC, other departments at FAFS/AUB and graduate students. These samples were analyzed for free.

Publications

a. Publications in Internationally Refereed Journals

- Sweiss M., Anfoka G., and Abou-Jawdah Y. 2007. Molecular characterization of Jordanian isolates of Cucurbit yellow stunting disorder virus. J. Phytopathology 155: 557-562.
- Darwish M. R., M. Sharara, M. Sidahmed and M. Haidar. 2007. "The Impact of a Storage Facility on Optimality Conditions of Wastewater Reuse in Land Application: A Case Study in Lebanon". Journal of Resources, Conservation and Recycling. Elsevier 51: 175-189.

b. Publications in Local and Regional Journals

- Al-Zubeidi A., Yanni S., and Bashour I. (2007). Potassium Status in Some Lebanese Soils. Lebanese Science Journal Vol 9 - No1: 81-97.
- Al Mokdad G.; M. Said Al-Shater and I. Bashour. (2007). Determination of Rainfall Characteristics by using rainfall simulator. Damascus University Journal, Volume 23 -No.1-2007. pp. 333-354
- Al Mokdad G.; M. Said Al-Shater and I. Bashour. (2007). Effect of Polyacrylamide on Guysiferous Crust Strength and Seedling Emergence. Damascus University Journal, Volume 21-No.2-2007. pp 281-298.

c. Publications in Proceedings

- Abou-Jawdah Y., Atamian H., Dagher R., Gerges E., Sobh H. and Talhouk R. 2007. Breeding for Lebanese type of tomato with combined resistance to Tomato yellow leaf curl virus, Fusarium and Verticillium wilts using marker assisted selection tools. Program and abstract book, Second international symposium on tomato diseases, page 51.
- Sobh H., Atamian H. and Abou-Jawdah Y. 2007. Preliminary results on development of transgenic tomato plants tolerant to Tomato yellow leaf curl virus. Program and abstract book, Second International Symposium on Tomato Diseases, Turkey, page 108.
- Bashour, I. (2007). Micronutrient Supply and Availability to Food Crops grown in Soils of the Near East. Proceedings of Expert Consultation on micronutrient Deficiencies: Can Agriculture meet the Challenge, December 11 - 13, 2007, Cairo.
- Nimah M.N. and Moukarzel S. (2007). Water Productivity: A new concept to improve irrigation water use efficiency. ASABE Annual Meeting. Paper Number: 072246
- Abou-Jawdah Y., Eid S. G., Atamian H. S., and Havey M. 2008. Assessing the movement of Cucurbit yellow stunting disorder virus in susceptible and tolerant cucumber germplasms using serological and nucleic acid-based methods. J. of Phytopathology (in press).
- Abdo, C., Nemer, N., Nemer, G., Abou-Jawdah, Y., Atamian, H., and Kawar, N. 2008. Isolation of Beauveria species from Lebanon and evaluation of its efficacy for biocontrol of the cedar web-spinning sawfly, Cephalcia tannourinensis. BioControl 53: 341-352.
- Mohtar C., Atamian H., Dagher R., Abou-Jawdah Y., Salus M., and Maxwell D. 2007. Marker assisted selection of tomato genotypes with I2 gene of resistance to Fusarium oxysporum f. sp. lycopersici. Plant Disease 91: 758-762.
- Al-Zubaidi A., S. Yanni, and I. Bashour. (2008). Evaluations of Potassium Availability in Selected Soils from Lebanon. International Phosphate and Potash Institution, Bern, Switzerland .pp 15-19.



- M. A. Haidar. 2008. Orobanche and its management in Lebanon. In Progress on farmer training in parasitic weed management. Editor R. Labrada. Pp 51-55. FAO
- Nimah, M.N. 2007. Cucumber yield under deficit Irrigation and mulching treatments. ACTA Horticulturae # 731: 189-195
- Abourached, C.G., S.K. Yau, M.N. Nimah, I.I. Bashour. 2008. Deficit irrigation and split nitrogen fertilization on wheat and barley yields in a semi-arid, cool Mediterranean area. Open Agric. J. 2: 28-34.
- Yau, S.K. and Ryan, J. (2008) Boron Toxicity Tolerance in Crops: A Viable Alternative to Soil Amelioration. Crop Science 48: 854-865.
- Yau, S.K. and Haidar, M. 2008. Evaluation of weed management practices for rain-fed safflower production in a semi-arid Mediterranean environment. Agronomy Journal (in press)

d. Abstracts and Papers Presented in Scientific Meetings

- Bashour, I. (2007). Micronutrient Supply and Availability to Food Crops grown in Soils of the Near East. Proceedings of Expert Consultation on micronutrient Deficiencies: Can Agriculture meet the Challenge, December 11 – 13, 2007, Cairo.
- A. Alameddine, I. Bashour, A. Saad, M. Nimah and M. Sidahmed (2007). Effect of Ammonium Hydroxide and Hydrogen Peroxide on Soil Borne Diseases: Root Knot Nematodes, Fusarium and Verticillium Wilts. Poster presentation, Pittcon – Chicago.
- Abou-Jawdah Y., Atamian H., Dagher R., Gerges E., Sobh H. and Talhouk R. 2007. Breeding for Lebanese type of tomato with combined resistance to Tomato yellow leaf curl virus, Fusarium and Verticillium wilts using marker assisted selection tools. Program and abstract book, Second international symposium on tomato diseases, page 51.
- Sobh H., Atamian H. and Abou-Jawdah Y. 2007. Preliminary results on development of transgenic tomato plants tolerant to tomato yellow leaf curl virus. Program and abstract book, Second International Symposium on Tomato Diseases, Turkey, page 108.
- Farran, M. T., Usayran, N., Barbour, G.W., Nehme, G.A., Dagher, N.J., and Yau, S.K. (2008). Energy and protein efficiency of different de-hulled safflower meals. Presented in the First Mediterranean Summit of WPSA, May 7-10, 2008, Khalkidiki, Greece.
- Yau, S.K. (2008) Tillage and crop rotation – differential effects on barley and chickpea. To be presented in the 5th International Crop Science Congress, April 13-18, 2008, Jeju, South Korea.
- Yau, S.K. and Ryan, J. (2007) Legumes and safflower in rotation with barley can replace barley monoculture in Lebanon. In Abstracts (CD format) of the International Annual Meeting of the American Society of Agronomy, Crop

Science Society of America, and Soil Science Society of America, November 3-8, 2007, New Orleans, USA.

- Ryan, J., Pala, M., Mrabet, R., and Yau, S.K. (2007) Long-term crop rotation trials in the Mediterranean region: Synthesis and future implications. In Abstracts (CD format) of the International Annual Meeting of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, November 3-8, 2007, New Orleans, USA.

e. Books and Chapters in Books

- Bashour, I. (2008). Use of Fertilizers and Pesticides and their Effect on Food Safety. Chapter 10 in Near East Environment and Food Safety accepted to be presented at the Arab Forum for Environment and Development (AFED) Manama, October 26-28.
- M. A. Haidar. 2008. Orobanche and its management in Lebanon. In Progress on farmer training in parasitic weed management. Editor R. Labrada. Pp 51-55. FAO
- Nimah, M. (2008). Water Resources and Water Quality. Chapter 5 in Near East Environment and Food Safety accepted to be presented at the Arab Forum for Environment and Development (AFED) Manama, October 26-27.
- Reports and Extension Papers
- Y. Abou-Jawdah, H. Sobh, H. Atamian, R. Dagher, E. Gerges, R. Talhouk Lebanon PROGRESS REPORT on Development of tomatoes with combined resistance to Tomato yellow leaf curl virus (TYLCV) using both virus derived resistance and molecular assisted breeding. November, 2007
- Y. Abou-Jawdah. Second International Symposium on Tomato Diseases. Kusadasi, Turkey, October 8-12, 2007.
- Y. Abou-Jawdah. Meeting on tomato breeding for resistance to Tomato yellow leaf curl virus, organized by USAID, Morocco, and November 11-17, 2007.
- Bashour I. and Wakim R. (2007). Micronutrient Supply and Availability to Food Crops grown in Soils of the Near East.
- Nimah M.N. and Jamous C.A. Master Plan for the availability of water resources for irrigation management at AREC (submitted).
- Nimah M.N. Sprinkler Irrigation & Drip Irrigation: Operation and Maintenance (November 2007).
- Nimah M.N. Green War? Conference on environmental conflict and cooperation in the MENA region. HEINRICH BOLE foundation. Gefinor Rotana Hotel, Beirut, Lebanon. (November 2-3, 2007).



Future Development

The department is planning to establish an irrigation and soil center at AREC to be used for teaching, research and training on modern irrigation equipment and efficient water use.

A full-time Faculty position in Horticulture at the level of Assistant Professor or above is to be announced. AGSC also needs to open a vacancy for a permanent research assistant to operate and be responsible for equipment at AGSC labs. The AGSC has advanced equipment such as microwave digester, flame photometer, spectrophotometer, Kjeldahl unit, and atomic absorption spectrophotometer. The department is facing difficulties due to the lack of regular maintenance, and it is recommended that a maintenance contract be signed with the companies' representatives in Lebanon or with the Medical Engineering for this purpose. AGSC also needs to add to the faculty members a soil microbiologist to complete the existing activities of the department and participate in environmental research activities at AUB.

B. Department of Animal Sciences

Prepared by: Elie K. Barbour, Chairperson

Summary

The new name for the Department of Animal Sciences is approved, and it is officially designated as The Department of Animal and Veterinary Sciences effective October 2008. The Veterinary Science Program was officially registered in the Lebanese Ministry of Education and Higher Education. In addition, the process of syllabi preparation and approval for the new courses in the Veterinary Sciences program was initiated.

