



ANNUAL REPORT

OFFICE OF RESEARCH & GRADUATE STUDIES

2010-2011

Results

RESEARCH

Internal Funding

Start-up Funds

Projects payment plan by College over four years

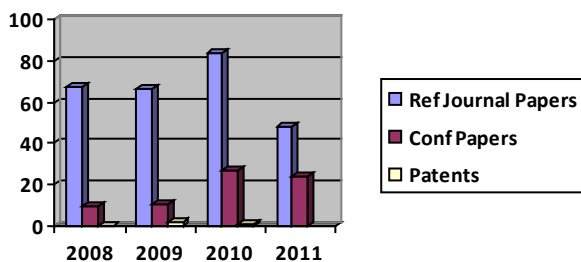
College	Amount (millions SR/yr)				Total
	2010-11	2011-12	2012-13	2013-14	
Medicine	0.70	2.20	0.70	0.37	3.97
Science	0.45	1.41	0.45	0.24	2.55
Engineering	0.82	2.57	0.82	0.43	4.65
Business	0.03	0.79	0.03	0.02	0.14
Total	2.00	6.26	2.00	1.06	11.32

Publications

Research output

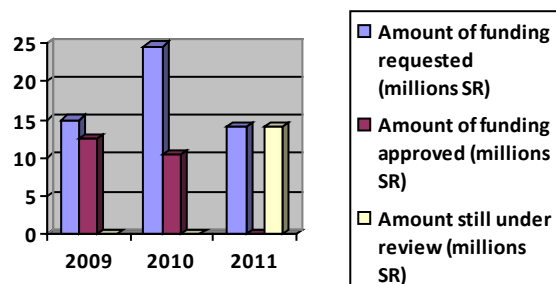
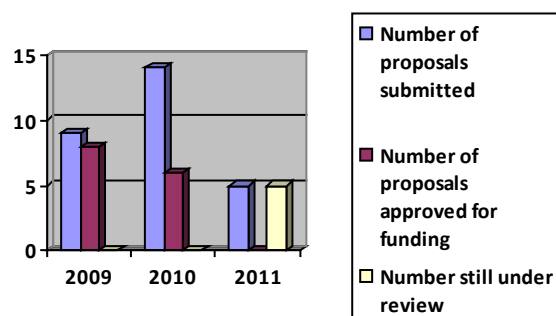
	Yr	2008	2009	2010	2011*
Ref Journal Papers		67	66	84	48
Conference Papers		10	11	27	24
Patents		0	2	1	0
Books		1	4	4	5
Book Chapters		5	5	5	7
Invited Speaker		1	22	15	5
Conf Abstracts		6	12	10	7
Conf Attended		2	12	8	5

*as of June 2011

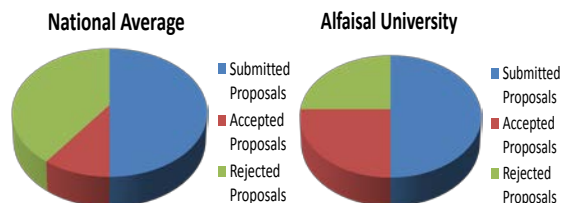


Sponsored Research

KACST Science & Technology Strategic Grants



Saudi Aramco University Collaboration Programs



GRADUATE STUDIES *as of June 2011

Graduate Program	Status	No. Students in Program*		
		Men	Women	Total
MBA (Masters of Business Administration)	Running since October 2010	20	24	44
MSc & PhD in Biomedical Sciences	MSc approved by MoHE June 2011	0	0	0
MSc in Genetic Counseling	Submitted to MoHE June 2011	N/A	N/A	N/A
MSc in Radiological & Imaging Sciences	Final Review by UCU then to MoHE	N/A	N/A	N/A
Grand Total		20	24	44

Executive Summary

The achievements in research and graduate studies at Alfaisal University over the past academic year are described in this report. In addition, the continuing challenges facing the institution are also be outlined. It will be shown that research funding, both internal and external, is improving due to a commitment by King Faisal Foundation for internal start-up funding, as well as owing to a very productive and talented academic research team which has resulted in externally funded contracts. Furthermore, graduate programs have also started with the launching of the MBA program and the MOHE approval of the Biomedical Sciences Master's program. However, a major shortcoming facing us is the need to deliver on major research funding from the KACST Strategic Science & Technology Program, as well as the need to complete our research laboratories.

A payment plan was approved by the King Faisal Foundation (KFF) in the amount of 11.3 million SR over 4 years for closing out all current, committed, Start-Up Funding Projects. In addition to the approved Budget, SR4.26 million has been committed by a member of the Board of Trustees (BoT), to specific research projects. Start-up funding requests will be processed according to a new policy agreed upon by the Council of Deans and approved by KFF. Whatever funding comes in will be divided amongst the Colleges on the basis of a consensus reached by the University Research & Graduate Studies Council, and taking into account the research productivity of the faculty members. Each College Research Committee will decide on how to divide up the available funds amongst the faculty members.

One of the major achievements this past year has been the success of Alfaisal University faculty in the Saudi Aramco University Collaboration Programs (UCP). Three out of six research proposals submitted by faculty members have been accepted for funding as part of the Saudi Aramco University Collaboration Program (UCP). In response to an invitation by Saudi Aramco, a total of 65 basic and applied research proposals were received from universities in the Kingdom. A total of 13 research proposals were selected for funding out of these submissions in the 2011 cycle of UCP.

Currently Alfaisal University Faculty Members have 14 approved projects through the KACST Science and Technology Strategic Grants completion adding up to about 23 million SR. A total of 23 projects were submitted in 2009 and 2010 giving Alfaisal University a success rate of 61%, which according to our understanding is the highest success rate in the Kingdom. While we are proud of our faculty for the high success rate, a continuing problem continues to be the Ministry of Finance which has not as yet released any funds for the Strategic Grants program over the past two years to any university in the Kingdom, as far as we are aware.

During the past year, the National Entrepreneurship Center through The Centennial Fund contracted with Alfaisal University to participate in the Global Entrepreneurship Monitor Project (GEM) which measures baseline data regarding entrepreneurial conditions and activities within participating countries across the globe. The final report concluded that Saudi Arabia scored well in physical and commercial infrastructure, opportunities for start ups, entrepreneurial motivation, societal support, financing availability, and tax policy. The Kingdom did less well with protecting intellectual

property, government programs, supporting female entrepreneurs, non-tax policies, research and development transfer, market entry barriers, and education. Recommendations for improvement for consideration by policymakers and other stakeholders were made in these areas.

In the area of overall research output, Alfaisal University 's 45 faculty members have had a very prolific publication output with 84 refereed journal papers in 2010, and already 48 papers for the first half of 2011. This averages out to about two refereed journal papers per full time faculty member. In addition there were 2 patent applications in 2009 and one in 2010, and 14 books and 22 book chapters published in the last 4 years. This is a very respectable research output for a young university and demonstrates the high quality of its faculty.

Now in its third year, the Research Colloquium had 16 speakers from primarily internal and some external sources over the past nine months. In a related development, the Colleges of Medicine, Engineering, and Science and General Studies have also started up their own college research seminar series with both external and internal speakers.

The Second Annual Student Poster Competition was held in May 2011. First prize went to Engineering, with a tie for second going to two groups from the College of Medicine. The "Research Day" is held to strengthen the vision that research is indeed one of the missions of Alfaisal University. This year's competition which had the theme "*Human Capacity Building*" attracted 21 posters from three colleges.

In the area of research partnerships, three graduate programs have been developed in collaboration with the King Faisal Specialist Hospital and Research Center (KFSHRC). Alfaisal faculty members in the College of Medicine have also started collaborative projects with research staff in the Research Center at the KFSHRC. In particular they are assisting them in their funded projects, and working in their laboratories.

The collaborative effort with KACST has had mixed results. Alfaisal faculty members have been very successful in getting their projects approved in the KACST external funding administered Science & Technology Strategic Grants Competition (e.g. 61% success rate). However, the University not been successful at obtaining KACST internal funding with two submitted projects to the National Water Resources Center being turned down. Several of our students, on the other hand, did do their summer internships in KACST biotechnology laboratories. Furthermore, in early 2011 the new Alfaisal University Vice President and Chief Academic Officer (Provost) met with the Vice President for Research Institutes at to discuss areas for further collaborations.

One of the Alfaisal University faculty members in the College of Science and General Studies is synthesizing and characterizing new graphene membranes which are being tested at KAUST (King Abdullah University for Science and Technology) in the Desalination and Water Reuse Centre (DWRC). In a related development, the collaboration with King Saud University (KSU) is going well. A professor in the College of Engineering has used instrumentation at CEREM (Center of Excellence for Research in Engineering Materials) for surface analysis and characterization. In addition, a faculty member in the College of Science in collaboration with CEREM has submitted a proposal to the KACST Science and Technology Strategic Grants March 2011 competition. Furthermore, a major achievement this past year has been the success of Alfaisal University faculty in the Saudi Aramco University Collaboration Programs (UCP).

BOEING has taken part in several of the Alfaisal University's "*Open Houses*" for prospective students. This has made a positive contribution to the University's image in

the community. Overall the relationship between Alfaisal University and BOEING needs to be nurtured through more effective follow up.

The Sabin Vaccine Institute (Sabin) visited Alfaisal University to determine the feasibility of establishing a Sabin-affiliated vaccine development institute/center in partnership with Saudi institutions.

At the graduate studies level, the MBA program, which accepted its first students in the Fall Semester of 2011, is running well with currently 44 men and women students enrolled. In addition, the Biomedical Sciences Master's program was approved by MOHE (Ministry of Higher Education) in June 2011. This program is a collaborative effort between the Colleges of Medicine, Science and Engineering, as well as the King Faisal Specialist Hospital and Research Center (KFSHRC). Furthermore an MSc program proposal in Genetic Counseling was submitted to MOHE for final approval, and a revised proposal for a MSc in Radiological & Imaging Sciences was submitted to Um Al Qura University for their recommendation.

The Office of Research and Graduate Studies would like to offer a special thanks to all faculty members, administrators and support staff who took part in and assisted in the submission of sponsored research proposals to outside agencies, for their prolific publication record as well as for taking part in and facilitating the Research Colloquium and the Student Research Day Poster Competition. Many thanks to all for a job well done!

In closing, the results have shown significant improvements in research and graduate studies over the past year as indicated by the internal and external funding, the high success rate of our faculty in national research project competitions, the multitude of scientific publications, the new graduate programs, the excellent achievements of our students in the poster competition, and the strong interaction with industry and outside research institutions. However, it is important to point out that a major area of concern is still the deficiency in major research funding actually received by our faculty members, and the need to complete the University buildings so that faculty members can have their research laboratories.

Contents

<i>Results</i>	<i>ii</i>	
<i>Executive Summary</i>	<i>iii</i>	
1. Vision & Mission Statements		1
2. Research		2
2.1. Funding		2
2.1.1. Internal Funding		2
2.1.1.1. Start-Up Funding		2
2.1.2. Sponsored Research		6
2.1.2.1. Saudi Aramco Contracts		6
2.1.2.2. KACST S & T Strategic Grants		8
2.1.2.3. The Centennial Fund (GEM)		8
2.2. Publications		10
2.3. Research Policies and Procedures		11
2.4. Research Colloquium		11
2.5. Student Research Day Poster Competition		12
2.6. Faculty		15
2.7. Research Partnerships		17
2.7.1. KFSHRC		17
2.7.2. KACST		17
2.7.3. KAUST		18
2.7.4. King Saudi University		18
2.7.5. Saudi Aramco		18
2.7.6. BOEING		18
2.7.7. Raytheon		19
2.7.8. Sabine Vaccine Institute		19
2.7.9. SWCC		20
2.8. News & Events		20
3. Graduate Studies		25
3.1. Graduate Programs		25
3.2. Graduate Policies & Procedures		25
3.3. University Research & Graduate Studies Council		26
<i>Appendix A</i>	<i>List of Publications</i>	<i>27</i>

1. Vision & Mission Statements

Our Vision

The Office of Research and Graduate Studies facilitates research and graduate studies at Alfaisal University enabling it to be a leading regional institution that benefits society and that helps to sustain a knowledge-based economy.

Our Mission

Our mission is to support multi-disciplinary research and graduate programs of faculty and students by enhancing the environment for creative scholarly work with the highest levels of quality and integrity, and that stimulate the development of a knowledge-based society.

Specific goals for the Office are:

- Developing an infrastructure and culture that encourages, supports and recognizes research excellence and promotes the involvement of both undergraduate and graduate students in order to assist Alfaisal to become a leading institution that benefits society in the region.
- Establishing effective sustainable research sponsored programs to allow the University to grow and to fulfill its strategic goals.
- Institutionalizing ethical standards and guidelines for all Alfaisal faculty, staff and students to ensure the highest levels of integrity and compliance.
- Developing and encouraging the creation of interdisciplinary research and graduate programs, centers of excellence and research chairs to aid Alfaisal to become a hub of distinction.
- Facilitating commercialization of research outcomes in order to help the country to diversify its economy.

2. Research

2.1. Funding

2.1.1. Internal Funding

2.1.1.1 Start-Up Funding

A payment plan was approved by the King Faisal Foundation (KFF) in the amount of 11.3 million SR over 4 years for closing out all current, committed, Start-Up Funding Projects (Tables 1a and 1b). The funds for the projects are coming from the annual Office of Research Budget which has a 2 million SR allocation for start-ups. In addition to the approved Budget, SR4.26 million has been committed by a member of the Board of Trustees (BoT), to specific research projects, as outlined in a letter, dated 3 January 2011, from the Chairman of the Executive Committee of the Board of Trustees. Assuming that 4.26 million SR from the BoT member will become available, this leaves a balance of $11.3 - 4.26$ million = 7 million SR. The remaining funding of 7 million SR will come from KFF over a 3.5 year period at a rate of 2 million SR per year, consistent with the current annual research budget of SR 2 million. KFF will also carry on the annual start-up funds of 2 million SR in order to meet its research commitments as outlined in the mission statement.

New Policy on Start-up Funding: Start-up funding requests will be processed according to a new policy agreed upon by the Council of Deans and approved by KFF.

- Whatever funding comes in will be divided amongst the Colleges on the basis of a consensus reached by the University Research & Graduate Studies Council, and taking into account the research productivity of the faculty members
- Each College Research Committee will decide on how to divide up the available funds amongst the faculty members with approved Start-up Projects based on research productivity, amount of funding requested and actual need.
- In future, the Provost, Vice President for Administration, Finance and Advancement, College Deans and Vice President for Research must meet before the annual recruitment cycle begins to plan allocation of Start-up Funding (as per the approved policy)

The new policy is flexible and empowers the College Research Committees to distribute the funds on the basis of a consensus. For example the College of Medicine has pooled its start-up funds so that new faculty can also have access to the funds. The Colleges of Engineering and Science & General Studies have primarily kept with their existing approved projects with a small amount designated for new faculty. The success of this plan and policy is dependent on the continuous KFF funding of 2 million SR annually.

A new general research expenses form was also developed to cover different types of funding sources (i.e. internal such as start-up; external such as Kacst Strategic and Saudi Aramco), as well as various expense request areas such as conference travel, publications costs, research personnel (e.g. post-docs & technicians) and research supplies and equipment (Table 2).

Table 1a Start-up Funded Projects Payment Plan by College Over 4 Years

College	Amount (millions SR/yr)				Total
	2010-11	2011-12	2012-13	2013-14	
Medicine	0.70	2.20	0.70	0.37	3.97
Science	0.45	1.41	0.45	0.24	2.55
Engineering	0.82	2.57	0.82	0.43	4.65
Business	0.03	0.79	0.03	0.02	0.14
Total	2.00	6.26	2.00	1.06	11.32

Table 1b: Start-up Funding Projects at Alfaisal University: Plan for payment of 11.3 million SR over 4 years for closing out all current, committed, Start-Up Funding Projects. This assumes that 4.26 million SR from a BoT member will become available, leaving a balance of 11.3 – 4.26 million = 7 million SR. The remaining funding of 7 million SR is requested from KFF over a 3.5 year period at a rate of 2 million SR per year.