A complete departmental review file was prepared, covering the current and projected activities, for assessment by the Board of Trustees.

During the academic year of 2007-2008, the Department offered 10 core courses, 7 electives and 7 graduate courses. The Department was also active in research sponsored by internal and external funding. The total of Research publications reached 6 published papers, 2 abstracts, 2 proceedings and 2 books.

Personnel

1. Faculty members

Barbour, Elie	PhD	Chairman, Professor of Veterinary Microbiology
Farran, Mohamed	PhD	Professor of Poultry Science
Hamadeh, Shady	PhD	Professor of Animal Physiology
Sleiman, Fawwak	PhD	Professor of Dairy Science.

2. Research Assistants /Associates

Jaber, Lina	M.S.	Senior Research Assistant
Shaib, Hussam	M.S.	Research Assistant
Rawda, Nadim	M.S.	Research Assistant, on grant

3. Graduate Assistants

Mastori, Fouad (3 semesters)
Chedid, Mabelle (2 semesters)
Yaghi, Ryan (2 semesters)
Kaadi, Marc (1 semester)
Karnib, Mona (1 semester)

4. Non-Academic Staff

Nesta Sagherian	Senior Technician
Mohammad Harb	Animal Attendant
Mohammad Zreik	Poultry Attendant
Shady Safar	Livestock and Poultry Production Supervisor

Teaching

Number of graduating students

	Feb. 2007	June 2008	Oct. 2008
M.S. Animal Science			
M.S. Poultry Science		1	1
Total	0	1	1

Number of enrolled graduate students

	Feb.2007	June 2008	Oct. 2008
M.S. Animal Science	1	1	1
M.S. Poultry Science	3	3	2
Total	4	4	3

Student Enrollment in Courses

Fall 2007/2008

Course	Credits	Enrollment	Instructor
ANSC 241	3	6	F.T. Sleiman
ANSC 243	3	9	S. Hamadeh
ANSC 271	3	9	M.T. Farran/ F.T. Sleiman
ANSC 275	3	13	E. Barbour
ANSC 278	3	6	F.T. Sleiman
ANSC 300B	2	4	S. Hamadeh
ANSC 304	3	3	E. Barbour
ANSC 334	3	3	M.T. Farran
ANSC 395	1	4	S.K Yau

Spring 2007/2008

Course	Credits	Enrollment	Instructor
ANSC 222	3	7	F.T. Sleiman
ANSC 224	3	17	E. Barbour
ANSC 242	3	14	S. Hamadeh
ANSC 278	3	9	F.T. Sleiman
ANSC 281	3	9	M.T. Farran
ANSC 299	2	1	M.T. Farran
ANSC 305	3	3	E. Barbour
ANSC 307	3	3	M.T. Farran
ANSC 399	9	1	E. Barbour

Summer 2007/2008

Course	Credits	Enrollment	Instructor
ANSC 279	3	20	E. Barbour
ANSC 280	3	21	E. Barbour
ANSC 226	3	8	M.T. Farran
ANSC 399	9	3	E. Barbour , S. Hamadeh

Research Projects

Elie Barbour

Impact of Nutrient synergy on prevention of E. coli induced pathology in chicken (In Progress). Funding Agency: URB. (\$4,500)

Mohamed Farran

Supporting small goat farmers in south Lebanon through upgrading their herd's genetic base (In Progress). Funding Agency: Task Force for Reconstruction and Community Service (AUB). (\$5,000)

Shadi Hamadeh

- RUAF-Cities Farming for the Future. Funding Agency: RUAF-IDRC (\$166,686)
- Communication for Development: Regional Capacity Building (Phase II). Funding Agency: FAO (\$43,579)
- Response to Aspirin administration in water and feed restricted Awassi ewes. Funding Agency: AUB-URB (\$7,100)
- Fat mobilization and some hormonal changes in dry Awassi ewes in response to water stress and vitamin C supplementation (renewal). Funding Agency: LNCSR (\$7,500)

Other Staff Activities

1. Thesis supervision/Master Project

Elie Barbour

- Marc Kaadi: Rabbit hemorrhagic disease and poultry colibacillosis studies in Lebanon. Completed in June 2008

2. Services

Elie Barbour

AUB:

- Member of the executive Committee of IBSAR
- Chairman of the Animal Science dept.
- Member of the Academic Curriculum committee
- Member of the DPM Committee, representing FAFS in monitoring promotion files of candidates in different faculties of AUB
- Member of the Admissions Committee
- Member of the Administrative Committee
- Coordinator of AUB-LaSalle University Memorandum of understanding



Other:

- Services to 120 organic poultry 15 goat farms in Jezzine area
- Editorial Scientific Board for 2 international journals: Veterinaria Italiana; World Organization for Animal Health Journal

Mohamed Farran

AUB:

- Member on FAFS Graduate Study Committee

Other:

- Member of Board of Administration, Lebanese National Council for Scientific Research, October 14, 2003 to date.
- Member of the Scientific Advisory Committee, CIHEAM
- National Project Director on the “Special Fund for Emergency and Rehabilitation Activities” (SFERA), Joint project between the Ministry of Agriculture (MOA) and FAO Till December 31, 07
- Vice President for World Poultry Science Association, Lebanese Branch
- Advisor to the Minister of Agriculture, August 1, 2007 to July 11, 2008
- Member of the National Committee to suggest comprehensive solutions to the cultivation of illicit crops in the Bekaa
- Contributed, through the MOA, to the preparation of a research trial on the adaptation and productivity of several varieties of industrial hemp in Lebanon

Shadi Hamadeh

AUB:

- Member of the University Committee on Teaching Excellence
- Member of the Ad hoc AREC Committee
- Member of the Advisory Committee
- Coordinator of the Environment and Sustainable Development Unit (ESDU)
- Coordinator of the National Training Unit under the NEMTA project supported by IFAD.

Other:

- Member of the Board of directors of the National Accreditation Council of Lebanon.
- Executive Board member RUAF.
- Senior advisor to the ASAIL project

Fawwak Sleiman

AUB:

- Member of the University Disciplinary Committee
- Member of the University Senate
- Member of the Graduate Studies Committee
- Chairperson of the AREC Committee

3. Conferences and Travel

Elie Barbour

- Training of Kuwaiti farm Industry Specialists on the subject of: “Viral Diseases and Biosecurity in poultry with focus on Avian Influenza update in research”, KISR, Safat. Nov. 23-29, 2007.
- Coordinator between Szent Istvan University (SIU), School of Veterinary Science, and the Animal Science Department for developing the new program of BS in Veterinary Science, effective Fall, 2007. Visit to SIU Dec. 1-5, 2007.
- Invited speaker in the Symposium represented by 19 European, African and Middle Eastern countries on: “Holistic approaches to control Avian Influenza and other economic diseases in poultry”, Turkey, May1-4 2008.
- The 2008 American Veterinary Medical Association Conference, Louisiana, USA, July 20-23, 2008.

Mohamed Farran

- Attended several Board of Administration meetings (LNCSR). Different dates.
- Attended several meetings on prevention of avian influenza and other epizootic diseases with staff from FAO and MOA. Different dates.
- Attended the annual meeting of European Industrial Hemp Association in Hurth, Germany November 19-21, 2007
- Organized and held the final workshop of the SFERA project on avian flu, Order of Engineers, Beirut December 28, 2007.

Shady Hamadeh

- Training workshops for small ruminant production farmers in Lebanon. Different dates.
- Presented a paper: “Adaptation strategies of small ruminants production systems to environmental constraints of Semi-Arid areas of Lebanon”, at the 8th European IFSA Symposium Clermont Ferrand (France) 6-10 July 2008.



Publications

Elie Barbour

- Ghanem, A.M. Jaber, L.S., Abi Said, M.A, Barbour, E.K., Hamadeh, S.* 2008. Physiological and chemical responses in water-deprived Awassi ewes treated with Vitamin C. *Journal of Arid Environments*, 72(3):141-149. *Corresponding author
- Barbour, E.K.*, Jaber, L.S., and Farran, M.T. 2007. Thermo-stabilizers in poultry live vaccines. *World Poultry* 23 (8): 43-44. *Corresponding author
- Talhouk, R.S.*, Karam, C., Fostok, S., El-Jouni, W., and Barbour E.K. 2007. Anti-inflammatory bioactivities in plant extracts. *Journal of Medicinal food*. 10(1):1-10. *Corresponding author
- Kassaify, Z. G., El Hakim, R. G., Rayya, E. G., Shaib, H. A. and Barbour, E. K.* Efficacy and safety of eight individual and blended disinfectants against poultry and dairy indicator organisms. *Veterinaria Italiana*, 43(4):821-830. *Corresponding author
- Barbour, Elie K.*, Alia H Sabra, Hussam A Shaib, Alexander M Berckley; Nadim S Farajalla, Rami A Zurayk, Zeina G Kassaify. 2008. Baseline data of Polycyclic Aromatic Hydrocarbons correlation to Size of Marine Organisms Harvested from a War-Induced Oil Spill Zone of the Eastern Mediterranean Sea, *Marine Pollution Bulletin*, 56: 770-777. *Corresponding author

Books (Chapters in books)

- Barbour, E.K., Al Nasser, A. and Al Khamis, M. 2007. National Eradication Protocols Following the Confirmation of the Presence of Highly Pathogenic Avian Influenza Virus (H5N1). A cooperative book wrote between AUB, Lebanon and Kuwait Institute for Scientific Research, State of Kuwait, in Press.
- Published a training course book for Middle Eastern countries entitled: "Common Viral Diseases of Poultry", by Elie K. Barbour, A. Al-Nasser and S. Al-Mouqati, 2007, pp. 1-197.