College (# faculty with startup projects)	Total Approved Start-up (SR)	Total Spent (1/02/11) (SR)	Total Balance* (SR)	Pay-off Plan							
				YR 2010-2011	Balance at end of 1st year (SR)	2011-2012	Balance at end of 2 nd year (SR)	2012-2013	Balance at end of 3rd year (SR)	2013-2014	Balance at end of 4 th year (SR)
				Avail budget 2,000,000** (17.67%***)		Avail budget 6,260,000** (55.32%***)		Avail budget 2,000,000** (17.67%***)		Avail budget 1,055,428** (9.34%***)	
				Amt (SR) of available budget allocated to each college****					Amt (SR) of available budget allocated to each college****		
Medicine (6 faculty)	4,414,561.75	440,862.39	3,973,699.36	702,350.67	3,271,348.69	2,198,357.59	1,072,991.10	702,350.67	370,640.43	370,640.43	0.00
Science (6 faculty)	2,675,503.00	124,813.71	2,550,689.29	450,833.89	2,099,855.40	1,411,110.07	688,745.33	450,833.89	237,911.44	237,911.45	0.00
Engineering (4 faculty)	5,536,005.00	888,100.62	4,647,904.38	821,516.29	3,826,388.09	2,571,345.98	1,255,042.11	821,516.29	433,525.82	433,525.82	0.00
Business (1 faculty)	168,750.00	25,614.61	143,135.39	25,299.16	117,836.23	79,186.36	38,649.87	25,299.16	13,350.71	13,350.72	0.00
Grand Total (SR)	12,794,819.75	1,479,391.33	11,315,428.42	2,000,000.00	9,315,428.42	6,260,000.00	3,055,428.42	2,000,000.00	1,055,428.42	1,055,428.42	0.00

* Total Approved Start-up - Total Spent = Total Balance

(e.g. for CoM: 4,414,561.75 SR – 440,862.39 SR = 3,973,699.36 SR)

** Available Budget for the year

(e.g. for 2010-2011 the available funding from KFF is 2,000,000 SR)


*** Percentage (Available Budget / Grand Total Balance) x 100 %

(e.g. for 2010-2011: (2,000,000/11,315,428.42) x 100% = 17.67%

**** (Total balance/Grand total balance) x Available budget for the year

(e.g. for YR 2010-2011 and CoM: (3,973,699.36 / 11,315,428.42) x 2,000,000 = 702,350.67 SR)

Table 2: Office of Research and Graduate Studies General Expenses Form

		<h2 style="margin: 0;">Office of Research & Graduate Studies</h2> <p style="margin: 0; font-weight: normal;">RESEARCH PERSONNEL, SUPPLIES & EQUIPMENT, PUBLICATION AND TRAVEL REQUEST FORM</p>	
Emp. ID No:	Employee's Name:.....	Department/Division/College:.....	
Source of Funds	<input type="checkbox"/> External	Travel Expenses Request	
	<input type="checkbox"/> Internal Project No.	<input type="checkbox"/> Estimated (Advance) <input type="checkbox"/> Actual Expenses	
Purpose	<input type="checkbox"/> Publication <input type="checkbox"/> Travel <input type="checkbox"/> Personnel <input type="checkbox"/> Supplies <input type="checkbox"/> Other: (Please Specify)	Travel Type <input type="checkbox"/> International <input type="checkbox"/> Local	Location
	Research Personnel Request		Travel Duration (d/m/y)	No. of Days
		From: /...../.....	To: /...../.....
Position Requested	<input type="checkbox"/> Technician <input type="checkbox"/> Post-Doc <input type="checkbox"/> Other : (Please Specify)	Details	Amount (SR)
Name	.....	Visa Expenses	
Proposed Salary	..... (SR/Year)	Air Ticket Expenses	
Research Supplies & Equipment Request		Accommodation & Food Exp.	
Type	<input type="checkbox"/> Supplies <input type="checkbox"/> Equipment <input type="checkbox"/> Advance	Transport/Travel Expenses	
Total Amount	..... (SR) (Please See Attached for Details)	Registration Expenses – (If Any)	
Publication Cost Request		Other Expenses – (If Any)	
Details		Total Sum :	
Amount (SR)		Advance Paid :	
Submission Charge		Difference :	
Page Charge		Notes/Gov. Rel. Dept. Comments (if any):	
Other – (If Any)			
Total Sum : (Please See Attached for Details)			
Applicant		<i>Signature</i>	<i>Date</i>
Name: .....		.....	...../...../.....
Chair College Research Committee		<i>Signature</i>	<i>Date</i>
Name: .....		.....	...../...../.....
Department Head /College Dean		<i>Signature</i>	<i>Date</i>
Name: .....		.....	...../...../.....
ACADEMIC ADMINISTRATION APPROVAL			
Research & Graduate Studies Office		<i>Signature</i>	<i>Date</i>
Name: .....		.....	...../...../.....
Provost Office		<i>Signature</i>	<i>Date</i>
Name: .....		.....	...../...../.....
FINANCE APPROVAL			
Within Approved Budget		Funds Available	
<input type="checkbox"/> YES <input type="checkbox"/> NO		<input type="checkbox"/> YES <input type="checkbox"/> NO	
Finance Office		Comments:.....	
Name:			
<i>Signature</i> <i>Date</i>/...../.....			
APPROVAL DOCUMENT/S REQUIREMENTS		REIMBURSEMENT DOCUMENT/S REQUIREMENTS	
• Copy of detailed information (supporting documentation) of the research personnel, supplies, publication and travel.		• Original invoices & receipts	
			Form ORGGRE4

2.1.2.Sponsored Research




2.1.2.1 Saudi Aramco Contracts

One of the major achievements this past year has been the success of Alfaisal University faculty in the Saudi Aramco University Collaboration Programs (UCP) (Figures 1 and 2, Table 3). Three out of six research proposals submitted by faculty members at Alfaisal University have been accepted for funding as part of the Saudi Aramco University Collaboration Program (UCP). In response to an invitation by Saudi Aramco, a total of 65 basic and applied research proposals were received from universities in the Kingdom. A rigorous assessment process was employed to recommend proposals for acceptance. A total of 13 research proposals were selected for funding out of these submissions in the 2011 cycle of UCP. The three accepted proposals from Alfaisal University are: Dr. Muhammad Azeem Ashraf for a project in applied mathematics and computational modeling entitled “Wear behavior characterization of Stellite alloys using computational modeling”; Dr. Nadimul H. Faisal for a project in the area of oil to hydrogen and fuel cells entitled “Advance anode materials for direct hydrocarbon proton conducting solid oxide fuel cell (PC-SOFC) in auxiliary power units”; and Dr. Rehan Ahmed for research on “Nano-composite carbide coatings for wear resistant applications”, which has applications in advanced and nano-structured materials.



Figure 1. Alfaisal Faculty Members who were successful in the Saudi Aramco University Collaboration Programs (UCP) LtoR, Dr. Nadimul Haque Faisal, Dr. Rehan Ahmed, Dr. Azeem Ashraf

Table 3 Details of Saudi Aramco Sponsored Research Award Winning Projects

Principle Investigator	Project Title	Proposal Research Area
 Muhammad Azeem Ashraf (CoE)	Wear behavior characterization of Stellite alloys using computational modeling	Applied Mathematics and Computational modeling
 Nadimul Haque Faisal (CoE)	Advance anode materials for direct hydrocarbon proton conducting solid oxide fuel cell (PC-SOFC) in auxiliary power units	Oil to hydrogen and fuel cells
 Rehan Ahmed (CoE)	Nano-composite carbide coatings for wear resistant applications	Advanced and Nano-structured Materials

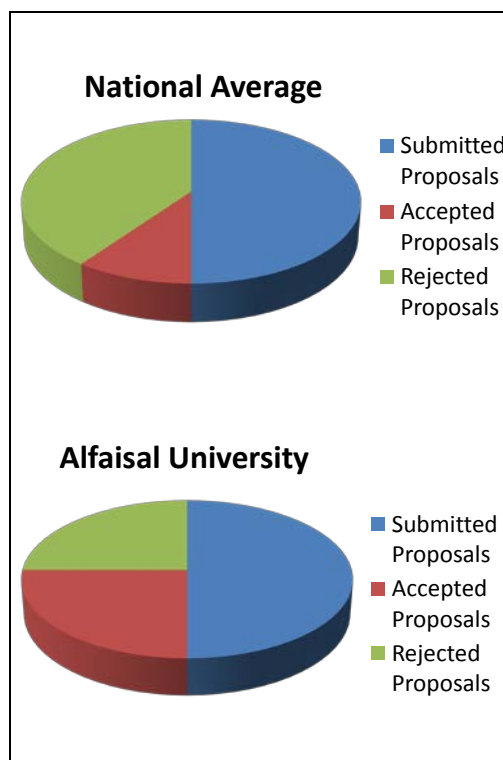


Figure 2 Success rate of Alfaisal University in Saudi Aramco University Collaboration Programs in comparison to national average

2.1.2.2 KACST Science & Technology Strategic Grants

Currently Alfaisal University Faculty Members have 14 approved projects through the KACST Science and Technology Strategic Grants completion (Table 4) adding up to about 23 million SR. A total of 23 projects were submitted in 2009 and 2010 giving Alfaisal University a success rate of 61%, which according to our understanding is the highest success rate in the Kingdom. In March 2011 an additional five projects (i.e. 3 new and 2 re-submissions) were submitted to the same program. These proposals are still under the review process by AAAS (American Association for Advancement of Science). Overall, KACST has been very timely and professional in the review process for the submitted proposals.

While we are proud of our faculty for the high success rate, a continuing problem continues to be the Ministry of Finance which has not as yet released any funds for the Strategic Grants program over the past two years to any university in the Kingdom, as far as we are aware. We can argue that this is affecting the ability of the University to retain our research oriented faculty as well as the ability of the country to achieve its strategic goals as outlined in Vision 20/20.

2.1.2.3 The Centennial Fund and The Global Entrepreneurship Monitor (GEM) Assessments of the Entrepreneurial Sector

During the year 2010-2011, the National Entrepreneurship Center through The Centennial Fund contracted with Alfaisal University to participate in the Global Entrepreneurship Monitor Project (GEM) which measures baseline data regarding entrepreneurial conditions and activities within participating countries across the globe. The final report concluded that Saudi Arabia scored well in physical and commercial infrastructure, opportunities for start ups, entrepreneurial motivation, societal support, financing availability, and tax policy. The Kingdom did less well with protecting intellectual property, government programs, supporting female entrepreneurs, non-tax policies, research and development transfer, market entry barriers, and education. Recommendations for improvement for consideration by policymakers and other stakeholders were made in these areas.

The partnership between The Centennial Fund, under the leadership of Mrs. Munira Al-Ghamdi, Manager of the National Entrepreneurship Centre, and Alfaisal University represents for the second consecutive year that the Kingdom of Saudi Arabia has participated as a member of the GEM consortium. Over the course of the year data was collected in the form of an Adult Population

Table 4: KACST Science & Technology Strategic Grants Research Proposals by Alfaisal University Faculty Members 2009-2011. Only approved (i.e. recommended (R) & highly recommended (HR)) and under review (IP) proposals are listed.

PI	Proposal Code	Proposed Project Title	Amt Req SR	Prg/ Strat Area	Status *
2011					
Zhao Yong	10-ENE1133-44 Res	Adv study of aerodyn & fluid-struct interaction of wind turbines	2,019,750	Energy	IP
A. A. Mohamad	10-NAN1124-44 Res	Effect of Temp Gradient on Press Driven Water Flow in Carbon Nanotubes	1,449,000	Nanotechnology	IP
Hisham Abad	New	Surf Mod of Tit Alloys for Enhanced Bone Growth & Tissue Adh in Orth & Dent Appls	2,001,719	Adv Materials	IP
Peter R. Kviety	New	Role of T cells in LPS-induced lung inflammation & dysfunction	2,000,000	Medical & Health	IP
Solomon S. Senok	New	Investigating use of auditory brainwave entrainment to alleviate acute sleep deprivation	1,440,500	Medical & Health	IP
Subtotal			8,910,969		<i>under review</i>
2010					
Rehan Ahmed	10-ADV1128-44	Acoustic Emission Monitoring of Thermal Spray Coatings for Orthopedic Implant & Man. Appl.	1,784,000	ST/Adv Mat	R
Edreese Alsharaeh	10-NAN1127-44	Synthesis and characterization of polymer nanocomposites via gas phase polymerization	1,690,000	ST/ Nanotech	R
Ahmed Yaqinuddin	10-BIO1132-44	Using Micro-RNAs as Biomarkers for Diagnosing Prostate Cancers	1,669,375	ST/Biotech	R
Tianzheng Yu	10-BIO1129-44	Mitochondrial Fission and Pancreatic β -Cell Apoptosis in Type 2 Diabetes	1,834,000	ST/Biotech	HR
Abdallah Shami	10-INF1126-44	Integrated Broadband Access Networks	1,531,000	ST/ IT	R
Yogi Erlangga	10-MAT1122-44	Multilevel methods for saddle point problems in fluid flows & seismic imaging with PDE constr. opt.	1,959,150	ST/ Math&Phys	HR
Subtotal			10,467,525		<i>approved</i>
2009--					
Ali Khraibi	09-MED637-44	Renal and Cardiovascular Adaptations to Hypertensive Pregnancy	2,426,000	ST/ Biotech	R
Bernhard Juurlink	09-MED636-44	Phase two Protein Induction sirt1 and Gluconeogenesis	1,088,525	ST/Biotech	HR
Paul Ganguly	09-MED638-44	Role of Brain Amino Acids: Acids Function in Hyperhomocysteinemia	777,000	ST/Biotech	R
Paul Ganguly	09-BIO811-44	Preventing Cardiovascular Disease: Using Nutraceuticals as Nutritional Interventions	1,971,300	ST/Biotech	HR
Abdallah Shami	09-INF814-44	Modeling and Optimization of Concurrent Multipath Transfer over Wireless Links	1,179,000	ST/ IT	R
Hazbo Skoko	09-INF815-44	Dev & Evaluation of ICT Models of Adoption & Use in Saudi Arabian SMEs	1,718,000	ST/ IT	R
Tianzheng Yu	09-BIO813-44	Mitochondrial Dynamics in Diabetic Nephropathy	1,966,400	ST/ Biotech	HR
Ahmed Yaqinuddin	09-BIO812-44	Identification of diagn & progn markers for bladder cancer through whole genome methylation	1,320,125	ST/ Biotech	HR
Subtotal			12,446,350		<i>approved</i>
GRAND TOTAL APPROVED			22,913,875		

*HR highly recommended; R recommended; NR not recommended; IP in progress; F funded

Survey administered to over 2000 random Saudi residents by an outside contractor and a National Expert Survey administered by the Saudi GEM team to 36 individuals with expertise regarding entrepreneurship in Saudi Arabia. The team analyzed the data and produced a 110 page study, authored by Dr. Hazbo Skoko, Dr. Norman Wright and Dr. Ricardo Santa, of entrepreneurial activities and conditions within the Kingdom of Saudi Arabia.

2.2. Publications

Alfaisal University 's 45 faculty members have had a very prolific publication output with 84 refereed journal papers in 2010, and already 48 papers for the first half of 2011. This averages out to about two refereed journal papers per full time faculty member. In addition there were 2 patent applications in 2009 and one in 2010, and 14 books and 22 book chapters published in the last 4 years (see Figures 3-5, Table 5 and Appendix A). This is a very respectable research output for a young university and demonstrates the high quality of its faculty.

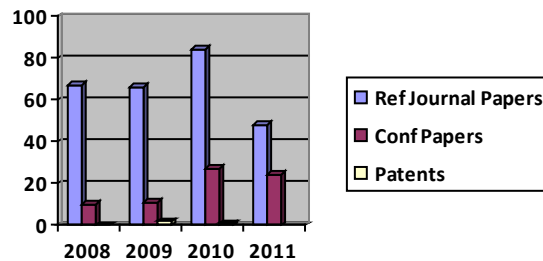


Figure 3. Journal & Conference Papers and Patents (as of June 2011)

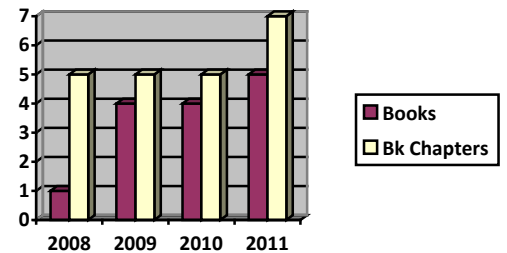


Figure 4. Books and Book Chapters (as of June 2011)

Table 5. Research Output

	Yr	2008	2009	2010	2011*
Ref Journal Papers		67	66	84	48
Conference Papers		10	11	27	24
Patents		0	2	1	0
Books		1	4	4	5
Book Chapters		5	5	5	7
Invited Speaker		1	22	15	5
Conf Abstracts		6	12	10	7
Conf Attended		2	12	8	5

* as of June 2011

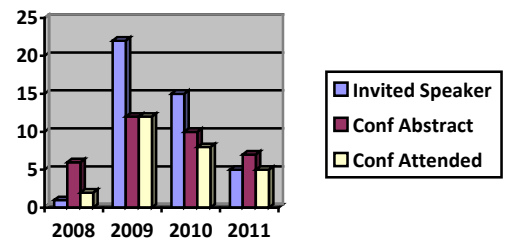


Figure 5. Invited Speaker, and Conference Abstracts & Attendance

2.3. Research Policies & Procedures

Research Policies & Procedures have been updated. The second edition can be found on the Alfaisal Web site ([policies and procedures](#))

2.4. Research Colloquium

Now in its third year, the Research Colloquium had 16 speakers from primarily internal and some external sources over the past nine months. The aims of the lecture series include: sharing research areas of interest; facilitating research outreach via face to face meetings with government, industry and private sectors; and promoting research collaboration and initiatives within Alfaisal, KSA, the Region and the World. The Colloquium takes place on Campus on alternate Wednesdays (Table 6). In a related development, the Colleges of Medicine, Engineering, and Science and General Studies have also started up their own college research seminar series for both external and internal speakers. As a result the Research Colloquium in the coming academic year (i.e. 2011-2012) will focus on having external speakers on a monthly basis.

Table 6. Research Colloquium Schedule for 2009-2010.

DATE	SPEAKER	TITLE
13 Oct/10	Alfaisal Students	Pushing Back the Walls of Ignorance
27 Oct/10	Dr. Simon Hull Assistant Professor of English Email: shull@alfaisal.edu Tel: 215-7734	'The Sweet Security of Streets': The Essay, Domesticity and the Metropolis
10 Nov/10	Mr. Ralf Schiffer /CEO Fraport SA/ MD KKIA Email: r.schiffer@fraport.com.sa Dr. Saeed Ghanam /KKIA Dir Strat Planning	Balanced Score Card (BSC) as a tool to change from administration / government management of Small Business Unit (SBU) management
1 Dec/10	Dr. Kamal Al Haddad, Prof. of Electrical Engineering Email: khaddad@alfaisal.edu Tel: 215-7758	Power Quality & Future Energy Challenges Under High Level of Renewable Energy Penetration Into the Utility Network
15 Dec/10	Dr. Earl Naumann , Professor, College of Business Email: enaumann@alfaisal.edu	Customer Loyalty Research
22 Dec/10	Dr. Hacene Mahmoudi , University of Chlef, Algeria Email: usto98@yahoo.fr	Water Desalination using Renewable Energy
29 Dec /10	Dr. Ahmad Yaqinuddin , Assist Prof. Medicine Email: AYaqinuddin@alfaisal.edu Tel: 215-7669	Role of DNA methylation in prostate cancer
12 Jan/11	Dr. Mohammed Kafaji , Dir IT Dept, Adj Prof Bus. Email: mkafaji@alfaisal.edu Tel: 215-7900	Classroom Educational Technologies: Necessity or an Overhead
18 Feb/11	Dr. Ghaleb Rababah , Assist. Prof. of English Email: grababah@alfaisal.edu Tel:	Strategies of Repair used by Native & Non-Native Speakers of English
4March /11	Dr. Zhao Yong , Associate Prof. of Mechanical Eng Email: ZYong@alfaisal.edu Tel: 215-7755	High Performance Computation of Fluid-structure Interaction and its Engineering Applications
18March/11	Dr. Bruce Budd , Assoc Prof. , College of Business Email: bbud@alfaisal.edu Tel:	Business TBD
1 April/11	Dr. Moni Nader , Assist Prof Physiology Email: Mnader@alfaisal.edu # 215-7800	Assessment of Cardiac Function in Small Animals: Challenges and Limitations
22April/11	Dr. Ronald Bulbulian Email: Rbulbulia@alfaisal.edu Tel: 215-7610	Science TBD
6 May/11	Dr. Abdulmajeed Mohamad , Prof. of Mech. Eng. Email: AMohamad@alfaisal.edu Tel: 215-7768	Nano to Macro Scale Transport Phenomena Simulations, Lattice Boltzmann Method.
20 May /11	Dr. Ricardo Santa , Assist. Prof, College of Bus. Email: rsanta@alfaisal.edu Tel:	Business TBD
3 June/11	Dr. Solomon Senok , Assist Prof of Physiology Email: ssenok@alfaisal.edu	How Merkel Cells Transduce the Sensation of Touch

2.5. Student Research Day Poster Competition

The Second Annual Student Poster Competition was held on Wednesday 11 May 2011 at Alfaisal University. First prize went to Engineering (Figure 6), with a tie for second going to two groups from the College of Medicine (Figures 7 and 8). One of Alfaisal University's priorities is competence building by helping to develop a student's intellectual abilities through involvement in focused research that addresses real community problems. The "Research Day" is held to strengthen the vision that research is indeed one of the missions of Alfaisal University. This year's competition which had the theme "*Human Capacity Building*" attracted 21 posters from three colleges (Medicine, Engineering and Science & General Studies) (Table 7). Students presented their research activities/ proposals/ future programs (Figures 9-11). Special thanks go out to the faculty members who acted as judges for the competition. The Dean for Student Affairs, Dr. Mohammed Alowayed, and Then college Deans handed out the awards to the winners as well as certificates of appreciation to all participants.



Figure 6. 1st Prize (L-R) Muhammad H. Alrazaz and Naif M. Ghazal, College of Engineering, *Intelligent Water Level Indicator Device*



Figure 7. 2nd Prize (tied for second) (L-R) Mohamed Diya Sabbagh, AbdulAziz AlKattan, Karam Hamweyah, Ahmed Alshibi, Osama Abou Saleh, Khalid Alshehri, College of Medicine, *Bokhour: an Evaluation of a Prestigious Saudi Custom*



Figure 8. 2nd Prize (tied for second) (L-R) Asem Elhossainy, Saeb Hashish, Nasir Nisar Arain, Amr Elhossainy, Mohammed Dahlawi, Abdallah Al-Ahaideb (missing), College of Medicine, *Alfaisal University & Stress Level: A Comparative Study in Riyadh*



Figure 9. Khaled bin Bander AlSaud from the College of Science & General Studies explaining his poster entitled “*Synthesis and Characterization of Graphene and Graphene Containing Metal Nanoparticles*”

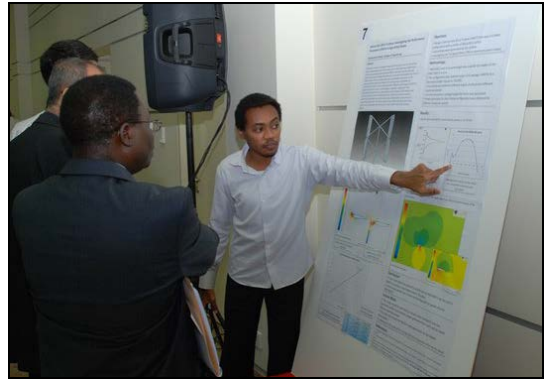


Figure 10. Mohamed ElAmeen from the College of Engineering describing his work on “*Vertical Axis Wind Turbines: Investigating the Performance Parameters of NACA 4-Digit-Airfoil Blades*”



Figure 11. Mohanad Mahgoub and Sultan Almdallaleh from the College of Medicine answering questions from faculty judges on their poster “*Gum Arabic: More Than a Traditional Remedy*”

Table 7 Participants in Second Annual Student Poster Competition 11 May 2011 Alfaisal University

Poster	Authors	Poster Title	College
1	Mohammad Adeeb Sebai, Khaled Ali Alsibai, Abdulmounem Mohammed Yassin-Kassab, Asim Ibrahim Mahmod, Asem Omar Daghistany	Sports Medicine	Medicine
2	Ziad El-Sawah	Fluid Flow Over a Propeller-Driven UAV	Engineering
3	Azhar FAROOQUI, Amr Jijakly, Sultan Bahatheq, Raid Albar, Hassan Mandeel, Abdulhameed Baddawi	Impact of Unconcealed Traffic Cameras on the Prevalence of Accident Related CNS Injuries in the City of Riyadh	Medicine
4	Mohanad Mahgoub and Sultan Almdallaleh	Gum Arabic: More Than a Traditional Remedy	Medicine
5	Karam Hamweyah, AbdulAziz AlKattan, Mohamed Diya Sabbagh, Khalid Alshehri, Osama Abou Saleh, Ahmed Alshibi	Bokhour: An Evaluation of a Prestigious Saudi Custom	Medicine
6	Abdulhameed AlMaarik, Abdulwahab Alfraih, Mohammed Khalid	Magnetic Elevators: A Look into the Future	Engineering
7	Mohamed ElAmeen	Vertical Axis Wind Turbines: Investigating the Performance Parameters of NACA 4-Digit-Airfoil Blades	Engineering
8	Tawfik Abou Assale Abdullah Al Amiri, Arif Abdulbaki, Mohamed Diya Sabbagh, Qais S. Saleh	A Preliminary Bioinformatic Analysis of the Septin Gene Promoters	Medicine
9	Abdallah Al-Ahaideb, Saeb Hashish, Nasir Nisar Arain, Amr Elhossainy, Asem Elhossainy and Mohammed Dahlawi	Alfaisal University & Stress Level: A Comparative Study in Riyadh	Medicine
10	Afsan Bin Farid, Mohammed Amer Swid , Arif AbdulBaki, Mohannad Maghoub	Can you improve your memory using red light?	Medicine
11	Bilal J. Alturkmani, Osama M. Abosaleh, Mohamad K. Bakro	The Effect of Mitochondrial Morphology on its Function	Medicine
12	Qais S. Dirar, Eyad Tamim Marashli, Nour Eddin Farouq Alshaaer, Adel Helmi	Body Dysmorphic Disorder	Medicine
13	Afsan Bin Farid, Abdulaziz Binaqail, Ahmad Mohammed Alshihri	Sleep deprivation and its effect on performance of medical residents and interns in Riyadh, KSA	Medicine
14	Anas Mouaz Al Refaie, Badeea Ferdaous Alferdaous Alazem, Usamah Mohammed Ajmal	Energy Harvesting Shoes Using Magnetic Induction	Engineering
15	Anas Al-Rifai	Wireless energy transfer	Engineering
16	S.M. Naqi Haider Rizvi	Piezoelectric Effect in Electricity Generation	Engineering
17	Motaz N. Alyafi, Abdulhadi A. AlAmodi	Abdominal Aortic Aneurysm with Extensive Intracardiac Thrombus Formation: A Rare Finding in A Cadaver at Alfaisal University	Medicine
18	Naif M.Ghazal, Muhammad H.Alrazaz,	Intelligent water level indicator device	Engineering
19	A'man Inayah, Ahmed AbuZaid, Naser Ahmad, Azhar Farooqi, Dana Bakheet, Nduna Dzimiri	Decoding the Signalling Network of the Scaffold Protein Striatin and its Role in Cardiac Function	Medicine
20	Ahmed Abdelaal, Almutassem Kazkaz, Mohammed Alhamed, Sami Alazem, Motaz Chamseddin, Yahya Firoze and Hassan Rahmatullah.	What language of instruction would contribute most to the education of medical doctors in the Arab world: English or Arabic?	Science
21	Khaled bin bander AlSaud	synthesis and characterization of graphene and graphene containing metal nanoparticles	Science

2.6. Faculty

The Office of Research and Graduate Studies would like to offer a special thanks to all faculty members, administrators and support staff who took part in and assisted in the submission of sponsored research proposals to outside agencies, for their prolific publication record as well as for taking part in and facilitating the Research Colloquium and the Student Research Day Poster Competition (Table 8). Congratulations on a job well done!

Table 8. Faculty List

<u>Dr. Faisal Al Mubarak</u> Vice President & Chief Academic Officer "Provost"	<u>Dr. Ahmad Sulaiman Al-Obaid</u> Prof of Economics Vice President Advancement, Finance, & Admin.
<u>Dr. Ronald Bulbulian</u> Vice Provost for Academic Affairs	<u>Dr. Khaled Al Kattan</u> Dean & Professor of Surgery College of Medicine Acting Vice President for Advancement
<u>Dr. Norman K. Swazo</u> Interim/Acting Dean, College of Science & General Studies, Professor of Philosophy and Biomedical Ethics	<u>Dr. Abdulmajeed Mohamad</u> Acting Dean of College of Engineering Professor of Mechanical Engineering
<u>Dr. Earl Naumann</u> Acting Dean College of Business Director, CoB & MBA	<u>Dr. Mattheus (Theo) F. A. Goosen</u> Associate Vice President for Research & Graduate Studies
College of Business	
<u>Dr. Dennis P. Greer</u> Professor of Accounting and Management Information Systems, College of Business	<u>Dr. Mohammed Kafaji</u> Assistant Professor of MIS and Project Management College of Business
<u>Dr. Bruce Budd</u> Associate Professor College of Business	<u>Dr. Ricardo Santa</u> Assistant Professor College of Business
<u>Dr. Hazbo Skoko</u> Assistant Professor of Economics & Finance College of Business	
College of Medicine	
<u>Dr. Bernhard H. J. Juurlink</u> Professor of Anatomy & Cell Biology College of Medicine	<u>Dr. Pallab (Paul) K. Ganguly</u> Professor of Anatomy College of Medicine
<u>Dr. Ali A. Khraibi</u> Professor of Physiology College of Medicine	<u>Dr. Peter Kvietys</u> Professor of Physiology College of Medicine
<u>Dr. Ronald Edmond De Meersman</u> Professor of Physiology College of Medicine	<u>Prof. Mohammad Hasan Rajab</u> Assoc. Prof. of Biostatistics, Epidemiology, Community & Public Health College of Medicine
<u>Dr. Wael Al-Kattan</u> Assoc. Prof. & Consultant of Surgery, Vice Dean of Academic & Student Affairs,	<u>Dr. Tianzheng Yu</u> Associate Professor of Physiology College of Medicine
<u>Dr. Dileep Kumar Rohra</u> Associate Professor of Pharmacology College of Medicine	<u>Dr. Ahmed Yagiuuddin</u> Assistant Professor of Anatomy & Cell Biology College of Medicine
<u>Dr. Moni Nader</u> Assistant Professor of Physiology College of Medicine	<u>Dr. Solomon S. Senok</u> Assistant Professor, Neuroscience College of Medicine
<u>Dr. Abiola Catherine Senok</u> Assistant Professor, Microbiology and Immunology College of Medicine	<u>Dr. Shoukat Ali Arain</u> Senior Lecturer of Pathology College of Medicine