Editing & reviewing

- Title: "Animal Vaccination, Part 1: development, production, and use of vaccines", April 2007, Office International Des Epizooties, World Organization for Animal Health, Paris, France, pp. 1-291.
- Plurithematic issue of the Scientific and Technical review, December 2007, World Organization for Animal Health, France, Pages 531-766
- *Veterinaria Italiana*, Vol. 43 (1,2,3,4), pp 1-187, 193-364,371-776,783-859 2007

Shady Hamadeh

- Ghanem A.M., Jaber L.S., Abi Said, M., Barbour E.K. and Hamadeh, S.K.* 2008. Physiological and chemical responses in water-deprived Awassi ewes treated with Vitamin C. *Journal of Arid Environments*, 72(3):141-149. *Corresponding author

Mohamed Farran

Full-length articles

- Barbour, G. W.*, M. T. Farran, N. Usayran, and N. J. Daghir, 2008. Review of the poultry production and the physical and chemical characteristics of corn and soybean meal in major poultry feed operations in Lebanon, *World Poultry Science Journal* 64: 177 – 185. *Corresponding author

Abstracts

- N. J. Daghir, M. T. Farran, H. A. Al-Sakka, N. Usayran, and G. W. Barbour, 2008. Effect of supplementing laying hen diets with three plant oils on performance and yolk fatty acid profile. XXIII Worlds Poultry Congress, Australia. WPS journal, Book of Abstracts. 64 (supplement 2) P 407.(Abstract)
- Farran, M. T., N. Usayran, G. W. Barbour, G. A. Nehme, N. J. Daghir, and S. K. Yau, 2008. Energy and protein efficiency of different de-hulled safflower meals. First Mediterranean Summit of WPSA, Greece. (Abstract)

Proceedings

- Farran, M. T., N. Usayran, G. W. Barbour, G. A. Nehme, N. J. Daghir, and S. K. Yau, 2008. Energy and protein efficiency of different de-hulled safflower meals. Proceeding of the First Mediterranean Summit of WPSA pp 307 – 311.
- N. J. Daghir, M. T. Farran, H. A. Al-Sakka, N. Usayran, and G. W. Barbour, 2008. Effect of supplementing laying hen diets with three plant oils on performance and yolk fatty acid profile. Proceeding of the XXIII Worlds Poultry Congress, Australia.P. 4.

Others

- Contributed, as a member of the National Committee on Illicit Crops in Bekaa, to the write up of the final report that was submitted by the Secretary General of LNCSR to the Prime Minister's office.
- Contributed, as a National Project Director, to the finalization of the following two documents:
 - Preparedness Plan for Early Detection and Prevention of Notifiable Avian Influenza in Lebanon.
 - Practical Guide to Deal with the Notifiable Avian Influenza Virus



Future Development

The Department will be preparing for the new Veterinary Science Courses, that will be offered as of Fall 2008. In addition, the recruitment process of new part-time Faculty for the Veterinary Science Program will be initiated. Departmental capacities and infrastructure will be developed towards the establishment of a Center for Food Safety and Zoonotic Diseases

C. Department of Landscape Design & Ecosystem Management

Prepared by: S. Talhouk, Chairperson

Summary

The Department of Landscape Design and Ecosystem Management was established at FAFS in September 2007 and currently houses two recent programs pioneered by the Faculty of Agricultural and Food Sciences, the Interfaculty Graduate MS in Ecosystem Management (ECOM) and the BS Landscape Design and Eco-Management (LDEM). The programs adopt an integrative framework in design and management that prioritizes equally on natural and cultural resources through inter-faculty and inter-disciplinary academic activities. The newly established department supports FAFS's long term vision of sustainable management of land, environmental and human resources.

Faculty members of the LDEM Department have different academic backgrounds and are specialized in various disciplines, including: Soil sciences, environmental sciences, landscape architecture, landscape design and landscape horticulture.

Personnel

1. Academic

Zurayk, Rami	Ph.D, Professor of Plant Sciences (Soil-Plant Relations); Chairperson until September 2008, and Director of the Interfaculty Graduate Environmental Sciences Program (IGESP)
Talhouk, Salma	Ph.D, Professor of Horticulture (Landscape Horticulture); Chairperson as of September 2008 and Director of IBSAR
Makhzoumi, Jala	Ph.D, Associate Professor of Landscape Design (Landscape Architecture)
Farajalla, Nadim	Ph.D, Assistant Professor of Environmental Engineering (Environmental Hydrology)
Husain, Sayed Ali	Ph.D, Assistant Professor of Landscape Design (Landscape Studies)
Weltzien, Julie	M.A., Assistant Professor of Landscape Design (Landscape Architecture)
Battikha, George	M.S., Lecturer, Landscape Horticulture (part-time)
Aboulhosn, Hiba	Masters in Visual Communication – Animation, Part-time instructor (Spring 07-08)
Chnaitelly, Hala	M.S., Plant Sciences, Part-time instructor (Fall & Spring 07-08)
Shibli, Rabiha	M.S., Urban Design, Part-time instructor (Fall & Spring 07-08)
El Kosseifi, Gressy	DES in Architecture, Part-time instructor (Spring 07-08)
Fabian, Monika	Horticulture Engineer, Part-time instructor (Spring 07-08)
Issa, Maha	(Degree of Architecture (DPLC), Part-time instructor (Fall & Spring 07-08)
Melhem, Wissam	M.A. Landscape urbanism, Part-time instructor (Summer 07-08)
Nasrallah, Maha	B.Arch, Part-time instructor (Fall 07-08)
Jaroush, Najah	B.S. Agricultural Sciences, Part-time instructor (Spring 07-08)
Markarian, Gamar	B.S. LDEM, Part-time instructor (Fall & Spring 07-08)
Nakhal, Jana	B.S., LDEM, Part-time instructor (Fall 07-08)
Shararah, Massa	B.S. LDEM, Part-time instructor (Fall 07-08)



2. Research Assistants

- Modad, Nadine, M.S.. Ecosystem Management, full-time (Departmental)
- Amro, Eman, B.A, part-time*
- Demloj, Rania, B.S., part-time*
- Ghanawi, Joly, B.S., part-time*
- Khayyat, Munira, B.A, part-time*

* On grants

3. Graduate Assistants

Fall 2007/2008

	Graduate Assistant	Major
1.	Karen El Daher	ECOM

Spring 2007/2008

	Graduate Assistant	Major
1.	Karen El Daher	ECOM
2.	Jana Nakhal	Urban Design (FEA)
3.	Massa Shararah	Urban Design (FEA)

Summer 2007/2008

	Graduate Assistant	Major
1.	Rouba Ziade	ECOM

4. Visiting Scholars

- Ms. Maria Ippolita Nicotera, founder of Studio.eu, Berlin. Teaches Landscape Architecture at the University of Bremen/Germany. Visit duration: October 3-29, 2007. During her stay, Ms. Nicotera was involved in co-teaching the course "Ecological Landscape Design I (LDEM 204)" and also regularly assisted in the "Final Year Project Studio (LDEM 241)" and occasionally in the "Second Year Jury-Design II (LDEM 216)". In addition, Ms. Nicotera gave a public lecture on October 23, 2007 entitled: "Potentials of Landscape".
- Prof. Larry Harder, Associate Professor of Landscape Architecture, University of Guelph, Canada. Visit duration: Dec 05-Dec 08, 2007. Prof. Harder gave a public lecture at FAFS on December 06, 2007 entitled: "Conflicting Landscape Narratives in Palestine". He also visited all the Landscape Design classes and discussed the students' projects with them and participated in a jury for the LDEM 204 class (Ecological Landscape Design I) with Dr. Ali Husain.

- Prof. Niall Kirkwood, Professor of Landscape Architecture and Technology and Chair of the Graduate School of Design (GSD), Harvard University, USA. Visit as a URB visiting scholar was approved and scheduled from May 12-15, 2008, but trip was cancelled due to several circumstances.

5. Faculty Promotions and Appointments:

- Dr. Farajalla was promoted to Associate Professor (effective October 2008).
- Dr. Makhzoumi submitted her file to be evaluated for promotion (August 2008).
- Dr. Jala Makhzoumi was also on leave without pay during the first semester 2007/2008.
- Dr. Rami Zurayk was appointed Associate Dean (effective September 1, 2008).
- The Department advertised the faculty position in Landscape Design at the level of Assistant Professor or above.

Teaching

The Department offers one undergraduate major which leads to a B.S degree in Landscape Design and Eco-Management with a Diploma of Ingenieur Agricole. The Department also offers one interfaculty graduate major which leads to an M.S degree in Ecosystem Management.