<u>Dr. Nasir Ali Afsar</u> Senior Lecturer of Pharmacology College of Medicine	<u>Dr. Aftab Ahmed Shaikh</u> Senior Lecturer Anatomy College of Medicine
<u>Dr. Sheikh Yaesh</u> Lecturer, Pharmacology College of Medicine	<u>Dr. Muhammad Faisal Ikram</u> Lecturer College of Medicine
<u>Dr. Bibi Kulsoom</u> Lecturer of Biochemistry College of Medicine	<u>Dr. Santosh Kumar</u> Lecturer of Pathology College of Medicine
College of Science & General Studies	
<u>Dr. Alexander Kouzmenko</u> Professor of Molecular Biology College of Science and General Studies	<u>Dr. Richard Alexander Arnold</u> Professor of English, Director of English Studies College of Science and General Studies
<u>Dr. Hisham H. Abad</u> Professor of Physics College of Science and General Studies	<u>Dr. Jalal Karam</u> Director and Associate Professor of Mathematics, College of Science and General Studies
<u>Dr. Ghaleb Ahmed Rabab'ah</u> Associate Professor of English College of Science and General Studies	<u>Dr. Simon Hull</u> Assistant Professor of English Literature, College of Science and General Studies
<u>Dr. Yogi Ahmad Erlangga</u> Assist. Professor of Mathematics College of Science and General Studies	<u>Dr. Edreese H. Alsharaeh</u> Assistant Professor of Chemistry College of Science and General Studies
<u>Dr. Samer Mansour</u> Assistant Prof. of Mathematics College of Science and General Studies	<u>Shahnawaz Ahmed</u> Instructor, College of Science and General Studies
Gary Fitt Principal Instructor College of Science and General Studies	<u>Ali Othman</u> Laboratory Instructor College of Science and General Studies
College of Engineering	
<u>Dr. Rehan Ahmed</u> Professor of Mechanical Engineering College of Engineering	<u>Dr. Gilles Cormier</u> Professor of Industrial Engineering College of Engineering
<u>Dr. Zhao Yong</u> Associate Professor of Mechanical Engineering College of Engineering	<u>Dr. Abdullah Shami</u> Associate Professor of Electrical Engineering College of Engineering
<u>Dr. Muhammad Azeem Ashraf</u> Senior Lecturer of Mechanical Engineering, College of Engineering	<u>Khalid Walid Haj Ahmed</u> Principal Instructor, College of Engineering
<u>Kaleem Mahmood</u> Principal Instructor College of Engineering	<u>Dr. Nadimul Haque Faisal</u> Research Associate and Lecturer College of Engineering
<u>Mohammed Jameeluddin</u> Instructor College of Engineering	<u>Kaushik Parmar</u> Instructor College of Engineering
<u>Muhammed Furkan Uzar</u> Instructor College of Engineering	<u>Ahmad Ali</u> Instructor College of Engineering
<u>Muhammad Hammad Akmal</u> Instructor College of Engineering	

2.7. Research Partnerships

2.7.1. KFSHRC

Three graduate programs have been developed in collaboration with the King Faisal Specialist Hospital and Research Center (KFSHRC). They are in various stages of approval. It is a pleasure to report that the Biomedical Sciences Master's (M.Sc.) Program was approved by MOHE (Ministry of Higher Education) in June 2011. A M.Sc. program in Genetic Counseling has also been reviewed and recommended by Um Al-Qura University (UQU) that it meets the requirements for graduate programs at Saudi Universities. This program has been sent to MOHE for final approval. Finally a M.Sc. program in Radiological & Imaging Sciences is still under review by UQU.

Alfaisal faculty members in the College of Medicine (e.g. Dr. Moni Nader and Dr. Ahmad Yaqinuddin) have started collaborative projects with research staff in the Research Center at the KFSHRC. In particular they are assisting them in their funded projects, and working in their laboratories.

2.7.2. KACST

The collaborative effort with KACST has had mixed results. Alfaisal faculty members have been very successful in getting their projects approved in the KACST external funding administered Science & Technology Strategic Grants Competition (e.g. 14 projects approved out of 23 submitted giving a 61% success rate). However, we not been successful at obtaining KACST internal funding with two submitted projects to the National Water Resources Center being turned down in 2009-2010.

In an effort to enhance research collaboration between KACST-NRERI (Natural Resources & Environmental Research Institute) and Alfaisal University, a successful monthly seminar series was held in 2009-2010 with the venue alternating between the two institutions. Speakers alternated between Alfaisal University Faculty and NRERI Research Staff. Faculty and staff started to interact on specific research projects and proposals. On the other hand, our attempts to further improve the interaction by the creation of focus groups in strategic research areas of interest to both parties have not as yet been achieved. Though, several of our students did do their summer internships in the biotechnology laboratories at the NRERI.

In January of 2011 the new Alfaisal Provost, Dr. Faisal Al Mubarak, met with Dr. Turki Al-Saud the Vice President for Research Institutes at KACST. The aim of the meeting was to give an overview of Alfaisal University as well as to discuss areas for further collaborations. It was agreed that support would be provided in the use of KACST laboratories, training of staff, student internships, joint conferences & workshops, outreach projects, enroll KACST staff in AU Graduate programs, KACST assistance in evaluating research projects & faculty promotions, reviewing of AU academic programs, and establish joint research focus groups

2.7.3. KAUST

One of the Alfaisal University faculty members in the College of Science and General Studies, Dr. Edreese Alsharaeh, is synthesizing and characterizing new graphene membranes in his laboratory. These novel membranes are being tested at KAUST (King Abdullah University for Science and Technology) in the Desalination and Water Reuse Centre (DWRC).

2.7.4. King Saud University

The collaboration with King Saud University (KSU) is going well. Dr. Rehan Ahmed, a professor in the College of Engineering has used instrumentation at CEREM (Center of Excellence for Research in Engineering Materials) in the Department of Mechanical Engineering at King Saud University, for surface analysis and characterization. In addition, Dr. Hisham Abbad in collaboration with CEREM has submitted a proposal entitled "*Surface Modification of Titanium Alloys for Enhanced Bone Growth & Tissue Adhesion in Orthopaedic & Dental Applications*" to the KACST Science and Technology Strategic Grants Competition in the March 2011 competition.

2.7.5. Saudi Aramco

A major achievement this past year has been the success of Alfaisal University faculty in the Saudi Aramco University Collaboration Programs (UCP). Three out of six research proposals submitted by faculty members at Alfaisal University have been accepted for funding as part of the Saudi Aramco University Collaboration Program (UCP). In response to an invitation by Saudi Aramco, a total of 65 basic and applied research proposals were received from universities in the Kingdom. A rigorous assessment process was employed to recommend proposals for acceptance. A total of 13 research proposals were selected for funding out of these submissions in the 2011 cycle of UCP. The three accepted proposals from Alfaisal University are: Dr. Muhammad Azeem Ashraf for a project in applied mathematics and computational modeling entitled "Wear behavior characterization of Stellite alloys using computational modeling"; Dr. Nadimul H. Faisal for a project in the area of oil to hydrogen and fuel cells entitled "Advance anode materials for direct hydrocarbon proton conducting solid oxide fuel cell (PC-SOFC) in auxiliary power units"; and Dr. Rehan Ahmed for research on "Nano-composite carbide coatings for wear resistant applications", which has applications in advanced and nano-structured materials.

2.7.6. BOEING

BOEING has taken part in several of the Alfaisal University's "*Open Houses*" for prospective students. This has made a positive contribution to the University's image in the community. A draft proposal was also prepared describing the "Mechanisms for Collaboration between the BOEING Company and Alfaisal University" The Company is interested in promoting research and education (e.g. establishing Research Chair. There is a possibility for BOEING to support a student internship program that is focused on real world industry problems. BOEING will contribute to the Executive Lectures Series that is held by College of Business, by sending

speakers from their side to interact with students. Overall the relationship between Alfaisal University and BOEING needs to be nurtured more effectively through better follow up.

2.7.7. Raytheon

The University and Raytheon believe that collaboration is crucial in achieving the Kingdom's Vision to obtain the scientific and technical knowledge needed for the country to achieve a better quality of life and to allow for sustained development through diversification. Alfaisal University is actively seeking such collaboration and is pleased to work with a world renowned company such as Raytheon in strategic priority areas of mutual interest including, for example the establishment of a *Technology Innovation Center* at Alfaisal University. The areas of collaboration are focused on renewable energy and advanced materials in order to enable such sectors. There are different mechanisms of collaboration such as Technology Innovation Centers (TIC), joint workshops, R&D projects and staff training.

Raytheon is a large, multinational company with expertise in technology & industrial innovation, systems engineering & integration, training and total-life solutions that ensure No-Doubt™ performance, among other areas. Raytheon desires to continue to expand the mutually beneficial relationship it enjoys with the Kingdom of Saudi Arabia, to participate in the growing economy of the region, and to establish effective channels to serve the rapidly growing markets in Saudi Arabia and the surrounding region.

2.7.8. Sabine Vaccine Institute

A Sabin delegation comprised of Michael Marine, Peter Hotez, and William Morrison (Trinity Group, London) visited scientists and potential donors in Riyadh in April 2011. The purpose of the visit was to determine the feasibility of establishing a Sabin-affiliated vaccine development institute/center in partnership with Saudi institutions.

Sabin Vaccine Institute (Sabin) is a non-profit, 501(c) (3) organization made up of scientists, researchers, and advocates dedicated to reducing needless human suffering from vaccine preventable and neglected tropical diseases (<http://sabin.org/about-us>). Sabin works with governments, leading public and private organizations, and academic institutions to provide solutions for some of the world's most pervasive health care challenges. Since its founding in 1993 in honor of the oral polio vaccine developer, Dr. Albert B. Sabin, the Institute has been at the forefront of efforts to control, treat, and eliminate vaccine preventable and neglected tropical diseases by developing new vaccines, advocating use of existing vaccines, and promoting increased access to affordable medical treatments.

During their visit, it was agreed that the first step should be to draw up an MOU between AFU, KFSH and Sabin to establish an "Institute for Vaccine Development (IVD)." Projects could then begin with modest internal funding, but quickly this should move to a R\$100 million grant proposal to KACST, which lists "vaccine development" as one of its ten key objectives. The Saudi participants also predicted that the Islamic Development Bank

and the World Islamic Organization would fund IVD programs, including clinical trials that would benefit Muslims in developing countries.

There are three key institutions involved, each with links to the patronage of the family of Prince Turki Al Faisal: Alfaisal University (AFU), King Faisal Specialist Hospital & Research Centre (KFSH), and King Faisal Foundation (KFF). In addition, three other institutions are likely to play critical roles: Ministry of Health (MOH), Kingdom of Saudi Arabia, King Abdul Aziz City of Science and Technology (KACST), and Arabio, a cGMP vaccine manufacturing facility in Mecca,

2.7.9. SWCC

Training courses have been proposed for Saline Water Conversion Corporation (SWCC) staff to be run in English by Alfaisal University faculty as well as desalination experts from outside the country. In addition, the development of the Alfaisal undergraduate curriculum is described through enrichment of courses with case studies from SWCC as well as a proposed internship training program for students at SWCC facilities.

The SWCC is a Saudi government corporation that is responsible for desalinating sea water, in order to supplement the supply of potable water to arid coastal and inland cities in the Kingdom. The amount of desalinated water produced by the SWCC's 30 plants in 2007 was 1,066 million cubic meters. The Corporation is also the second largest electrical power producer in the Kingdom.

2.8. News & Events

A total of 21 research and graduate studies related news and events articles were published on the Alfaisal web site over the past academic year. Items covered included lectures, seminars, workshops, site visits and new graduate programs.



Alfaisal University Research Proposals Accepted for Funding as part of Saudi Aramco University Collaboration Program (UCP)

Three out of six research proposals submitted by faculty members at Alfaisal University have been accepted for funding as part of the Saudi Aramco >>> [Read More](#)



Research Day: Second Annual Student Poster Competition

One of Alfaisal University's priorities is competence building by helping to develop a student's intellectual abilities through involvement in focused research that addresses...>>> [Read More](#)



Professional Ethics in a Globalized World

Dr. Norman K. Swazo, Interim/Acting Dean and Professor of Philosophy and Biomedical Ethics, and Dr. Muhammad Haris, Assistant Professor of Philosophy... >>> [Read More](#)



Innovation is the key to change

Innovation is the key to change, improve and succeed; and innovation is what Alfaisal Breast Cancer Team (ABCT) holds as a motto. ABCT is a group of four students (Akram Nurhussien, Mohannad Abou Saleh, Sadek Obeidat.. >>> [Read More](#)



Diabetes, Stroke and Hyperhomosysteinemia: the Missing Link

Another international achievement was added to the list of the College of Medicine at Alfaisal University. The research team, led by Dr. Paul Ganguly, Professor of Anatomy, in >>> [Read More](#)



Textbook Error Detectors

Most medical students have difficulty just learning what is in their textbooks. Many of Alfaisal medical students have learned the material so well that they have developed into "Textbook Error Detectors". After having these errors pointed out to them, the authors have agreed to correct them. >>> [Read More](#)



Alfaisal Physicist is selected to consult the Saudi Team for the International Physics Olympiad

Dr Hisham Abad, Professor of Physics in the College of Science and General Studies, has been selected by the Saudi International Physics Olympiad supported by the Ministry of Education. >>> [Read More](#)



Alfaisal Anatomy & Cell Biology Professor has Research Papers Accepted in International Journals.

Dr. Bernhard H.J. Juurlink, Professor of Anatomy & Cell Biology at the College of Medicine, Alfaisal University recently had two research papers accepted in International medical journals. >>> [Read More](#)



College of Medicine Students Research Abstract Accepted for DALM

Ahmad Adi, a third year medical student at Alfaisal, recently received acceptance of a research abstract he was participating in the XVII International Symposium on Drugs Affecting Lipid Metabolism (DALM). The DALM, which is going to be held in Doha, Qatar, >>> [Read More](#)



Alfaisal Faculty Member Invited to Contribute an Article on Gas-Phase Polymerization

Dr. Edreese Alsharaeh, Assistant Professor of Chemistry in the College of Science and General Studies, has been invited to contribute an article on the topic of Gas-Phase >>> [Read More](#)



AAAS Core Laboratory Facilities Site Visit to Alfaisal University

A core laboratory facilities site visit team from the AAAS (American Association for the Advancement of Science) met with Alfaisal University students and faculty on >>> [Read More](#)



Research Collaboration on Applications of Renewable Energies for Water Desalination

Two scientists from the University Hassiba ben Bouali of Chlef in Algeria, Dr. Hacene Mahmoudi and Dr. Nawel Spahis, visited Alfaisal University in December 2010. >>> [Read More](#)



Best Paper Award from the American Society of Mechanical Engineers (ASME)

A Professor in the College of Engineering at Alfaisal University, Dr Rehan Ahmed, has received the Best Paper Award from the American Society of Mechanical Engineers (ASME), Journal of Tribology. >>> [Read More](#)



Research Abstract Presented in Annual Meeting of American Society for Cell Biology

Hani Jamal Alturkmani, a 3rd-year student in College of Medicine, submitted his molecular biology research abstract to the American Society for Cell Biology (ASCB) last October. After being accepted the research abstract >>> [Read More](#)



Alfaisal University Launches MBA Program

Building on the esteemed portfolio of undergraduate courses in Business, Engineering, Medicine and Science & General Studies, Alfaisal University announced the launch of its first post graduate program; The Alfaisal MBA for Executives at >>> [Read More](#)



First Patent Filed for Alfaisal University by Academic in the College of Engineering

Orthopedic implants are an integral part of a country's national health policy and critical to the quality of life of orthopedic patients. Dr Rehan Ahmed a Professor in the College of Engineering at Alfaisal University, in collaboration >>> [Read More](#)



Alfaisal College of Medicine Breast Cancer Team (ABCT) Abstract accepted as one of the top 15 at the Leiden International Medical Student Conference 2011(LIMSC)

Alfaisal University, Breast Cancer Team, will be presenting their accepted abstract at the Leiden International Medical Student Conference 2011(LIMSC) on Saturday, March 19, 2011, Leiden, Netherlands.>>> [Read More](#)



Alfaisal Medical Students Attend Angiology Conference

Alfaisal University was extremely proud to be represented by six of their second year medical students at the 52nd Annual Congress of the International College of Angiology held in Lexington, Kentucky this past October 2010. >>> [Read More](#)



Alfaisal University Faculty Named an Honorary Editorial Board Member of *Medicolegal and Bioethics*, Journal.