1. Number of Graduating Students by Major (B.S., M.S.)

	B.S (LDEM)	M.S (ECOM)
October 2007	0	3
June 2008	17	1
Total	17	4

2. Number of Students by Major (Graduates, Seniors, Juniors and Sophomores)

Major	Year (academic standing)	No. of students enrolled
B.S LDEM	LDEM I	50
	LDEM II	25
	LDEM III	19
	LDEM IV	20
Total		114
M.S ECOM		3
Grand Total		117

3. Student Enrollment in Courses

Fall 2007/2008

Course	Credits	Enrollment	Instructor(s)
LDEM 203	3	20	S. Hamadeh/ R. Zurayk
LDEM 204	6	19	S. Husain/ G. Battikha/ R. Shibli/ J. Nakhal
LDEM 209	4	36	S. Talhouk
LDEM 215	3	21	E. Abou Fakhr/ M. Haidar/ A. Saad
LDEM 216	6	22	M. Nasrallah/ H. Chmaitelly / M. Charara
LDEM 241	6	17	J.M. Weltzien/ M. Issa/ G. Markarian
LDEM 245	3	17	M. Nimeh
LDEM 295	1	16	G. Battikha

Spring 2007/2008

Course	Credits	Enrollment	Instructor(s)
LDEM 201	3	46	S. Husain
LDEM 202	6	30	J. Makhzoumi (P)/ G. El Kossaify/ H. Aboulhosn
LDEM 211	3	30	S. Talhouk/ M. Fabian
LDEM 212	3	18	G. Battikha
LDEM 227	3	16	E. Abou Fakhr/ M. Haidar/ A. Saad/ L. Hanna
LDEM 228	6	21	S. Husain (P)/ G. Markarian
LDEM 229	3	23	M. Haidar (P)/ J. Abdouni
LDEM 230	3	24	N. Farajalla
LDEM 242	6	18	J. Weltzien (P)/M. Issa
LDEM 246	6	22	R. Shibli/ H. Chmaitelly
LDEM 261	3	16	J. Weltzien
LDEM 296	1	16	R. Zurayk
LDEM 630	3	10	R. Zurayk

Summer 2007/2008

Course	Credits	Enrollment	Instructor(s)
LDEM 200	4	20	W. Melhem
LDEM 250	3	26	W. Melhem/ M. Charara

4. Number of Credit Hours Offered by the Department

	No. of credits offered		Total credits
	Undergraduate	Graduate	
Fall	32	0	32
Spring	46	3	49
Summer	7	0	7

Research Projects

1. Internal Grants

Dr. N. Farajalla

- URB – Grant for a year to study emerging contaminants in manure, water, and soil from dairy and poultry operations. Grant Value: \$6000

Dr. S. Talhouk

- IBSAR – Seeds of Hope, trees for tomorrow. Participatory ex situ conservation of native trees and shrubs. Amount of funds raised to date 42,000 USD. Duration 2007-2010 (Status: Project Manager).

2. External Grants

Dr. N. Farajalla

- Grant from the Dutch Government to study the groundwater flow regime and water quality in the Kesrwan region and to develop a pilot scale groundwater monitoring plan for the region. Grant Value: €25,000

Dr. J. Makhzoumi

- DCR – “Good Governance for Enhanced Post-War Reconstruction: An integrated Approach to Respond to Shelter Recovery in Southern Lebanon”: Monitoring, Evaluation, Institutionalization & Sustainability. UN-HABITAT, Lebanon. Value: US\$ 63,000. Duration: Sept 2007-Sept 2009 (Status: Project Principal Investigator).

Dr. R. Zurayk

- Global Environment Outlook (GEO 4). Participation in the drafting of the GEO 4. Granting agency: United Nations Environment Program. Value: USD 5,000. Duration: 2005-2007 (Status: Project Manager).
- Study for the Inventory of Traditional Bread Wheat Varieties of Lebanon. Granting agency: UCODEP. Value: 6,000 EUR. Duration: May 1, 2008-May 1, 2009. Status: Project Coordinator.



Other Staff Activities

1. Student Supervision & Activities:

- Preparation of first Landscape Design Yearbook and exhibition, displaying chosen results from all years of design studios. Coordinator: J. Weltzien (publication: June 2008).
- Preparation of a plot called Biodiversity, take away garden, in the annual Beirut Garden Show (May 27 -31, 2008) with a group of volunteering students, in collaboration with IBSAR (Coordinator: J. Weltzien).
- Participation in Exchange Program with EARTH University, Costa Rica (January 2008) and preparation of possible student exchange programs and projects between AUB and EARTH (J. Weltzien/M. Markarian; Project Coordinator: S.Talhok)
- Preparation of possible student exchange program in Design with Hochschule Bremen/Germany for Fall 2008 (Coordinator: J. Weltzien).
- Preparation for UNESCO workshop_atelier Shanghai/China, taking place in Fall 2008 (Coordinator: J. Weltzien).
- Dr. S. Talhouk organized two plant sale activities at the greenhouse area (LDEM 211 "Landscape Horticulture I" - 30 landscape students).
- Dr. Talhouk organized a native tree launch workshop at AREC (35 students from different academic programs).
- UNESCO collaboration and student workshops –South Korea (Fall 2007) (Coordinators: J. Weltzien/M. Nasrallah).
- Neighborhood Initiative AUB, exhibition of student work (Coordinator: J. Weltzien).
- Food and Landscape projects by students of "The Environment & Sustainable Development" course (Fall 2007) (Coordinator: Dr. R. Zurayk).
- Body_Space_Encounters, open air performance on AUB campus by students from LDEM 261, Spatial Structures and Movement (J. Weltzien).
- AREC Logo competition for AUB design graduates to promote visibility of AREC produce (J. Weltzien)

2. Services on Committees:

Dr. N. Farajalla

- AUB Faculty coordinator for the Research and Policy Forum on Climate Change and Environment in the Arab World. It is an initiative launched by The Issam Fares Institute for Public Policy and International Affairs at AUB (2008).
- Represented AUB in developing a consortium among AUB, UC-Davis, LAU, AUC, and Bir Zeit University 2006/2007.

- Represented AUB in developing collaborative water research projects with Cornell University 2007.
- AUB's Web-Oversight Committee (2002 – present)
- Member of committee for the development of an interfaculty water resources studies program (2003 – present)
- FAFS faculty representative/coordinator of FAFS-SRC elections (2003 – present)
- Member of the FAFS Academic and Curriculum Committee (2003 – present)
- Member of the University Students-Faculty Committee (2005 – present)
- Member of the Scientific Committee for WatMed 4 The 4th International Conference on Water Resources in the Mediterranean Basin organized by the Algerian Laboratoire de Recherches Sciences de l'Eau (LRS-Eau)/École Nationale Polytechnique (ENP), Algiers, Algeria March 22 – 24, 2008.

Dr. J. Makhzoumi

- Member of the Task Force on Tenure

Dr. S. Talhouk

- Director of IBSAR (Initiative for Biodiversity Studies in Arid Regions), 2003-present
- Member of FAFS Advisory Committee
- Faculty Score Card Coordinator
- FAFS representative member of the University Learning Outcome Coordination Committee
- Member of the Task Force on Tenure
- Member of the Task Force for Reconstruction and Community Service
- Member of the Campus Planning Committee
- Member of the LDEM ad hoc Committee

J. Weltzien

- Member of the Library Committee
- Member of the Student Affairs Committee
- Member of the AREC ad hoc Committee
- Member of the LDEM ad hoc Committee
- Member of the AUB Choral Society
- UNESCO Student exchange program coordinator

- Consultancy: Workshops in creative movement and related subjects with 'n' art for development, Beirut
- LDEM Yearbook and Final Exhibition Coordination

Dr. R. Zurayk

- Chair, Department of Landscape Design and Ecosystem Management (LDEM)
- Director, Interfaculty Graduate Environmental Sciences Program (IGESP)
- Chair of the Faculty Advisory Board, The Isam Fares Policy Institute, 2007-current.
- Founding member, Task Force for Reconstruction and Development, a committee that oversees AUB's post-July 2006 reconstruction efforts.
- Owner's Representative, Healthy Basket SARL.
- Founding member of Slow Food Beirut, the Beirut convivium of Slow Food
- UNEP global expert on environment and development representing West Asia in the production of the GEO 4 report.

3. Services to the Community:

- Healthy Basket: Healthy Basket is a fair trade agricultural program dedicated to supporting sustainable rural development by encouraging organic agricultural practices and linking organic growers to consumers. It was founded by the rural development team of the FAFS at the AUB as a non-profit partnership.
- IBSAR: Faculty members from the department are contributing to interfaculty collaborations through their active involvement in the interfaculty center IBSAR whose mission is to promote the conservation and sustainable utilization of biodiversity in arid and Mediterranean region by providing an open academic platform for innovative research and development www.ibsar.org
- Examples of projects currently managed by LDEM faculty under the context of IBSAR include: Conservation of native trees and shrubs (Seeds of hope trees for tomorrow, participatory ex situ conservation, Talhouk), the multifaceted evaluation of traditional rural practices as a potential source for improving rural livelihood of marginalized communities (Carob Agri-(culture), Makhzoumi), and the promotion of agrobiodiversity as an integral component of local agriculture (Land and People, Zurayk).

Publications

Dr. N. Farajalla

Articles in Refereed Journals and Proceedings

- Farajalla, N.S., and J. El-Khoury, 2007. "Impact of the July 2006 Conflict on the water quality at the Tyre Coast Nature Reserve – a Ramsar site in Lebanon." *Wetlands* Vol. 27, No. 4, December 2007, pp. 1160–1164.

Abstracts and Papers Presented in Scientific meetings

- Farajalla, N.S., Haddad, J., Nimah, M., Bashour, I. and G. Haddad, 2007. "Precipitation Trends in the Middle East: Beirut as a Case Study." *AWRA 2007 Annual Conference*, Albuquerque, NM, Nov. 12 – 15, 2007.

Dr. J. Makhzoumi

Articles in Refereed Journals and Proceedings

- Makhzoumi, J. 2008. Landscape Architecture, Globalization and Post-War Recovery, submitted to *Landscape Review* (Accepted).