Dr. Norman K. Swazo, Interim/Acting Dean and Professor of Philosophy & Biomedical Ethics in the College of Science and General Studies, has been named an Honorary Editorial Board member of the journal, *Medicolegal and Bioethics* >>> [Read More](#)



University of the Pacific Representatives Visit Alfaisal University to Discuss New Program in Global Education and Leadership

The University of the Pacific (www.pacific.edu), located in Stockton California USA, has developed a new Teaching in Higher Ed Doctoral degree and would like to offer this degree to universities in Saudi Arabia. >>> [Read More](#)



Columbia University Representatives Visit Alfaisal University to Discuss Areas of Mutual Interest

Columbia University representatives visited Alfaisal University on >>> [Read More](#)

3. Graduate Studies

3.1. Graduate Programs

At the graduate studies level, the MBA program, which accepted its first students in the Fall Semester of 2011, is running well with currently 44 men and women students enrolled (Table 9) (Figures 12 and 13). In addition, the Biomedical Sciences Master's program was approved by MOHE (Ministry of Higher Education) in June 2011. We expect the first graduate students to be admitted to this program in the fall of 2011 or in early 2012. This program is a collaborative effort between the Colleges of Medicine, Science and Engineering, as well as the King Faisal Specialist Hospital and Research Center (KFSHRC). Furthermore an MSc program proposal in Genetic Counseling was submitted to MOHE for final approval, and a revised proposal for a MSc in Radiological & Imaging Sciences was submitted to Um Al Qura University for their recommendation. Both of these proposed programs are in collaboration with KFSHRC.

Table 9. Status of Graduate Programs at Alfaisal University

Graduate Program	Status	No. Students in Program*		
		Men	Women	Total
MBA (Masters of Business Administration)	Running since October 2010	20	24	44
MSc & PhD in Biomedical Sciences	MSc approved by MoHE June 2011	0	0	0
MSc in Genetic Counseling	Submitted to MoHE June 2011	N/A	N/A	N/A
MSc in Radiological & Imaging Sciences	Final Review by UCU then to MoHE	N/A	N/A	N/A
Grand Total		20	24	44

3.2. Graduate Policies & Procedures

The Office of Research & Graduate Studies (ORG) has prepared a Graduate Policies and Procedures document for students, faculty and staff to help define their responsibilities and to explain the policies and procedures that govern graduate study at Alfaisal University. The document was based in part on the *Guide to Graduate Policy* at the University of California, Berkeley. In the near future, the Office website may also be consulted for graduate information, including deadlines and policies for admissions, scholarships and degrees.

(http://www.alfaisal.edu/research/graduate_policy_procedure.htm)

As the administrative arm of the University Council, the Office of Research & Graduate Studies monitors the progress of students enrolled in different graduate degree programs, from the time they are admitted to Alfaisal University until they complete their degrees. The document also describes the admission cycle and the



Figure 12. Launching Ceremony of Alfaaisal University MBA Program 2011. Alfaaisal University announced the launch of its first post graduate program, the Alfaaisal MBA for Executives at an official launching ceremony under the auspices of HRH Prince Turki Al Faisal, held on Wednesday 22nd December at the Alfaaisal University Campus. HRH Prince Turki Al Faisal recognized and acknowledged sponsors of the event Dallah Albarakah for their longstanding support and contribution.



Figure 13. Keynote Speaker at MBA Launching Ceremony. In a key note address guest speaker; HRH Prince Mohamed bin Khalid bin Abdullah Al Faisal, President & CEO of Alfaisaliah Group Holding, and an MBA graduate from Harvard Business school emphasized on the uniqueness of the MBA program at Alfaaisal University and the value it can bring to its stake holders in the globally competitive world that we live in.

policies that govern the application, applicant evaluation, and admission of new graduate students. Students may apply for admissions to master's and doctoral programs at Alfaaisal University from any other university both within and from outside Saudi Arabia. The Office of Research & Graduate Studies (ORG) sets the minimum application requirements and has the ultimate authority to approve or deny graduate admission.

3.3 University Research & Graduate Studies Council

The University Research & Graduate Studies Council, which is chaired by the Vice President for Research & Graduate Studies, is responsible for safeguarding the excellence of graduate education. The Council which has started meeting on a monthly basis this past academic year has a membership which consists of faculty members from each college within the institution. The Office of Research & Graduate Studies is the administrative arm of the Council and is empowered on its behalf to enforce its regulations and policies.

The Graduate Council sets the policies and standards for graduate admission, scholarships, and degrees. The Council reviews established degree programs and proposals for new fields of study or degrees; establishes qualifications and policies for Graduate Student Teaching Assistants and Graduate Student Research Assistants; responds to issues referred to it by the Vice President, the Provost's Office, and the deans, and participates in reviews of existing graduate programs.

APPENDIXES

Appendix A	<i>List of Publications</i>	28
	• Refereed Journal Papers	28
	• Patents	43
	• Books	43
	• Book Chapters	45
	• Letters	46
	• Reports	46
	• Conference Papers	46
	• Conference Abstracts	51
	• Invited Speaker	53
	• Conf/Symposia/Workshops Attended	56

Refereed Journal Papers

2011

Alkhamisi, S. A., Abdalrahman, H. A., Ahmad, M., and Goosen, M. F. A. 2011. "Assessment of Reclaimed Water Irrigation on Growth, Yield and Water-use Efficiency of Forage Crops", *Applied Water Science*, (accepted 15 July 2011).

Ambrozewicz, M. A. ,Khraibi, AA, Simsek- Duran, F., DeBose SC, and Dobrian. AD 2011. Obese and lean rats on high fat diet have different renal sodium regulation in response to nitric oxide depletion. *American Journal of Hypertension*, in press

AlShammari A, Obeidat S, Nurhussen A, Abu Saleh M, Al-Dahlawi A, Al-Jazairy S, Erfan N and Rajab MH. 2011. Effectiveness of an Innovative Community-Based Breast Cancer Awareness Workshop. *Medical Science Educator*, 21(1S): 131.

Arain SA, Jamal Q, Khan MA, Ahmed W. 2011. Pattern of histological findings in chronic hepatitis C with alanine transaminase levels below twice the normal value. *J Pak Med Assoc*. 2011 Mar;61(3):264-7.

Arain SA, Jamal Q, Omair A. 2011. "Liverscore" is predictive of both liver fibrosis and activity in chronic hepatitis C. *World J Gastroenterol*, 2011, in press

BaHamam ,A.S.O. and MA..Alzogaibi. 2011. The Effect of One Night of Continuous Positive Airway Pressure Therapy on Oxidative Stress and Anti-oxidant Defense in Hypertensive Patients with Severe Obstructive Sleep Apnea. *Sleep & Breathing*, in press

Bkaily G, Avedanian L, Al-Khoury J, Provost C, Nader M, D'Orléans-Juste P, Jacques D. 2011. Nuclear membrane receptors for ET-1 in cardiovascular function. *Am J Physiol Regul Integr Comp Physiol*. 300(2):251-63. Epub 2010 Nov 17. Review.

Chatterjee, T. K., G. Idelman, V. Blanco, A. L. Blomkalns, M. Piegore, D. S. Weintraub, S. Kumar, S. Rajsheker, D. Manka, S. M. Rudich, Y. Tang, D. Y. Hui, R. Bassel-Duby, E. N. Olson, J. B. Lingrel, S. M. Ho, and N. L. Weintraub. 2011. Histone deacetylase 9 is a negative regulator of adipogenic differentiation. *Journal Biological Chemistry*. (published online 16 June) 51 pgs.
<http://www.jbc.org/content/early/2011/06/16/jbc.M111.262964.full.pdf+html?with-ds=yes>

Chilibeck, P.D., S.M. Cornish, A. Schulte, N. Jantz, C. Magnus, S. Schwanbeck and B.H.J. Juurlink. 2011. A randomized clinical trial involving spinal manipulation for reducing imbalances in leg strength. *Journal of the Canadian Chiropractic Association*.

Cormier, G. and N. Rezg 2011. On Coordinating Maintenance, Production and Subcontracting: Insights from Simulation Models. *Journal of Quality in Maintenance Engineering* (Accepted in September 2010).

Dehmas, D. A., Kherba, N., Hacene, F. B., Merzouk, N. K., Merzouk, M., Mahmoudi, H., and Goosen, M. F. A. 2011. On the Use of Wind Energy to Power Reverse Osmosis Desalination Plant: A Case Study from Tenes (Algeria). *Renew Sustain Energy Rev*, 15(2), 956-963.

Drouiche, N., S. Aoudj, H. Lounici, H. Mahmoudi, N. Ghaffour and M.F.A. Goosen, 2011. Development of an empirical model for fluoride removal from photovoltaic wastewater by electrocoagulation process, *Desalination and Water Treatment* (acceptance Oct 2010)

Erlangga, Y.A., E. Turkel, 2011. Iterative scheme for higher order discretization to the exterior Helmholtz equation, to appear in *Mathematical Modeling and Numerical Analysis*. In honor to Prof. David Gottlieb.(in press)

Faisal, N.H., R. Ahmed and R. L. Reuben, 2011. Indentation testing and its acoustic emission response: applications and emerging trends", *International Materials Reviews*, 56(2), 2011, 98-142 (an invited review).

Faisal, N. H., R. Ahmed, R. L. Reuben and B. Allcock, 2011. "AE monitoring and analysis of HVOF thermal spraying process", *Jr. of Thermal Spray Technology*, DOI: 10.1007/s11666-011-9620-6, 2011.

Faisal, N. H., R. L. Reuben and R. Ahmed, 2011. "An improved measurement of Vickers indentation behaviour through enhanced instrumentation", *Jr. of Measurement Science and Technology*, Vol. 22, doi: 10.1088/0957-0233/22/1/015703, 2011.

Faisal N. H. and R. Ahmed, 2011. A review of patented methodologies in instrumented indentation residual stress measurements, *Recent Patents in Mechanical Engineering*, 4, 138-152

Ganguly, P., A. Yaquinnuddin and B.H.J. Juurlink. 2010. Rare vascular anomalies in a case of persistent bilateral sciatic arteries. *Chirurgia, in press*

Ganguly, Paul, Ahmed N. AlShibi, Khalid AlShehri, Arif Abdalbaki, Anas Jobeir, Mohamed Diya Sabbagh, Thane G. Maddaford and Grant N. 2011. Diabetes, Hyperhomocysteinemia and Stroke: The Missing Link. In: Pierce *in Grey Matter Dysfunction*, Novapublishers, in press

Garland, JW, Badano, G, Chang, Y., Zhao, J, Abad, H, Sivananthan, S, Nathan, V, 2011. Use of in situ spectroscopic ellipsometry during the molecular beam epitaxial growth of Hg_{1-x}Cd_xTe, *J. Appl. Phys.* (accepted)

Goosen, M. F. A. 2011 Environmental management and sustainable development. *Procedia Engineering* (8 pgs) (accepted Oct 2010)

Goosen, M. F. A., Sablani, S., Del-Cin, M., Wilf, M., 2011. Effect of Cyclic Changes in Temperature and Pressure on Permeation Properties of Composite Polyamide Spiral Wound Reverse Osmosis Membranes, *Sep Sci Techn*, 46 (1), 14-26.

Hassan, H.Z., A. A. Mohamad, R. Bennacer, 2011. Simulation of an Adsorption Solar Cooling System, *Energy*, 36 (1): 530-537.

Jabar, J, Soosay, C., Santa, R, 2011, 'Organisational learning as an antecedent of Technology Transfer and New Product Development: A study of manufacturing firms in Malaysia', *Journal of Manufacturing Technology Management*, 22 (1): 25-45.

Kanaan, H. Y. and Al-Haddad, K. 2011. Current-Injection Three-Phase Rectifiers: Competitive Topologies for Power Factor Correction, *IEEE Industrial Electronics Magazine*. (Accepted for publication 17 Nov. 2010)

Kanaan, H. Y., Al-Haddad, K., Georges, S. and Mougharbel, I. 2011. Design, Modeling, Control and Simulation of a Three-Phase DC-DC Converter for High Currents Applications, *IET Power Electronics*. (Accepted for publication 13 Jan. 2011)

Kanaan, H. Y., Al-Haddad, K. and Mougharbel, I. 2011. Comparative Control Analysis of the VIENNA Rectifier Based on its Averaged Model, *International Journal of Power Electronics (IJPELEC)*, 3(1):78-110.

Kanaan, H. Y., Al-Haddad, K., Sauriole, G. and Chaffai, R. 2011. Modeling, Design and Control of a SEPIC Power Factor Corrector for Single-Phase Rectifiers: Experimental Validation, *International Journal of Power Electronics (IJPELEC)*, (accepted 3 April 2011).

Karam, J. 2011. Biorthogonal Wavelet Packets Mel Scale Analysis and Radial Basis Functions for Automatic Recognition of Arabic Speech. *WSEAS Transactions on Signal Processing*, Issue 1, Volume 7: 44 – 53, January.

Karam J. and Al-Mallah, O. 2011. Extended Results On Commutative and Nil - Semiclean Rings, *International Journal of Arts and Sciences*, 4 (2): 135 – 140. ISSN: 1944-6934.

Kuzmin, A, ZL Guo, and A. A. Mohamad, 2011. Simultaneous Incorporation of Mass and Force Terms in the Multi-Relaxation-Time Framework for Lattice Boltzmann Schemes, *Philosophical Trans. Of Royal Society A-Mathematical Physical and Engineering Sciences*, 369 (1944): 2219-2227.

- Kuzmin, A., I. Ginzburg and A. A. Mohamad, 2011. A role of kinetic parameter on the stability of two-relaxation times advection-diffusion Lattice Boltzmann Schemes, *Computers and Mathematics with Applications* (in press).
- Latchman, P, M. Mathur, M., Bartels and De Meersman RE. 2011. The effects of childhood obesity on BRS and autonomic modulation. *Clinical Aut Res.* (In print)
- Latchman P, Mathur M, Bartels M, Axtell R and R. De Meersman. 2011. Baroreceptor sensitivity in obese and non-obese normotensive children. *Clinical Autonomic Research*, in press
- Lv, X., Zou, Q., Reeve D. E. and Zhao, Y. 2011 A Preconditioned Implicit Free-surface Capture Scheme for Larger Density Ratio on Tetrahedral Grids, *Communications in Computational Physics*. (accepted).
- Menk, R.H., E. Schültke, L. Rigon, C.H. Hall, F. Arfelli, L. Rigon, S. Rigley-MacDonald, A. Round, A. Astolfo, K. Atael-Mannan and B.H.J. Juurlink. 2011. Gold nano-particles as a cell marker for synchrotron-based imaging. *Nanomedicine*.
- Muhad, R.M.N., M.Z. Abdullah, M. Abdul Mujeebu, M.Z. Abu Bakar, R. Zakaria, and A. A. Mohamad, The Development and Performance Analysis of Partially Premixed LPG Porous Medium Combustor, *J. Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, Vol. 33, 13, pp. 1260-1270, 2011.
- Ndtoungou, A., Hamadil, Ab. and Al-Haddad, K. 2011. An Improved Approach to Better Understand Power Electronics Variables, *International Journal of Engineering Education*, 27(1):1–14
- Ounejjar, Y., Al-Haddad, K., Grégoire, L.-A. 2011. Packed U Cells Multilevel Converter Topology: Theoretical Study and Experimental Validation, *Industrial Electronics, IEEE Transactions on*, 58(4): 1294 – 1306
- Rahmatullah, Ali, Azhar Farooqui, Ahmed Warraich, Ahmed Farahat, Haaris Ahmad, Samer Alanazi, Adel Helmi, Ahmed Shihri. 2011. Current challenges to the primary health care in KSA. *Journal of Pakistan Medical Students*, in press
- Rohra, D.K. 2011. Home deliveries: reasons and adverse outcomes in women presenting to a tertiary care hospital. *J Pak Med Assoc*, in press
- Rohra, D.K. 2011. Quantitative and qualitative analysis of Pubmed-indexed biomedical publications in Oman from years 2005-2009. *Oman Med J*, in press
- Rohra DK. 2011Representation of less-developed countries in Pharmacology journals: an online survey of corresponding authors. *BMC Med Res Method*, 2011 May 5; 11:60.
- Rohra DK, Azam SI. 2011. Quantitative and qualitative analysis of Pubmed-indexed biomedical publications in Oman from years 2005-2009. *Oman Med J*, 26: 160-165.
- Rohra DK. 2011. Let's build our own international journals. *Pak Med Students J*, in press.
- Santa, R., Scavarda, A., Zhao, F. and Skoko, H. 2011. Managing the operational effectiveness in Service using technological innovation, *International Journal of e-Business Management*, 5 (1). ISSN: 1835-5412;
- Senanayake, G.V.K., A. Banigesh, L. Wu, P. Lee, and B. H.J. Juurlink. 2011. The dietary phase 2 protein inducer sulforaphane can normalize the kidney epigenome in hypertensive rats and improve blood pressure. *American Journal of Hypertension*, in press
- Shah N, Rohra DK, Shuja S, Liaquat NF, Kumar K, Kumar K, Ahuja KL. 2011. Obstetric outcome of teenage pregnancies in three tertiary care hospitals of Pakistan. *J Pak Med Assoc*, in press.
- Sharaf EJ, Senok AC, Udo EE, Botta GA. 2011. Trafficking of methicillin-resistant staphylococci and co-colonization with vancomycin-resistant enterococci. *Med Princ Pract*. 2011;20(3):253-8.
- Sloan RP, Shapiro PA, De Meersman RE, Bagiella E, Brondolo EN, McKinley PS, Crowley O, Zhao Y, Schwartz JE, Myers MM. Impact of aerobic training on cardiovascular reactivity to and recovery from challenge. *Psychosomatic Medicine*, 73 (2) 134-41, 2011.

Swazo, N. K. 2011. "No Contagion' (*la adwa*) in Islam: Between the Imperatives of Hadith and Medical Practice," *Journal of the International Society for the History of Islamic Medicine*, Vol. 10, No. 19 (forthcoming)

Yahaioui, O., Aizel, L., Lounici, H., Drouiche, N., Goosen, M. F. A., Paus, A., and Mameri, N. 2011. Evaluating Removal of Metribuzin Pesticide from Contaminated Groundwater using an Electrochemical Reactor Combined with Ultraviolet Oxidation. *Desalination*, 270, 84-89.

2010

Afsar NA, Kulsoom B, Mateen A, Ahmed, S., Tahseen, M., Ahmed, A. 2010. Breast Cancer Pattern and Chemotherapy Response - an Institutional Study in Pakistan. *Asian Pac J Cancer Prev*, 11 (3):825-30.

Afsar NA, Haenisch S, Mateen A, Usman, A., Ufer, M., Ahmed, K. Z., Ahmad, H. R., Cascorbi, I. 2010. Genotype Frequencies of selected Drug Metabolizing Enzymes and ABC Drug Transporters among Breast Cancer Patients on FAC Chemotherapy. *Basic Clin Pharmacol Toxicol*. 107 (1):570-576.

Ahmed, R., N. H. Faisal, R. L. Reuben, A. Paradowska, M. Fitzpatrick, J. Kitamura, S. Osawa, 2010. Neutron Diffraction Residual Strain in Thermally Sprayed Alumina Coatings Deposited Via APS and HVOF Techniques, *Journal of Physics: Conference Series*, 251, 012051

Alamyane, A. A. and A. A. Mohamad, 2010. Simulation of Forced Convection in Channel with Extended Surfaces by Lattice Boltzmann Method, *Computer and Mathematics with Applications (CMA)*, 59: 2421-2430.

Amarir, S., Al-Haddad, K. 2010. A new mathematical tool to investigate the influence of cable characteristics and IGBT fast switching on voltage transients and differential mode currents for PWM drives, *Mathematics and Computers in Simulation*, 81(2): 180-193

Avedanian L, Riopel J, Bkaily G, Nader M, D'Orleans-Juste P, Jacques D. 2010. ETA receptors are present in human aortic vascular endothelial cells and modulate intracellular calcium. *Can J Physiol Pharmacol*. 88(8):817-29.

Adolphe, J.L., S.J. Whiting, B.H.J. Juurlink, L.U. Thorpe and J. Alcorn. 2010. Health effects with consumption of the flax lignan secoisolariciresinol diglucoside. *British Journal of Nutrition*, 103: 929-938

Al-Kassir, A., J. Ganon-Gomez j, A. A. Mohamad, and E.M. Cuerda-Correa, 2010. A Study of Energy Production from Cork Residues: Sawdust, Sandpaper Dust and Triturated Wood, *Energy*, 35 (1): 382-386.

Bahadur Y, Al Husaini H, Rajab MH, Jazieh A. 2010. Guidelines: The epidemiology of lung cancer in the Kingdom of Saudi Arabia. *Ann Thorac Med*, 5: 5-7

Bartholameuz, E. M., J.P.A. Hettiaratchi, A. A. Mohamad and S. Kumar, 2010. Leaf Composting in Cold Climates: a Theoretical and an Experimental Evaluation, *Int. J. Environmental Technology and Management*, 13 (3-4):222-233.

Bindayna K, Khanfar HS, Senok AC, Botta GA. 2010. Predominance of CTX-M genotype among extended spectrum beta lactamase isolates in a tertiary hospital in Saudi Arabia. 2010.Saudi Med J :30(8):859-63.

Blanchette, H.F., Al-Haddad, K. 2010. Solving EMI-Related Problems for Reliable High-Power Converters Design With Precomputed Electromagnetic Models, *Power Electronics, IEEE Transactions on*, 25(1): 219 - 227

Clark, T.A., Maddaford, T.G., Tappia, P., Heyliger, C., Ganguly, P.K., Pierce, G. 2010. Restoration of cardiomyocyte function in streptozotocin-induced diabetic rats after treatment with vanadate in a tea decoction. *Current Pharmaceutical and Biotechnology*, Volume 11, Number 8, December, 906-910

- Coates, P.J. and P.A. Hall. 2010. p53: Recent advances in our understanding of this key tumour suppressor: Virtual Issue 1. *Journal of Pathology* online April 2010 [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\) 1096-9896/homepage/virtual_issues.htm](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN) 1096-9896/homepage/virtual_issues.htm)
- Cowan, M.M., Hamweyah, K.M., Sabbagh, MD, Swaid, A., Alkattan, A.K., Ganguly, P.K. 2010. Persistent bilateral sciatic arteries: a rare finding of clinical importance. *International Journal of Angiology*, 19:e43-e44
- Cowan, M., Arain, N.N., Assale, T.S.A, Assi, A.H., Albar, R.A., Ganguly, P.K. 2010. Student-centered integrated anatomy resource sessions at Alfaisal University. *Anatomical Sciences Education* 3:272-275
- Davies, G.F., A.R. Ross, T.G. Arnason, B.H.J. Juurlink, B.H.J. and T.A.A. Harkness 2010. Troglitazone inhibits histone deacetylase activity in breast cancer cells *Cancer Letters* 288: 236-250.
- Davey, C.R. 2010. Revising our ideas and doing our homework: Looking anew at teaching English in Saudi Arabia. *Working Papers in ESL and EFL Studies* Volume 1, Issue 1 October 2010. http://www.mklc.co.uk/cms/wp-content/uploads/2010/10/Colyn_Davey_Paper.pdf
- Du M, P.A. Hall. p53: Recent advances in pathobiology of lymphoma: Virtual Issue 4. *Journal of Pathology* online December 2010 [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\) 1096-9896/homepage/virtual_issues.htm](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN) 1096-9896/homepage/virtual_issues.htm)
- Erlangga, YA 2010. On multilevel Krylov methods for the biharmonic equation
- Erlangga, YA, Turkel, E. 2010. Iterative scheme for higher order discretization to the exterior Helmholtz equation, *Mathematical Modeling and Numerical Analysis*. In honor to Prof. David Gottlieb, 2010
- EIBawab, H., M. Abouzeid, M. Rafay, W. Hajjar, W. Saleh, K. Al Kattan, 2010. Clinical Use of Combined PET/CT in Thymoma Recurrence, *Interactive Cardiovascular Thoracic Surgery*; 11: 395 – 399.
- Elkins G, Cook T, Dove J, Markova D, Marcus JD, Meyer T, Rajab MH. 2010. Perfect M. Perceived Stress Among Nursing and Administration Staff Related to Accreditation. *Clinical Nursing Research*, 19: 376-386.
- Ganguly, P.K 2010. Anatomy Resource Centre: An Ideal Place for Teachers and Teaching. In (R.V. Nata, Ed.) *Progress in Education, Volume 18*, Nova Publishers pp 51-65.
- Ganguly, P.K 2010. Teaching and learning of anatomy in the 21st century: Direction and the Strategies. *The Open Medical Education Journal* 3: 5-10.
- Ganguly P.K. 2010. Neuropeptide Y level in hypothalamus of experimental diabetic rats: correlation with sympathetic activity and body weight. *International Journal of General Medicine*, 3: 321-325
- Ganguly, P., A. Khraibi and B.H.J. Juurlink. 2010. Medical education in cardiovascular sciences: accommodating a research-driven curriculum. *CV Network* **9(2)**: 14-17.
- Ganguly, P., A, Yaquinnuddin and B.H.J. Juurlink. 2010. Rare vascular anomalies in a case of persistent bilateral sciatic arteries. *Chirurgia*.
- Goosen M. F. A., Mahmoudi, H. and Ghaffour, N. 2010. Water Desalination using Geothermal Energy. *Energies*, 3, 1423-1442.
- Hall, P.A., R.F.J. Tomlinson, I.M.P. Poulson. 2010. Genes genomes and disease. *Journal of Pathology* 220: 109-113.
- Hall P.A., R. Poulson and J. Wixon. 2010. New developments at the Journal of Pathology *Journal of Pathology*, 220: 221
- Hall P.A. 2011. Getting your paper published: An Editors Perspective. *Annals of Saudi Medicine* 31: 72-76
- Hall P.A., J. Wixon, R. Poulson. How the *Journal of Pathology* deals with ethical issues. *Journal of Pathology* 2011 223(4):447-9.

- Hall, H., E. Sturm, E. Schültke, F. Arfelli, R-H Menk, A. Astolfo and B.H.J. Juurlink. 2010. Progress in cell marking for synchrotron x-ray computed tomography. In: K.K.W. Siu (Editor) "Proceedings of the 6th Medical Applications of Synchrotron Research (MASR)" American Institute of Physics Conference Proceedings. 1266: 51-56.
- Hadyn, B. and Wright. N. S.2010. Female Emirati Graduates and the Multicultural, Mixed Gender Workplace: The Impact of Educational Experiences on Female Students' Team-related Behaviors, Skills, Values and Attitudes Within the Gulf Region. *Accepted for publication in Team Performance Management to be published in August, 2010.*
- Hamadi, A., Rahmani, S., Al-Haddad, K. 2010. A Hybrid Passive Filter Configuration for VAR Control and Harmonic Compensation, *Industrial Electronics, IEEE Transactions on*, 57(7): 2419 – 2434
- Hamimi, A.N., Ruelland, F., Al-Haddad, K. 2010. Resonance effect of insulated negative current rail in a subway network, *Journal of Mathematics and Computer in Simulation*. 81(2):382-393
- Hom J., T Yu, Y Yoon, G Porter, and SS Sheu. 2010. Regulation of mitochondrial fission by intracellular Ca²⁺ in rat ventricular myocytes. *Biochimica Biophysica Acta (BBA) – Bioenergetics* 1797: 913-921.
- Huang, S., A. A. Mohamad, and K. Nandakumar, 2010. Numerical simulation of Unsteady Flow in a Multistage Centrifugal Pump using Sliding Mesh Technique, *Progress in Computational Fluid Dynamics*, 10 (4): 239-245.
- Imai Y., Kondoh S., Kouzmenko A., Kato S. – Osteoprotective action of estrogens is mediated by osteoclastic estrogen receptor α – *Molecular Endocrinology* 2010, 24(5), 877-885.
- Kakal F, Yaqinuddin A, Somani M, Mohammed N. 2010. Frequent hypermethylation of *APC*, *RAR-b* and *RASSF1A* in human term placentas" *Placenta*, in press
- Kanaan. HY and Al-Haddad, K. 2010. "Current-Injection Three-Phase Rectifiers: Competitive Topologies for Power Factor Correction", *IEEE Industrial Electronics Magazine*. (accepted for publication on November 17th, 2010)
- Karam, J. 2010. Locating Zeros of Polynomials Associated With Daubechies Orthogonal Wavelets, *WSEAS Transactions on Mathematics*. Issue 12, Volume 9, pp: 874 – 883, December 2010.
- Karam, J. 2010. A Comprehensive Approach for Speech Related Multimedia Applications, *WSEAS Transactions on Signal Processing*, Issue 1, Volume 6, pp: 12- 2, 2010.
- Kouzmenko A.P., Ohtake F., Fujiki R., Kato S. – Hormonal Gene Regulation through DNA Methylation/Demethylation – *Epigenomics*, 2010, In press
- Kuzmin, A. and A. A. Mohamad, 2010. Multi-irange Mutli-Relaxation Time Shan-Chen Model with Extended Equilibrium, *Computers and Mathematics with Applications*, 59: 2260-2270.
- Kvietys, P. and Granger, D.N. 2010. Intestinal lymphatics in interstitial volume regulation and transmucosal water transport. *Ann N Y Acad Sci*. 1207 (SUPPL. 1): E29-43
- Luccini, M., A. Shami, S. Primak, 2010. "Cross-Layer Optimization of Network Performance over MIMO Wireless Mobile Channels," *IET Communications Journal*. In press
- Lv, X., Zou, Q., Zhao, Y. Reeve, D. 2010. A novel coupled level set and volume of fluid method for sharp interface capturing on 3D tetrahedral grids *Journal of Computational Physics*, Volume 229, Issue 7, 1 April, Pages 2573-2604
- Mahajan A, **Simoni** J, Sheather S, Rajab MH, and Wesson D. 2010. Reducing Tissues Acid Slows Rate of GFR Decline in Hypertensive Nephropathy. *Journal of the American Society of Nephrology*. In press.
- Mahajan A, Simoni J, Sheather S, Broglio KR, Rajab MH, and Wesson DE. 2010. Daily Oral Sodium Bicarbonate Preserves Glomerular Filtration Rate by Slowing its Decline in Early Hypertensive Nephropathy. *Kidney International*. 78:303-309.