Chapters in Books

- Makhzoumi, J and Pungetti, G. 2008. Landscape Strategies. *Mediterranean Island Landscapes*. Vogiatzakis, G Pungetti and A Mannion (eds). Springer-Verlag. pp 351-375.

Dr. S. Talhouk

Articles in Refereed Journals and Proceedings

- Sattout, E. J., P. D. S. Caligari, and S. N. Talhouk. 2008. Perspectives for sustainable management of cedar forests in Lebanon: situation analysis and guidelines. *Environment, Development and Sustainability*. Volume 10, Number 1: 107-127
- El-Najjar N, Saliba N, Talhouk S and Gali-Muhtasib H. 2007. Induction of apoptosis and protection against 1,2-dimethylhydrazine induced colon cancer by the extract of *Onopordum cynarocephalum*, *Oncology Reports*, 17(6): 1517-23.
- Stephan, J., P. Lauri, N. Dones, N. Haddad, S.N. Talhouk and H. Sinoquet. 2007. Architecture of the Pruned Tree: Impact of Contrasted Pruning Procedures Over 2 Years on Shoot Demography and Spatial Distribution of Leaf Area in Apple (*Malus domestica*). *Annals of Botany*: 1-11.
- Zahreddine, H.G., D.K. Struve, and S.N. Talhouk. 2007. *Cercis siliquastrum* L., *Malus trilobata* Schneid and *Acer syriacum* Boin and Gaill water use as affected by two fertilizer rates. *Scientia Horticulturae*. 112: 99-107.



- Zahreddine, H.G., D.K. Struve, and S.N. Talhouk. 2007. Growth and nutrient partitioning of containerized *Cercis siliquastrum* L. under two fertilization regimes. *Scientia Horticulturae*. 112:80-88.
- Sattout, E.J., S.N. Talhouk and P.D.S. Caligari. 2007. Economic value of cedar relics in Lebanon: An application of contingent valuation method for conservation. *Ecological Economics*. 61(2-3):315-322.

Dr. R. Zurayk

Articles in Refereed Journals and Proceedings

- Barbour, E., Sabra, A., Shaib, H., Berckley, A., Farajalla, N., Zurayk, A., and Kassaify, Z. 2008. Baseline data of Polycyclic Aromatic Hydrocarbons correlation to Size of Marine Organisms Harvested from a War-Induced Oil Spill Zone of the Eastern Mediterranean Sea, *Marine Pollution Bulletin* Volume 56, Issue 4, Pages 770-797.
- Zurayk, R. 2008. The Edible Landscape (Le Pietre Angolari). *Slowfood*. 32, pp 42-48. http://editore.slowfood.it/editore/riviste/slowfood/IT/32/articoli/Slowfood32_05.pdf
- Zurayk, R. 2008. "From nomads to settlers: how droughts, war and policies transformed the Jordanian Bedouins". *Food Security and Environmental Change (ENVR) Conference*. Oxford, UK, Apr 4, 2008.

Books and Chapters in Books

- Rami Zurayk, contributing author. 2007. *Environment for Development*. Chapters 1 and 6 of *Global Environment Outlook GEO4*. United Nations Environment Programme. UNEP. ISBN 978-92-807-2836.

Future Development

The LDEM Program is considering applying for accreditation and is currently in dialogue with the International Federation of Landscape Architecture (IFLA). Talks have been initiated with IFLA Education & Africa Committee Chair, James R. Taylor. The program is also pursuing accreditation with the Landscape Institute (UK) discussing the requirements with Nigel Thorne, the president. The Department will also seek to initiate academic collaborations with established programs in landscape architecture in Africa and the Middle East.

On another note, the Department is in the process of revising its undergraduate LDEM program to better align it with the department and Faculty missions and to develop learning outcomes both at program and course levels. This is in line with the University wide initiative launched this year to develop department, program, and course learning outcomes.

The Department is also in the process of building a second graduate program in Ecological Landscape Design (ELAD). For this purpose also, it is planning to advertise

and recruit an additional faculty member from the field of ecology to complement the newly envisaged graduate program.

The Department has started building a database with its alumni and employers to establish a network of professionals. And finally, the Department started working on organizing a mandatory student internship program.

D. Department of Nutrition and Food Sciences

Prepared by: Imad Toufeili, Chairperson

Summary

The NFSC faculty members conducted their regular research and teaching activities and supervised graduate students' research. They also participated in international conferences and were involved in consultancies for international organizations and regional universities.

During this academic year, The Department was designated as a WHO collaborating Center for Food and Nutrition, which is the first in the country in any discipline.

Dr. Lara Nasreddine, Assistant Professor in Nutrition, joined the department on September 15, 2007. The Department appointed Ms. Rosalie Karam as a full time departmental research assistant, for a period of 12 months starting October 1, 2007 until September 30, 2008. The contract of Dr. Sana Ghaddar, Assistant Professor in Nutrition, was not renewed effective September 2008. Ms. Nadine Zabliith resigned from her job as an Instructor in Nutrition and Dietetics, effective September 2008.

The total number of credits taught in the department in the academic year 2007/2008 was 148 (62 in the Fall Semester, 60 in the Spring Semester and 26 in the Summer Term).

AUB signed, through the NFSC Department, official agreements with six hospitals in Lebanon, other than AUBMC and Rafic Hariri University Hospital, to secure internship places for the graduating students in Nutrition and Dietetics. These hospitals are:

- Makassed Hospital
- Saint Georges Hospital
- Mount Lebanon Medical Center
- Rizk Hospital
- Hammoud Hospital
- Labib Medical Center



17 departmental meetings were held between September 26, 2007 and August 7, 2008 and the following major actions were taken:

- **Learning Outcomes:** The Department developed the learning outcomes for the Nutrition and Dietetics program and the Food Sciences and Management program.
- **Strategic Plan:** The Department built on the previous strategic plan that was initiated on May 1, 2006. The faculty members finalized the NFSC Strategic Plan which included the following:
 - NFSC Vision
 - NFSC Mission
 - NFSC Department Chart
 - SWOT analysis for Teaching, Research, and Outreach.
 - Plan for Teaching, Research and Outreach.
- **Admissions:** The Department recommended a maximum of 40 students to be accepted for admission to the Nutrition and Dietetics program (50% transfer students and 50% new students) and 40 students to the Food Sciences and Management program.
- **Faculty Position in Food Sciences:** The selected candidate for the faculty position in Food Sciences has declined the offer. Therefore, the faculty members agreed on re-advertising for the faculty position in Food Sciences (Food Engineering emphasis) immediately in order for the department to identify someone before the spring semester 08-09.
- **Faculty Position in Nutrition:** The NFSC faculty members reviewed the CVs of the applicants to the faculty position in Nutrition and recommended Dr. Farah Naja Alameddine who will join the department in the fall semester 08-09.
- **Coordinated Program in Nutrition:** The department has been working on the accreditation of the Nutrition & Dietetics program with American Dietetic Association (ADA) where the institution of the Coordinated Program (CP) is required as part of the accreditation process. Accordingly, two extra semesters should be added to the ND program. The internship program should be standardized in all the hospitals and be 11 months (a minimum of 1200 hours). The department will be recruiting a consultant who will visit different hospitals to evaluate their internship programs and suggest the needed modifications to fulfill the requirements set by ADA.

Personnel

1. Academic

Hwalla, Nahla	Ph.D, RD	Dean, Professor
Toufeili, Imad	Ph.D.	Chairman, Professor
Obeid, Omar	Ph.D.	Associate Professor
Batal, Malek	Ph.D.	Assistant Professor (On leave)
Kassaify, Zeina	Ph.D.	Assistant Professor
Ghaddar, Sana	Ph.D.	Assistant Professor
Olabi, Ammar	Ph.D.	Assistant Professor
Nasreddine, Lara	Ph.D.	Assistant Professor
Hamadeh, Basma	M.S.	Instructor
Chamieh, Marie Claire	M.S.	Instructor
Zablith, Nadine	M.S.	Instructor
Nabahani Zeidan, Maya	Ph.D.	Part-time Lecturer
Tannous, Raja	D.Sc.	Part-time Professor
Tassabahji, Nadine	Ph.D.	Part-time Assistant Professor
Natour, Jamila	Ph.D.	Part-time Assistant Professor
Habib, Carla	M.S.	Part-time Instructor

2. Research Associate

Adra, Nada	M.S.	Research Associate
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3. Research Assistants

Karam, Rosalie	M.S.	Research Assistant
Eid, Joe	B.S.	Research Assistant (Pilot Plant Supervisor)
Bilal, Liza	B.S.	Research Assistant
Tannous, Dalia	M.S.	Research Assistant
Mattar, Melani	B.S.	Research Assistant
Baghdadi, Omar	B.S.	Research Assistant
Reem Hamzeh	B.S.	Research Assistant

4. Graduate Assistants

Fall 2007/2008

	Graduate Assistant	Major
1	Kholoud Maatouk	Nutrition
2	Amany Nasreddine	Food Technology
3	Maya Tabet	Nutrition
4	Roula Rechmany	Nutrition
5	Samson Atamian	Food Technology
6	Ghina El Zahabi	Food Technology



7	Pamela Abi Khalil	Food Technology
8	Krystel Oujian	Nutrition
9	Sara Kassam Youssef	Nutrition
10	Dima Haddadin	Nutrition
11	Lama Mattar	Nutrition
12	Rita Rizk	Food Technology
13	Lama Lteif	Food Technology
14	Joelle Chahine	Nutrition
15	Nour El Ouyoun Najem	Food Technology

Spring 2007/2008

	Graduate Assistant	Major
1	Maya Tabet	Nutrition
2	Sara Kassem Youssef	Nutrition
3	Samson Atamian	Food Technology
4	Krystel Oujian	Nutrition
5	Lama Ltief	Food Technology
6	Rita Rizk	Food Technology
7	Nour El Ouyoun Najem	Food Technology
8	Roula Rechmany	Nutrition
9	Lama Mattar	Nutrition
10	Joelle Chahine	Nutrition
11	Berna Rahi	Nutrition
12	Reem Hamzeh	Food Technology
13	Laura Karam	Nutrition
14	Maya Salem	Nutrition
15	Darine Barakat	Food Technology
16	Stephanie Rahi	Nutrition
17	Chrystel Haikal	Nutrition

5. Non Academic

Derboghassian, Arsine	Associate Technician
Ghannam, Tania	Clerk Stenographer
Touma, Samir	Associate Technician

Teaching

1. Number of Graduating Students by Major

	October 2007	February 2008	June 2008
BS Nutrition	3	5	47
BS Food Sciences & Management	2	11	27
Total UG	5	16	74
MS Food Technology	1		3
MS Nutrition	2	2	5
Total Graduate	3	2	8
Total	8	18	82

2. Number of students by Major

Undergraduates	AY 2007-2008
ND I	62
ND II	45
ND III	57
Special	9
UG NTDT	173
FSMT I	45
FSMT II	44
FSMT III	56
UG FSMG	145
Total Undergraduate	318
Graduates	
Food Technology	21
Nutrition	37
Total Graduate	58
Grand Total	376

3. Enrollment in Courses

Fall 2007/2008

Course	Credits	Enrollment	Instructor
NFSC 220	3	50	C. Murad
NFSC 221	3	88	M. Zeidan
NFSC 222	3	48	M. Zeidan
NFSC 240	2	69	L. Nasreddine /M. Chamieh
NFSC 261	3	50	J. Natour
NFSC 265	3	90	I. Toufeili
NFSC 267	2	43	B. Hamadeh



NFSC 274	3	48	O. Obeid
NFSC 277	3	67	Z. Kassaify
NFSC 282	2	58	Z. Kassaify
NFSC 288	3	71	A. Olabi /B. Hamadeh
NFSC 290	3	23	N. Zablith
NFSC 292	3	59	S. Ghaddar
NFSC 294	1	59	M. Chamieh
NFSC 296	1	35	L. Nasreddine
NFSC 298	0	8	I. Toufeili
NFSC 299	2	34	L. Nasreddine
NFSC 300 A	1	0	Staff
NFSC 300 B	2	0	Staff
NFSC 300 C	3	0	Staff
NFSC 304	3	8	R. Tannous
NFSC 311	3	13	N. Hwalla/ L. Nasreddine
NFSC 312	3	12	S. Ghaddar
NFSC 314	3	14	O. Obeid
NFSC 370	3	7	A. Olabi
NFSC 395	1	12	A. Olabi
NFSC 399	Th.	16	Staff

Spring 2007/2008

Course	Credits	Enrollment	Inst / Coord
NFSC 220	3	50	C. Murad
NFSC 221	3	52	M. Zeidan
NFSC 261	3	45	J.Natour
NFSC 267	2	50	B. Hamadeh
NFSC 272	2	41	S. Ghandour
NFSC 278	3	55	Z. Kassaify
NFSC 285	3	67	M. Zeidan
NFSC 287	2	106	R. Tannous
NFSC 289	1	57	B. Hamadeh
NFSC 290	3	44	N. Zablith
NFSC 291	3	50	A. Olabi
NFSC 293	3	60	S. Ghaddar
NFSC 295	1	60	M.C. Chamieh
NFSC 296	1	71	S. Ghaddar/ L. Nasreddine/ O.Obeid
NFSC 298	0	8	I. Toufeili
NFSC 299	2	63	S. Ghaddar
NFSC 300 A	1	0	Staff
NFSC 300 B	2	6	Staff
NFSC 300 C	3	1	Staff
NFSC 305	3	11	O. Olabi
NFSC 306	3	2	M. Zeidan

NFSC 308	3	10	N. Tassabehji
NFSC 310	3	7	I. Toufeili
NFSC 315	3	12	O. Obeid
NFSC 351	3	12	Z. Kassaify
NFSC 395	1	8	O. Obeid
NFSC 399	Th.	20	Staff

Summer 2007/2008

Course	Credits	Enrollment	Inst / Coord
NFSC 221	3	10	O. Obeid
NFSC 261	3	52	I. Toufeili
NFSC 265	3	29	I. Toufeili
NFSC 274	3	13	O.Obeid
NFSC 277	3	25	Z. Kassaify
NFSC 280	1	40	R.Tannous
NFSC 296	1	7	Z. Kassaify
NFSC 298	0	7	I. Toufeili
NFSC 299	2	5	Staff
NFSC 300 A	1	1	Staff
NFSC 300 B	2	7	Staff
NFSC 300 C	3	2	Staff
NFSC 395	1	4	Staff
NFSC 399	Th.	18	Staff

Graduated MS Student

Dr. Hwalla

- Mona Mansour (2008). Body fat and its relationship with metabolic syndrome indicators in overweight (BMI≥85th percentile) pre-adolescent male children in Lebanon.
- Rola El Rassi (2008). Postprandial ghrelin response to meals in healthy males: Effect of protein manipulation.
- Samira Sidani (2008). Body fat and its relationship with metabolic syndrome indicators in overweight (BMI≥85th percentile) adolescent male children in Lebanon.

Dr. Kassaify

- Rita Rizk (2008). The awareness of Lebanese consumers and retail employees and the investigation of the survival of *Listeria monocytogenes* and *Listeria innocua* in deli meats and on slicing machines.
- Pamela Abi Khalil (2008). Antibiotic residues in milk from Lebanese dairy farms.



Dr. Obeid

- Melanie Mattar (2008). Feed efficiency of rats maintained on varied casein to gluten ratios.
- Lama Mattar (2008). Effect of dietary phosphorus manipulation on lipid status of rats maintained on a high fructose diet.

Dr. Olabi

- Amany Nasser El-Dine (2008). The use and effect of reference foods in acceptability tests.

Research Projects

1. Internal Grants

Dr. Kassaify

Principal Investigator: Antibiotic Residues in Milk, Poultry and Eggs in the Middle East: Case study Lebanon. (URB, \$ 6500) October 1, 2007 – September 30, 2008.

Dr. Nasreddine

Principal Investigator: “Comparative Analysis of Body Composition Assessment Methods in Lebanese Children: Anthropometry, Bioelectrical Impedance, and Deuterium Dilution Method”. (URB, \$6,800). January 1, 2008-December 31, 2008.

Dr. Obeid

Principal Investigator: Effect of lysine and vitamin B6 supplement on male subjects with hypertriglyceridemia. (URB, US\$ 7,500). October 1, 2007-September 30, 2008.

Dr. Olabi

Principal Investigator: The characterization of the physicochemical and sensory properties of full-fat, reduced-fat and low-fat ovine and bovine Halloumi Cheese. (URB, \$8,200). October 1, 2007-September 30, 2008.

Dr. Toufeili

Principal Investigator: Formulation of Selenium-Fortified Arabic Bread. (URB, \$5,350). October 1, 2007- September 30, 2008.

2. External Grants

Dr. Hwalla

Principal Investigator: Body fat and its relationship with metabolic syndrome indicators in overweight (BMI \geq 85th percentile) pre-adolescent children and adolescents in Lebanon. (IAEA, 7,200 EURO). December 15, 2007- December 14, 2008.

Principal Investigator: Postprandial variation in appetite hormones in response to macronutrient composition of meals in male subjects with metabolic syndrome. (LNCSR 20,000,000 L.L.) December 31, 2007-December 30, 2009.

Dr. Nasreddine

Principal Investigator: “Comparative Analysis of Body Composition Assessment Methods in Lebanese Children: Anthropometry, Bioelectrical Impedance, and Deuterium Dilution Method”. (National Council for Scientific Research, 7,000,000L.L.) January 1, 2008-December 31, 2008.

Principal Investigator: “Dietary Exposure of an Adult Rural Population to Pesticide Residues in Lebanon: A Total Diet Study Approach”. (WHO, Eastern Mediterranean Regional Office Special Grant for Research in Priority Areas of Public Health, 10 000\$). 2008-2009.

Other Staff Activities

1. Participation in Workshops and Conferences

Dr. Hwalla

- Presented a paper entitled “Body fat and its relationship with metabolic syndrome indicators in overweight adolescents in Lebanon” at the 2nd international conference on hypertension, lipids, diabetes and stroke prevention, Prague- Czech Republic, March 6-8, 2008

Dr. Toufeili

- Participated in a study tour on Traceability of Foods, organized by the Market Access and Compliance of Lebanese Export Project (MACLE), Cairo, Egypt, June 29- July 3, 2008.

Dr. Kassaify

- Food Safety Symposium. Presented a lecture on Food Safety in Processed Foods FAFS, AUB. December 7, 2007.
- Delivered a lecture on the “Problems regarding Food Safety and Quality in Lebanon. Avellino, Italy, October 26 – 28, 2007.