- Mahmoudi, H., Spahis, Abdul-Wahab, Sablani, S., and Goosen, M.F.A 2010. Improving the performance of a Seawater Greenhouse desalination system by assessment of simulation models for different condensers, *Renew Sustain Energy Rev*, 14(8), 2182-2188.
- Mahmoudi, H., Spahis, N., Goosen, M.F.A., Ghaffour, N., Drouiche N., and Ouagued, A., 2010. Application of geothermal energy for heating and fresh water production in a brackish water greenhouse desalination unit: A case study from Algeria, *Renew Sustain Energy Rev*, Vol. 14 (1), 512-517.
- Marcos, A., A. AL-Kassir and A. A. Mohamad, 2010. Combustible Gas Production (Methane) and Biodegradation of Solid and Liquid of Meat Industry Wastes, *Applied Energy*, 87 (5): 1729-1735.
- Marrif, H.I., A. N.A. Alwabel, A.E. Abdulhameed and B.H.J. Juurlink. 2010. Migraine headache: the astrocyte connection. *American Journal of Scientific Research* 8: 68-77.
- Mohamad, A. A. and A. Kuzmin, 2010. A Critical Evaluation of Force Term in Lattice Boltzmann Method, Natural Convection Problem, *Int. J. Heat and Mass Transfer*, 53 (5-6): 990-996.
- Mohamad, A. A., R. Bennacer and M. El-Ganaoui, 2010. Double dispersion, natural convection in an open end cavity simulation via Lattice Boltzmann Method, *Int. J. Thermal Sciences*, 49:1944-1953.
- Mohamed, K. M. and A. A. Mohamad, 2010. On the Development of Hybrid Atomistic-Continuum Methods for Dense Fluids, *Macromolecular Simulation*, 8 (3): 283-302.
- Muhad, R.M.N., M.Z. Abdullah, A. A. Mohamad, M.A. Mujeebu and Abu Bakar, R. Zakaria, 2010. 3-D Numerical Modelling and Experimental Investigation of Partial-Premix Type Porous Medium Burner Using LPG Fuel, *J. Porous Media*, 13 (7): 655-669.
- Mujeebu, M.A., M.Z. Abdullah, M.Z. Abu Bakar, and A. A. Mohamad, 2010. Trends in Modeling of Porous Media Combustion, *Progress in Energy and Combustion Sciences*, 36 (6): 627-650.
- Parry, J., R. Ahmed, F. Dear, J. Shephard, M. Schmidt, L. Li, D. Hand, 2010. "Fiber-Laser Process for Cutting Thick Yttria-Stabilized Zirconia: Application and Modeling", *Applied Ceramic Technology*, DOI: 10.1111/j.1744-7402.2010.02559.x, 2010.
- Phisitkul S, Khanna A, Simoni J, Broglio KR, Sheather S, Rajab MH, Wesson DE. 2010. Amelioration of Metabolic Acidosis in Patients with Low GFR Reduced Kidney Endothelin Production and Kidney Injury, and Better Preserved GFR. *Kidney International*. 77: 617-623.
- Piziak V, Rajab MH. 2011. An Effective Team Approach to Improve Postoperative hip Fracture Care. *J Orthop Trauma*. 25: 72–75
- Piziak V, Morgan-Cox M, Tubbs J, Rajab MH. 2010. Elevated Body Mass Index in Texas Head Start Children: A Result of Heredity and Economics. *Southern Medical Journal(SMJ)*. 103: 1219-1222
- Rahmani, S., Mendalek, N., Al-Haddad, K. 2010. Experimental Design of a Nonlinear Control Technique for Three-Phase Shunt Active Power Filter, *Industrial Electronics, IEEE Transactions on*, 57(10): 3364 - 3375
- Rohra DK, Juriasinghani V, Rai K. 2010. Prevalence of immediate vasovagal reactions in blood donors visiting two blood banks of Karachi. *Transfusion Med*, 20:129-133.
- Rosyid, H., R. Koestoer, N. Putra, Nasruddin, A. A. Mohamad, and Yanuar, 2010. Sensitivity Analysis of Steam Power Plant-Binary Cycle, *Energy*, 35 (8): 3578-3586.
- Saleh W, Bamousa A, Al-Mutairi, AlKattan K, 2010. Thorascopic Eucleation of Esophageal Leiomyoma in Patient with MEN I Syndrome, *Annals of Thoracic Medicine*. 5 (1) January – March.47-49
- Schültke, E, R.W. Griebel, B.H.J. Juurlink. 2010. Quercetin administration after spinal cord trauma changes S-100 b levels. *Canadian Journal of Neurological Sciences*, 37 223-228.
- Schültke, E., R. Griebel and B.H.J. Juurlink. 2010. Quercetin attenuates inflammatory processes after spinal cord injury in an animal model. *Spinal Cord*. 48: 857-861.

Schültke, E., S. Fiedler, C. Nemoz, L. Ogjieglo, M.E. Kelly, P. Crawford, F. Esteve, T. Brochard, M. Renier, H. Requard, G. LeDuc, B.H.J. Juurlink and K. Meguro. 2010. Synchrotron-based intra-venous K-edge digital subtraction angiography in a pig model: a feasibility study. *European Journal of Radiology*, 73: 677-681

Schültke, E., H. Kamencic, V. Skihar, R.W. Griebel and B.H.J. Juurlink. 2010. Quercetin in an animal model of spinal cord compression injury: Correlation of treatment duration with recovery of motor function. *Spinal Cord* 48: 112-117.

Scott NG, Ripperger-Suhler J, Rajab MH, Kjar D. 2010. Factors Associated with Atomoxetine Efficacy for Treatment of Attention-Deficit/Hyperactivity Disorder in Children and Adolescents. *Journal of Child Adolescent Psychopharmacology*. 20: 197-203.

Shah N, Rohra DK, Shams H, Khan NH. 2010. Home deliveries: reasons and adverse outcomes in women presenting to a tertiary care hospital. *J Pak Med Assoc*, 60:555-558.

Swazo, N.K. 2010. "Negotiating the Climate Change Regime: The Case of Saudi Arabia," *Middle East Review of International Affairs*, Vol 14, No. 4, December 2010, pp. 11-25

Swazo, N.K. 2010. " 'Just One Animal Among Many?' Existential Phenomenology, Ethics, and Stem Cell Research," *Theoretical Medicine and Bioethics*, Vol. 31, pp. 197-224

Takada I., Kouzmenko A.P., Kato S. – PPAR γ signaling cross-talk in mesenchymal stem cells. – *PPAR Research* 2010, In Press

Tod A. Clark, Thane G. Maddaford, Pram Tappia, Clayton E. Heyliger. Pallab (Paul) Ganguly and Grant N. Pierce. 2010. Restoration of cardiomyocyte function in streptozotocin-induced diabetic rats after treatment with vanadate in a tea decoction. *Curr. Pharm Biotechnol*, in press.

Verma, V., Singh, B., Chandra, A., Al-Haddad, K. 2010. Power conditioner for variable frequency drives in offshore oil field, *Industry Applications, IEEE Transactions on*: 46(2): 731 - 739

Wright, N., Caneen, J., Alexander, N. and Gomez. A. 2010. Conservation Area Start-Ups: Combining Theory and Practice. *Journal of Developmental Entrepreneurship*, v. 15 no. 1, p. 55-67.

Yaqinuddin A, Abbas F, farooq S, Qazi R, Qureshi SA 2010. "DNMT1 silencing effects locus specific DNA methylation and increases invasiveness of prostate Cancer Derived PC3 cells. *Journal of Urology* 182: 760-765.

Yaqinuddin A, Bashir MU. 2010. Utility of DNA Methylation markers in diagnosis of Cancer. *International journal of Surgery*, in press, Epub Feb 2010

Yoon, Y., Chad A. Galloway, Bong Sook Jhun, and Tianzheng Yu. 2010. Mitochondrial dynamics in diabetes. *Antioxidants & Redox Signaling*, Jun 2. 14: 439-457

Yu, T., Bong Sook Jhun, Yisang Yoon. 2010. High glucose increase reactive oxygen species production through the calcium and MAP kinase-mediated activation of Mitochondrial fission. *Antioxidants & Redox Signaling*. 2 Jun. 14: 425-437

Xiang L., R.L. Hester, W.L. Fuller, M.E. Al Sebae, P.N. Mittwede, E.K. Jones, A. Aneja, and G.V. Russell. 2010. Orthopedic Trauma-Induced Pulmonary Injury in the Obese Zucker Rat. *Microcirculation* 17: 650-659

Xu H, Su Z, Wu J, Yang M, Penninger JM, Martin CM, Kvietys PR, Rui T. 2010. The alarmin cytokine, high mobility group box 1, is produced by viable cardiomyocytes and mediates the lipopolysaccharide- induced myocardial dysfunction via a TLR4/phosphatidylinositol 3-kinase gamma pathway. *J. Immunol*. 184: 1492 -8

2009

Abdelrahman, H. Al Yafie, B. A., and Goosen, M. F. A., 2009, "Evaluation of environmental factors and equipment configuration on efficiency of a solar soil water collector", *Int. J. Environmental Technology and Management*, Vol. 10 (3/4), 260-273.

- Alamyane, A. A., and A. A. Mohamad, 2009. Simulation of Forced Convection in Channel with Extended Surfaces by Lattice Boltzmann Method, *Computer and Mathematics with Applications (CMA)* (in press).
- Aldabbag L. B. Y. and A. A. Mohamad, 2009. A Three Dimensional Numerical Simulations of Impinging Jet Arrays on a Moving Plate, *Int. J. Heat and Mass Transfer*, vol. 52, issue 21-22, pp. 4894-4900.
- Aldabbagh L. B. Y. and A. A. Mohamad, 2009. Mixed Convection in an Impinging Laminar Single Square jet, *ASME J. Heat Transfer*, vol. 131, Issue 2, 02201, Feb.
- Al Kattan, K. 2009. Student Centered Education, *European Journal of Cardio-Thoracic Surgery* (35), 392-397.
- Al Ras, A.O. and B.H.J. Juurlink. 2009. Renaming gastrocnemius to biceps tibialis. *Clinical Anatomy* 22: 637-638.
- Bai, X., A. Shami, and Y. Ye, 2009. "Delay Analysis of Ethernet Passive Optical Networks with Quasi-leaved Polling and Gated Service Scheme," *International Journal of Communication Networks and Distributed Systems*, Vol. 2, Number 2-3, pp. 138 - 159, (selected for publication as an outstanding paper from the Proceedings of IEEE/Create-Net AccessNets 2007 conference)
- Banwan K, Senok AC, Rotimi VO. 2009. Antibiotic Therapeutic Options for Infections Caused by Drug-resistant Gram-positive cocci. *Journal of Infection and Public Health*, 2: 62-73
- Bennacer, R., A. A. Mohamad and M. El Ganaoui, 2009. Thermodiffusion in Porous Media: Multi-Domain Constituent Separation, *Int. J. Heat Mass Transfer*, March, Vol. 52, issue 7-8, pp. 1725-1733.
- Bindayna K, Senok AC, Jamsheer A. 2009. Extended Spectrum Beta-lactamase-producing Enterobacteriaceae in Bahrain: Prevalence and antibiotic sensitivity pattern. *Journal of Infection and Public Health*, 2: 129-135
- Butler, T. Plague into the 21st century. *Clin. Infect. Dis.* (in press) 2009
- Cormier, G. and N. Rezg, 2009. An Integrated Production Planning Model for Molds and End Items. *International Journal of Production Economics* 121, 1, 68-71.
- Davies, G. F, Juurlink, B.H.J. and T.A.A. Harkness. 2009. Troglitazone reverses the multiple drug resistance (MDR) phenotypes in cancer. *Drug Design, Development and Therapy* 3: 79-88.
- DeAlwis, N., A. A. Mohamad and A. Mehrota, 2009. Exergy Analysis of Direct and Indirect Combustion of Methanol by Utilizing Solar Energy or Waste Heat, *J. Energy & Fuel*, 23 (3), pp. 1723-1733.
- Dechene, D., K. Meerja, A. Shami. 2009. "Performance evaluation of MIMO-aware media access control protocol," *Elsevier Physical Communication Journal*, Vol. 2, Issue 3, pp. 204-216, Sep.
- EIBawab H, Saleh W, AlKattan K, 2009 Clinical Use of Combined PET/CT in Recurrence of Thymoma, Submitted to *Annals of Thoracic Surgery*, January (35) 392-397.
- EIBawab, H., W. Hajjar, K. Al Kattan, Plasmapheresis before Thymectomy in Myasthenia Gravis Routine vs Selective Protocols, *EJCTS*, accepted for publication (In process for 2009).
- El-Shall, M. S., Ibrahima, Y., Alsharaeh, E., Meot-Ner, M., Watson, S. 2009. "Reactions between Aromatic Hydrocarbons and Heterocyclics: Covalent and Proton-Bound Dimer Ions of Benzene/Pyridine". *Journal of the American Chemical Society* *Journal of the American Chemical Society* 131(29):10066-76.
- Erlangga, Y.A., Nabben, R., 2009. Algebraic multilevel Krylov methods, *SIAM Journal on Scientific Computing*, **31**, pp. 1417-1437.
- Faisal, N. H., J. A. Steel, R. Ahmed and R. L. Reuben, 2009. "The Use of Acoustic Emission (AE) to Characterise Vickers Indentation Behaviour of HVOF Thermally Sprayed WC-12%Co Coatings", *Jr. of Thermal Spray Technology*, Volume 18, Number4, 525-535, December.

- Falcucci, G., G. Chiatti, S. Succi, A. A. Mohamad and A. Kuzmin, 2009. Rupture of a ferrofluid droplet in external magnetic fields using a single-component lattice Boltzmann model for nonideal fluids, *Physical Review E*, Vol.79, Issue: 5 Article Number: 056706 Part: Part 2, May.
- Ganguly, P.K. 2009. Teaching and learning of anatomy in the 21st century: direction and the strategies. *The Open Medical Education Journal*, 2:88-93
- Ganguly, P.K., Chan, L.K., 2009, Living anatomy in 21st century. *South East Asian Journal of Medical Education*, in press.
- Herrmann, F. J., Brown, C. R., Erlangga, Y. A., and Moghaddam, P. P. 2009. Curvelet-based migration preconditioning, *Geophysics*, **74**, pp. A41-A46.
- Herrmann, F. J., Erlangga, Y. A., and Lin, T.T.Y. 2009. Compressed simultaneous full-wavefield simulation, *Geophysics*, **74**, pp. A35-A40.
- Huang S., and A. A. Mohamad, 2009, Modelling of Cavitation Bubble Dynamics in Multicomponent Mixtures, *J. Fluid Engineer*, March, Vol. 131, 3, pp. 031301.
- Hull, S., 2009. 'Spellbinding London: Charles Lamb and the Old Country House', *Studies in Romanticism*, (in press).
- Ibrahim, Y., Alsharaeh, E., Mabrouki, R. Momoh, P. Xie, E., El-Shall, M. S. 2008. Ion Mobility of Ground and Excited States of Laser-Generated Transition Metal Cations. *Journal of Physical Chemistry A* (2008), 112(6), 1112-1124.
- Imai Y., Kondoh S., Kouzmenko A., Kato S. – Regulation of bone metabolism by nuclear receptors. – *Molecular and Cellular Endocrinology* 2009, 310 (1-2), 3-10
- Imai Y., Youn M.Y., Kondoh S., Nakamura T., Kouzmenko A., Matsumoto T., Takada I., Takaoka K., Kato S. – Estrogens Maintain Bone Mass by Regulating Expression of Genes Controlling Function and Life Span in Mature Osteoclasts. *Ann. N.Y. Acad. Sci.* 2009, 1173 (Suppl 1), E31-E39.
- Kakal F, Yaqinuddin A, Somani M, Mohammed N" Frequent hypermethylation of β APC, RAR- in human term placentas" *Placenta* (accepted 2009)
- Karam, J., AbdelWahed, I. and Al-Mallah, O. 2009. *Theory of Nil - Semiclean Rings*, *International Journal of Mathematical and Statistical Sciences*, IJMSS, Vol. 57, September, pp: 1005 – 1010.
- Khanfar HS, Bindayna KM, Senok AC, Botta GA. 2009. Extended spectrum beta-lactamases (ESBL) in *Escherichia coli* and *Klebsiella pneumoniae*: trends in the hospital and community settings. *Journal of Infection in Developing Countries*, 3: 295-299
- Kirmani BF, Crisp ED, Kayani S, Rajab MH. 2009. Role of Intravenous Levetiracetam in Acute Seizure Management in Children. *Pediatric Neurology*, 41(1): 37-39.
- Kuzmin, A. and A. A. Mohamad, 2009. Multi-rang Multi-relaxation Time Shan-Chen Model with Etended Equilibria, *Computers and Mathematics with Applications (CMA)* (in press).
- Mahmoudi H, Spahis N, Goosen MFA, Sablani S, Abdul-Wahab S, Ghaffour N, 2009. Assessment of wind energy to power solar brackish water greenhouse desalination units: A case study from Algeria. *JRSER*, 13 (8): 2149-2155.
- Meerja, K. and A. Shami, 2009. "Analysis of Enhanced Collision Avoidance Scheme Proposed for IEEE 802.11e Enhanced Distributed Channel Access Protocol," *IEEE Transactions on Mobile Computing*, Volume 8, Issue 10, pp. 1353 – 1367, Oct.
- Mohamad A. A. and S. Succi, 2009. A Note on Equilibrium Boundary Conditions in Lattice Boltzmann Fluid Dynamic Simulations, *Eur. Physics J. Special Topics*, 171, 213-221.
- Mohamad, A. A., R. Bennacer and M. El-Ganaoui, 2009. Lattice Boltzmann Simulation of Natural Convection in an Open Ended Cavity, *Int. J. Thermal Sciences*, vol. 48, Issue 10, pp. 1870-1875.
- Mohamad, A. A., 2009. Lattice Boltzmann Method for Heat Diffusion in Axis-Symmetric Geometries, *Progress in Computational Fluid Dynamics*, Vo. 9, Issue 8, pp. 490-494.