Dr. Nasreddine

- Attended a Press Conference organized by Tercom, “Activation of Mechanisms to Sustain Rural Territories & Communities in Lebanon” for the launching of the “ATLAS OF LEBANESE TRADITIONAL PRODUCTS”. Dr. Nasreddine delivered a lecture entitled “Lebanese Traditional Products: A New Path towards Valorization of our Tradition and Territories”, Biel, Beirut, Lebanon, June 24, 2008.
- Participated in the Round Table Discussion on “Diet and Cancer”; Fourth Forum AgroSante, University La Salle, Beauvais, France, April 2-3, 2008.
- Delivered a lecture entitled “Evaluation of the Dietary Exposure to Pesticide Residues” at the regional workshop “The Use of Nuclear Techniques for the Analytical Determination of Pesticide Residues in Food”, organized by the Arab Atomic Energy Commission, Beirut, Lebanon, March 31, 2008.
- Delivered a lecture “Innovation in the Small, Medium, and Micro Agri-Food Enterprises (SMMAE) in Lebanon: Case-Study of Pomegranate Molasses” in the meeting for the project entitled “Pilot Project for the Creation of an Observatory on Innovation in the Small, Medium, and Micro Agri-Food Enterprises (SMMAE) in the Mediterranean Basin”, AUB, December 7-8, 2007.

Dr. Obeid

- Delivered a lecture entitled “Nutritional & Herbal Supplements, What Do We Know?” at the Global University Conference on Herbal Therapies and Nutritional Supplements, Beirut-Lebanon, May 3, 2008.
- Delivered a lecture entitled “Olive and olive oil: are we reaping the benefits?” at the Olive and Olive Oil conference organized by the Fundacion El Legado Andalusi at Jaen-Spain, April 19-20, 2008.
- Delivered a lecture entitled “Fish oil and the management of hypertriglyceridemia” at the International Conference on The Economic Importance of Fisheries and their impact on Public health, Muscat-Oman, March 8-10, 2008.
- Participated in a workshop on Management of Humanitarian Emergencies: Focus on Children and Families and presented a lecture and coordinated a session on “Child Nutrition in Disasters”, organized by Case Western Reserve University and Health Education Resource Unit (AUB), at Crown Plaza Hotel, Beirut, February 11-15, 2008.
- Delivered a lecture entitled “Vitamin Supplements, Too Much of a Good Thing?” at the Third Arab Nutrition conference. December 4-6, 2007. Abu Dhabi, UAE.

Dr. Olabi

- Attended a workshop on Hygienic Production of Packaging, presented by Mr. Terry Robins, that was organized by the Market Access and Compliance of Lebanese Export Project (MACLE), January 21-22, 2008.
- Attended a workshop on Value Added Products with Packaging: Communicating with the Consumer, presented by Dr. Maria Gonzales, organized by the Market Access and Compliance of Lebanese Export Project (MACLE), November 7, 2007.

2. Short / Long Term Faculty Development

Dr. Kassafy

Short Term Faculty Development

Institute of Food Technologists (IFT) – New Orleans, USA: Attended the “2008 IFT Annual Meeting and Food Expo”, which was held in New Orleans, USA. Dr. Kassafy attended and presented a paper at the meeting entitled: “Aflatoxins M1 in Lebanese dairy products and the risk of exposure”. June 28 – July 2, 2008.

Dr. Obeid

Short Term Faculty Development

Nutrition Society Summer Meeting – Nottingham, U.K: Attended the Asian Congress of Nutrition that was held at the University of Nottingham, Nottingham- U.K. Dr. Obeid presented two posters on “The effect of branched amino acids (BACC) on meal pattern of rats” and “Food Efficiency of rats maintained on a diet with varied casein to gluten ratios”. June 30 and July 4, 2008.

Dr. Olabi

Long Term Faculty Development

Polytechnic State University - San Luis Obispo, USA: Dr. Olabi conducted research in the Food Sciences and Nutrition Department at California Polytechnic State University, San Luis Obispo from July 1 - August 31, 2008. Dr. Olabi worked on the following projects: “Functional use of exopolysaccharide-producing bacteria as a natural stabilizer in ice cream” and “Use of whey cream components for the production of novel dairy ingredients”.

Short Term Faculty Development

Institute of Food Technologists (IFT) – Chicago, USA: Attended the “2008 IFT Annual Meeting and Food Expo”, and presented three posters at the Institute of Food Technologists Annual Meeting. New Orleans, USA. June 28 – July 2, 2008.



Dr. Toufeili

Short Term Faculty Development

Third European Conference- Hamburg, Germany: Dr. Toufeili attended and presented a paper at the Third European Conference on Sensory and Consumer Research in Hamburg, Germany. September 7 -10, 2008.

3. Consultancies

Dr. Hwalla

- World Health Organization: Appointed by DG of WHO as a member of the "WHO Expert Advisory Panel on Nutrition" for four years.2004-2008.
- Technical consultation at the WHO EMRO Meeting, Food- Based dietary guidelines for the Middle East and North Africa Region, Egypt. March 1-2, 2008.
- International Atomic Energy Agency (IAEA) Meeting. Presented a paper entitled "Body fat and its relationship with metabolic syndrome indicators in overweight pre-adolescent children and adolescents in Lebanon", Vienna, March 17-19, 2008.

Dr. Kassafy

- Continuing Education Center (CEC) - AUB: Prepared course syllabi for 4 courses for the non-credit certificate in "Nutrition and Food Safety."
- Instructed a postgraduate course on Food Microbiology at the Mediterranean Agronomic Institute of Chania, Greece, November 26- 30, 2007.

Dr. Toufeili

- Training workshop on Process Development for Pilot Plant Managers of ASAIL Project. AUB, October 29 & November 30, 2007.

4. Other Academic Activities

Dr. Kassafy

- Attended a workshop on Moodle, ACC, AUB, March 2008.
- Attended the Third International Food Safety Conference and Gulfood, Dubai, February 24-27, 2008.
- Presented on Future TV in Alam Al Sabah about Food Safety in Lebanon; December 2007.

Dr. Nasreddine

- Faculty Seminar on Learning and Teaching Excellence. Center of Teaching and Learning, AUB, March 19, 2008-April 23, 2008.
- Proposal and Budget Preparation Workshop. Office of Grants and Contracts, AUB, February 15, 2008.

Dr. Obeid

- Attended a Proposal and Budget Preparation Workshop. Office of Grants and Contracts, AUB, February 15, 2008.
- Attended a workshop on "Developing Teaching portfolio". Center for Teaching and Learning, AUB, January 7, 2008.

Dr. Olabi

- Workshop on Developing Teaching portfolio. Center for Teaching and Learning, AUB, January 7, 2008.

5. Services to the community

Dr. Hwalla

- President of the Lebanese Association for Nutrition and Food Sciences
- Member of the Committee on Dietary Supplements and Medicinal Herbs at the Ministry of Public Health
- Referee / advise on potential referees for International Journal of Food Sciences & Nutrition
- Editorial board member: Health Education Research
- Editorial board member: World Health Organization Bulletin
- Editorial board member: Annals of Nutrition and Metabolism
- Reviewer of Research Articles:
 - a. World Health Organization Bulletin
 - b. Nutrition Research
 - c. Annals of Nutrition and Metabolism
 - d. European Journal of Clinical Nutrition
 - e. Lebanese Science Bulletin



Dr. Toufeili

- Member of the Lebanese Association for Food Scientists and Technologists
- Reviewer of Research Articles:
 - a. Appetite
 - b. Journal of Food Sciences & Technology/LWT
 - c. Journal of Cereal Science
 - d. International Journal of Food Sciences & Technology
 - e. International Journal of Dairy Technology

Dr. Kassaify

- Member of the Ministry of Agriculture National Committee for Organic Foods
- Member of the UN-ESCWA Network on Agro-food Processing
- Member of the EU-FAO Committee for Food Safety and Quality
- Member of Ministry of Agriculture Committee 'Improvement of the Poultry Industry of Lebanon including husbandry and slaughter houses'
- Member of the Experts Committee AUB-FAFS Representative at the Lebanese Standards Institution-LIBNOR.
- WHO expert adviser for WHO's Food borne Disease Burden Epidemiology Reference Group (FERG).
- HACCP plan and implementation in the creamery and poultry section of AREC: AREC visits and assist in the cafeteria and creamery reports.
- Reviewer of Research Articles:
 - a. WHO Eastern Mediterranean Health Journal
 - b. Nutrition and Metabolic Insights

Dr. Nasreddine

- Member of the National Nutrition Colloquium Examining Committee
- Member of the Lebanese Dietetic Association

Dr. Obeid

- Member of the Lebanese Association for Nutrition and Food Sciences (Executive committee)
- Member of the Advisory Committee for the Syrian Diabetic Journal (Diabetic World)
- Member of the National Nutrition Colloquium Examining Committee

- Member of the editorial board: Arab Journal of Food and Nutrition
- Reviewer of Research Articles:
 - a. Annals of Nutrition and Metabolism
 - b. Saudi Society Journal for Food and Nutrition Sciences
 - c. Jordan Journal of Biological studies
 - d. International Journal of Sport Nutrition and Exercise Metabolism
 - e. Eastern Mediterranean Health Journal (EMHJ)
 - f. Journal of Ecology of Food and Nutrition

Dr. Olabi

- Member of the Lebanese "Food Constitution" Committee (AY 06-08)
- Reviewer of Research Articles:
 - a. Journal of Food Sciences
 - b. Journal of Dairy Science

6. Services on Committees

Dr. Toufeili

- University Re-accreditation working group 8
- FAFS Advisory Committee (Secretary)
- FAFS Administrative Committee
- FAFS Academic & Curriculum Committee
- University & FAFS Commencement Committees

Dr. Kassaify

- NFSC Committee on AREC Creamery Affairs
- FAFS Ad Hoc Committee to revise FAFS bylaws
- FAFS Strategic Plan Committee
- FAFS Academic and Curriculum Committee
- FAFS Student affairs Committee
- SRC Advisor
- Social Services Club Advisor
- Food Sciences Society Advisor
- University Library Committee

- FAFS Admissions Committee
- FAFS Graduate Studies Committee

Dr. Nasreddine

- NFSC Strategic Planning Committee
- NFSC Ad-hoc committee for the preparation of Learning Outcomes for the Nutrition program
- NFSC Ad-hoc committee for the preparation of guidelines for NFSC 299 (Tutorial)
- FAFS Research Committee
- FAFS Graduate Studies Committee

Dr. Obeid

- Coordinator of Nutrition and Dietetics Program
- University Senate committee
- University Senate steering committee
- University grievance committee
- University Radiation Safety Committee
- University IRB committee
- University Lab committee
- FAFS Graduate Studies Committee
- FAFS Academic and Curriculum Committee
- Ad hoc committee for Nutrition & Dietetics coordinated program (Chairperson)
- Member of IBSAR
- NFSC Strategic Planning Committee
- NFSC Ad-hoc committee for the preparation of Learning Outcomes for the Nutrition program

Dr. Olabi

- Nutrition and Food Sciences Strategic Planning Committee.
- Nutrition and Food Sciences AREC Committee (Secretary)
- Nutrition and Food Sciences Committee for Collaboration with the MACLE project (UNIDO) (Secretary).
- FAFS Research Committee (Secretary)

- FAFS Student Affairs Committee (Chairperson)
- FAFS Admissions Committee
- FAFS Graduate Studies Committee
- FAFS Agribusiness Program Committee
- University Graduate Studies Board (Secretary)
- University Student Affairs Committee

Publications

1. Publications in International Refereed Journals

Dr. Hwalla

- Nancy Helou, Omar Obeid, Sami T Azar, Nahla Hwalla* (2008). Variation of postprandial PYY3-36 response following ingestion of differing macronutrient meals in obese females. *Annals of Nutrition and Metabolism*, 52:188-195.* Corresponding author
- Omar Obeid, Manal Elfakhani, Sani Hlais, Michel Iskandar, Malek Batal, Youssef Mounneimne, Nada Adra, Nahla Hwalla (2008). Plasma copper, zinc and selenium levels and correlates with metabolic syndrome components of Lebanese adults. *Biological Trace Element Research*, 123:58-65.
- Omar Obeid, Lynn Al Khatib, Malek Batal, Nada Adra, Nahla Hwalla (2008). Established and suspected biomarkers of cardiovascular disease (CVD) risk in pre-menopausal Lebanese women. *Ecology of Food and Nutrition*, 47:3, 298-311.
- Mehio-Sibai A, Obeid O, Batal M, Adra N, El Khoury D, Hwalla N *(2008). Prevalence and correlates of metabolic syndrome in an adult Lebanese population. *Prevention and Control*, 3:83-90 * Corresponding author
- Nasreddine L., El Samad O., Hwalla N., Baydoun R., Hamzé M. and Parent-Massin D. (2008). Activity concentrations and mean annual effective dose from gamma-emitting radionuclides in the Lebanese diet, *Radiation Protection Dosimetry*; doi: 10.1093/rpd/ncn160
- Hwalla N. Lebanese Traditional Diets & Health effects (2007). Wild-type food in health promotion and disease prevention, *The Columbus Concept*, De Messter, Fabien, Watson, Ronald R. (Editors), Humana Press, pp. 493-498.
- Jackson RT, Rashed M, Al-Hamad N, Hwalla N, Al-Somaie M (2007). Comparison of BMI-for-age in adolescent girls in 3 countries of the Eastern Mediterranean region. *La Revue de Sante de la Mediterranee Orientale* 13, No 2: 430-446.



Dr. Toufeili

- Bitar, A., Ghaddar, T., Malek, A., Haddad, T. and Toufeili, I. Sensory thresholds of selected phenolic constituents from thyme and their antioxidant potential in sunflower oil. *Journal of the American Oil Chemists Society*, (2008), 85(7):641-646.
- Mroueh, M., Issa, D., Khawand, J., Haraty, B., Malek, A. Kassaify, Z., and Toufeili, I. Levels of benzoic and sorbic acid preservatives in commercially produced yoghurt in Lebanon. *Journal of Food, Agriculture and Environment*, (2008), 6(1):62-66.

Dr. Kassaify

- Mroueh Mohammad, Dina Issa, Jesele Khawand, Bassam Haraty, Amal Malek, Zeina Kassaify and Imad Toufeili. (2008). Levels of benzoic and sorbic acid preservatives in commercially produced yoghurt in Lebanon. *Journal of Food, Agriculture and Environment*, 6(11):62-66
- Kassaify Zeina G., Ghida Banat, Elias Baydoun, Elie K. Barbour. (2008). Quantitative assessment of fimbriae-specific serum and egg yolk antibodies induced in chicken layers by a newly developed live *Salmonella Enteritidis* vaccine and relationship to infection. *International Journal of Applied Research in Veterinary Medicine*; 6(1).
- Kassaify Zeina G., Rindala G. El Hakim, Edward G. Rayya, Houssam A. Shaib, and Elie K. Barbour (2007). Preliminary study on the efficacy and safety of eight individual and blended disinfectants against poultry and dairy indicator organisms. *Veterinaria Italiana*, 43(4); 821-830.

Dr. Nasreddine

- Nasreddine L., El Samad O., Hwalla N., Baydoun R., Hamzé M. and Parent-Massin D. (2008). Activity concentrations and mean annual effective dose from gamma-emitting radionuclides in the Lebanese diet, *Radiation Protection Dosimetry*; 131: 545-550

Dr. Obeid

- Nancy Helou, Omar Obeid, Sami T Azar, Nahla Hwalla (2008). Variation of postprandial PYY3-36 response following ingestion of differing macronutrient meals in obese females. *Annals of Nutrition and Metabolism*, 52:188-195.
- Omar Obeid, Manal Elfakhani, Sani Hlais, Michel Iskandar, Malek Batal, Youssef Mouneimne, Nada Adra, Nahla Hwalla (2008). Plasma copper, zinc and selenium levels and correlates with metabolic syndrome components of Lebanese adults. *Biological Trace Element Research*, 123:58-65.

- Omar Obeid, Lynn Al Khatib, Malek Batal, Nada Adra, Nahla Hwalla (2008). Established and suspected biomarkers of cardiovascular disease (CVD) risk in pre-menopausal Lebanese women. *Ecology of Food and Nutrition*, 47:3, 298-311.
- Mehio-Sibai A, Obeid O, Batal M, Adra N, El Khoury D, Hwalla N (2008). Prevalence and correlates of metabolic syndrome in an adult Lebanese population. *Prevention and Control*, 3:83-90.

Dr. Olabi

- Olabi, A. and H.T. Lawless. (2008). Persistence of context effects after training and with intensity references. *Journal of Food Sciences* 73:S185-189.
- Cody, T., Olabi, A., Pettingell, A., Tong, P., and J. Walker. (2007) Evaluation of rice flour for use in vanilla ice cream. *Journal of Dairy Science* 90: 4575-4585.

2. Published Abstracts

Dr. Kassaify

- Zeina Kassaify and Hussein F. Hassan. Aflatoxins M1 in Lebanese dairy products and the risk of exposure. The Institute of Food Technologists Annual Meeting, New Orleans, LA, USA, June 28 - July 2, 2008.

Dr. Nasreddine

- Hwalla N, Nasreddine L, Sidani S, Obeid O, Adra N. Body fat and its relationship with metabolic syndrome indicators in overweight adolescents in Lebanon. Second international conference on hypertension, lipids, diabetes and stroke prevention, March 6-8 2008, Prague-Czech Republic.
- Raad F, Hilan C, Maalouf F, Nasreddine L. Evaluation de l'exposition aux risques mycotoxiques dans les denrées alimentaires, World Food Day, The Right to Food, Make it Happen, October 16, 2007, Tyr- Lebanon.

Dr. Obeid

- Ramadan, N. Hwalla and O.A. Obeid The effect of branched chain amino acids (BCAA) on meal pattern of rats. The nutrition society summer meeting, Nottingham, 30 June- 3 July 2008.
- Mattar M and O.A. Obeid. Food efficiency of rats maintained on a diet with varied casein to gluten ratios. The nutrition society summer meeting, Nottingham, 30 June- 3 July 2008.



Dr. Olabi

- Olabi, A., Kebbe Baghdadi, O. and N. Najm. Food neophobia levels of Lebanese and American college students. The Institute of Food Technologists Annual Meeting, New Orleans, June 28-July 1, 2008.
- Nasser El Dine, A., Olabi, A. and H.T. Lawless. The use of hedonic reference foods in acceptability tests. The Institute of Food Technologists Annual Meeting, New Orleans, June 28-July 1, 2008.
- Daroub, H. Olabi, A. and I. Toufeili, Designing an arabic version of the 9-point hedonic scale for use in acceptability Tests. The Institute of Food Technologists Annual Meeting, New Orleans, June 28-July 1, 2008.

Future Development

- Offering R.D. from Lebanon is in progress.
- Accreditation: the Department is pursuing accreditation for its two programs: Nutrition and Dietetics and Food Science and Management. For that purpose, a proposal for instituting an undergraduate Coordinated Program in Nutrition & Dietetics (CP) is expected to be launched in the academic year 2009-2010.
- Public Health Nutrition Program: The Department is working on developing a new program, "Public Health Nutrition". The suggested new degree will enhance capacity building in a needed discipline, and will provide new job opportunities for Nutrition graduates to work in settings other than the clinical setting such as governmental and non-governmental institutions.