- Muhad, R. M. N., M. Z. Abdullah, A. A. Mohamad, M. A. Mujeebu, M. Z. Abu Bakar and R. Zakaria, 2009. 3-D Numerical Modeling and Experimental Investigation of Partial-Premix Type Porous Medium Burner Using LPG Fuel, *J. Porous Media* (in press).
- Mujeebu, M.A, M.Z Abdullah, M.Z. Abu Bakar, A.A. Mohamad, M. K. Abdullah., 2009. Combustion in Porous media and its applications- A comprehensive survey, *Journal of Environmental Management*, Vol. 9, Issue 8, pp. 2287-2312.
- Mujeebu, M. A, M.Z Abdullah, M.Z. Abu Bakar, A.A. Mohamad, M. K. Abdullah., 2009. A Review of Investigations on Liquid Fuel Combustion in Porous inert media, *Progress in Energy and Combustion Science*, Vol. 35, pp. 216-230,.
- Mujeebu, M.A, M.Z Abdullah, M.Z. Abu Bakar, A.A. Mohamad, M. K. Abdullah. 2009. Applications of porous media combustion technology- A review, *Applied Energy*, Vol. 86, issue 9, pp. 1365-1375.
- Rajab MH, Villmaria FJ, and Rohack JJ. 2009. Evaluating the Status of "Translating Research into Practice" at a Major Academic Healthcare System. *The International Journal of Technology Assessment in Health Care*. 25(1): 84-89.
- Rohra DK, Khan NB, Azam SI, Sikandar R, Zuberi HS, Zeb A, Qureishi RN, Hasan R. 2009. Reasons of refusal and drop out in a follow up study involving primigravidae in Pakistan. *Acta Obs Gynecol Scand*, 88: 178-182.
- Salehabadi, M., M. Jin, J. Yang, H. Haghghi, R. Ahmed and B. Tohidi, 2009. "Finite Element Modelling of Casing in Gas Hydrate Bearing Sediments", *SPE Drilling & Completion Journal*, Volume 24, Number 4, pp. 545-552, December.
- Schültke, E, R.W. Griebel, B.H.J. Juurlink 2009. Quercetin administration after spinal cord trauma changes S-100 levels. *Canadian Journal of Neurological Sciences*, 37: 223-228.
- Schültke, E., V. Sadanand, M. Kelly, R. W. Griebel and B.H.J. Juurlink. 2009. Can admission S-100beta levels in urine be used as a predictor for the extent of brain damage in head trauma patients? *Canadian Journal of Neurological Sciences*, 36 (5) 612-616.
- Senok AC, Verstraelen H, Temmerman M, Botta GA. 2009. Probiotics for the treatment of bacterial vaginosis. *Cochrane Database of Systematic Reviews*, Issue 4 DOI:10.1002/14651858.CD006289.pub2
- Senok AC, Botta GA. 2009. Campylobacter enteritis in the Arabian Gulf. *Journal of Infection in Developing Countries*, 3: 74-82
- Senok AC. 2009. Probiotics in the Arabian Gulf Region. *Food Nutrition and Research*, 53. DOI:10.3402/fnr.v53i0.1842
- Senok AC, Ismaeel AY, Al-Qashar FA, Agab WA. 2009. Pattern of upper respiratory tract infections and physicians antibiotics prescribing practices in Bahrain. *Medical Principles and Practice*, 18: 170-174
- Skare, M. and Skoko, H. (2009), Estimating Sources of Economic Growth in Croatia (1960-2007), forthcoming in the *Journal of Policy Modelling*, EconModels.com.
- Suzuki E., Ito S., Sawatsubashi S., Shirode Y., Zhao Y., Yamagata K., Furutani T., Tanabe M., Kouzmenko A., Aigaki T., Tabata T., Takeyama K., Kato S. 2009. Aberrant E2F activation by androgen receptor polyglutamine expansion mutants in SBMA neurotoxicity. – *Proceedings of the National Academy of Sciences of the USA* 2009, 106 (10), 3818-3822.
- Swazo, N.K. 2009. Rehabilitating Islamic Ethics: A 'Postmodern' Opportunity for Contemporary Islam. *American Journal of Islamic Social Sciences*, 26:2, Spring, 1-22
- Swazo, N.K. 2009. *Book Review: Abdulaziz Sachedina, Islamic Biomedical Ethics: Principles and Application* (New York: Oxford University Press, 2009), *American Journal of Islamic Social Sciences*, Vol. 26, No. 4, Fall 2009, pp. 111-113
- Takada I., Kouzmenko A.P., Kato S. – WNT and PPAR signaling in osteoblastogenesis and adipogenesis. – *Nature Reviews Rheumatology* 2009, 5 (8), 442-447.

Takada I., Kouzmenko A.P., Kato S. 2009. Molecular Switching of Osteoblastogenesis Versus Adipogenesis: Implications for Targeted Therapies. *Expert Opinion on Therapeutic Targets*, 13 (5), 593-603.

Tang, J.M., Nabben, R., Vuik, C. and Erlangga, Y.A. 2009. Comparison of Two-Level Pre-conditioners Derived from Deflation, Domain Decomposition and Multigrid Methods, *Journal of Scientific Computing*, **39**, pp. 340-370.

Wright, N. S., Caneen, J., Alexander, N., and Gomez, A. 2009. Conservation Area Start-Ups: Combining Theory and Practice, in the *Journal of Developmental Entrepreneurship* . (Accepted for publication 2009)

Wright, N. S. and Bennett, H. 2009. Cross-cultural Teamwork Issues in Pacific Island Sustainability. *International Journal of Environmental, Cultural, Economic, and Social Sustainability*. v5. no. 4, p. 257-268.

Xia, G. H., Zhao, Y. and Yeo, J. H. 2009. Parallel Unstructured Multigrid Simulation Of 3D Unsteady Flows And Fluid-Structure Interaction Using Immersed Membrane Method, *Computers & Fluids*, Volume 38, Issue 1, January, pp 71-79.

Yaqinuddin A, Abbas F, farooq S, Qazi R, Qureshi SA 2009. "DNMT1 silencing effects locus specific DNA methylation and increases Invasiveness of Prostate Cancer Derived PC3 cells. *Journal of Urology* (In Press)

Yu, H., R. Ahmed, H. de Villiers Lovelock and S. Davies, 2009. "Influence of Manufacturing Process and Alloying Element Content on the Tribomechanical Properties of Cobalt-Based Alloys", *ASME Journal of Tribology*, 131(1).

Zhao Y., Takeyama K., Sawatsubashi S., Ito S., Suzuki E., Yamagata K., Tanabe M., Kimura S., Fujiyama S., Ueda T., Murata T., Matsukawa H., Shiode Y., Kouzmenko A.P., Li F., Tabata T., Kato S. 2009. Co-repressive action of CBP on Androgen Receptor transactivation in pericentric heterochromatin in a *Drosophila* experimental model system. *Mol. Cell. Biol.*, 29 (4), 1017-1034.

2008

Afsar NA, Barakzai Q, Adil SN. 2008. Effect of low dose oral pill on hemostatic parameters in a set of Pakistani population. *J Pak Med Assoc.* 58(5): 229-33

Ahmed, R., H. Yu, L. Edwards and J. Santisteban, 2008. "Neutron Diffraction Residual Strain Measurements in Post-treated Thermal Spray Cermet Coatings", *Material Science and Engineering-A*, 498, 191-202.

Aldabbagh, L. B. Y., H. F. Manesh and A. A. Mohamad, 2008, Unsteady Natural Convection inside a Porous Enclosure Heated from the Side, *J. Porous Media*, Vol. 1, Issue 1., pp. 73-83.

Al-Obeidani, S., Al-Hinai, H., Goosen, M.F.A., Sablani, S., Taniguchi, Y., and Okamura, H., 2008, "Chemical Cleaning of Oil Contaminated Polyethylene Hollow Fiber Microfiltration Membranes" *J. Membrane Science*, 307, 299-308.

Al-Zarouni M, Senok A, Rashid F, Al-Jesmi SM, Panigrahi D. 2008. Prevalence and antimicrobial susceptibility pattern of extended-spectrum beta-lactamase-producing Enterobacteriaceae in the United Arab Emirates. *Medical Principles and Practice*; 17: 32-36

Bai, X. and A. Shami, 2008. "Two Dimensional Cross-layer Optimization for Packet Transmission over Fading Channel," *IEEE Transactions on Wireless Communications*, Vol. 7, Issue 10, pp. 3813-3822, Oct.

Bai, X., A. Shami, and Y. Ye. 2008. "Robust QoS Control for Single Carrier PMP Mode IEEE 802.16 System," *IEEE Transactions on Mobile Computing*, Vol. 7, No. 4, pp. 416-429, April.

Bamousa, K. Al Kattan, Surgical Management of Non-Small Cell Lung Cancer, *Annals of Thoracic Medicine*, Vol. 3(2), 10-08, 582-588, 2008.

- Chan, L.K., Ganguly, P.K., 2008. Evaluation of small group teaching in human gross anatomy in a caribbean medical school. *Anatomical Sciences Education* , 1:19-22.
- Dash N, Mansour Al-Zarouni M, Al-Kous N, Al- Shehhi F, Al-Najjar J, Senok AC, Panigrahi D. 2008. Distribution and resistance trends of community associated urinary tract pathogens in Sharjah, UAE. *Microbiology Insights*; 1: 41-45
- Dawlatly, A., A, Turkistani, K. Al Kattan, et al. Anesthesia for Thymectomy in Myasthenia Gravis (report of 115 cases), *MEJ Anesthesia*, 19 (6) 2008, 1379 – 1386.
- Dharap, A., Bandaranayake, R., Robertson, A.S., Mohammad, A.M., Al-Haddad, M.K., Ganguly, P.K., 2008. Perceptions of Medical Students Undertaking a Problem-Based Learning Curriculum: Experiences During the Pre-Clerkship Phase. *Bahrain Medical Bulletin*, 30:1-8.
- Eldawlatly, A., Al-Kattan, K. Hajjar, K., Mahdy, M., 2008. Anesthetic Considerations of Gastro-Bronchial Fistula Repair. *The Internet Journal of Anesthesiology* 2007; Volume 12 Number 1.
- Elkins GR, Marcus MJ, Stearns V., Perfect M, Rajab MH, Ruud C, Palamara L, and Keith T. 2008. Randomized trial of a Hypnosis Intervention for Treatment of Hot Flashes among Breast Cancer Survivors. *Journal of Clinical Oncology*. Vol 26, No 31 (November 1): pp. 5022-502.
- Erlangga, Y.A., and Nabben, R.2008. On a multilevel Krylov method for the Helmholtz equation preconditioned by shifted Laplacian, *Electronic Transaction on Numerical Analysis*, (31) pp. 203-234.
- Ganguly, P.K., Maddaford, T. G., Edel, A.L., Karmin, O, K, Smeda, J.H., Pierce, G. N., 2008. Increased homocysteine-induced release of excitatory amino acids in the striatum of spontaneously hypertensive stroke-prone rats. *Brain Research*, 1226: 192-198.
- Ganguly, P.K., Chan, L.K. Living anatomy in the 21st century: how far can we go? *South East Asian Journal of Medical Education*, 2: 52-57, 2008
- Ghani, N., Q. Liu, J. Lankford, A. Shami, C. Assi, A. Khalil, 2008. "Value-Added Services in Next-Generation SONET/SDH Networks," *IEEE Communications Magazine*, Volume 46, Issue 11, pp. 64 – 73, November
- Hall, C.J., E. Schültke, L. Rigon, K. Ataelmannan, S. Rigley, R. Menk, F. Arfelli, G. Tromba, S. Pearson, S. Wilkinson, A. Round, S. Crittall, R. Griebel, and B.H.J. Juurlink 2008. Synchrotron based in-vivo tracking of implanted mammalian cells. 2008. *European J. Radiology* 68 (Suppl 3): 156-159.
- Herrick J, Smotek C, Cummings, and Rajab MH. 2008. Effectiveness of the Rapid Recovery Total Joint Program on Patient Outcomes. *Nursing Research*. In print.
- Huang, S., K. Nandakumar and A. A. Mohamad, 2008. Numerical Analysis of a Two-Phase Flow and Mixing Process in a Stirred Tanks, *Int J Chem Reactor Engineering*, Vol. 6, A38, pp.1-17.
- Ibrahim, Yehia; Alsharaeh, Edreese; Mabrouki, Ridha; Momoh, Paul; Xie, Enli; El-Shall, M. Samy. 2008. Ion Mobility of Ground and Excited States of Laser-Generated Transition Metal Cations. *Journal of Physical Chemistry A*, 112(6), 1112-1124
- Jamin, Y. L. & A. A. Mohamad, 2008, Natural Convection Heat Transfer Enhancements from Cylinder using Porous Carbon Foam, *Exp Study, ASME J. Heat Transfer*, Vol. 130, Issue 12, 122502-8.
- Kelly, M.E., R.C. Beavis, D. Fiorella, E. Schultke, L.A. Allen, B.H.J. Juurlink, Z. Zhong and L.D. Chapman. 2008. Analyzer-based imaging of spinal fusion in an animal model. *Physics in Biology & Medicine* 53: 2607-2616.
- Kimura S., Sawatsubashi S., Ito S., Kouzmenko A., Suzuki E., Zhao Y., Yamagata K., Tanabe M., Ueda T., Fujiyama S., Murata T., Matsukawa H., Takeyama K., Yaegashi N., Kato S. 2008. Drosophila arginine methyltransferase 1 (DART1) is an ecdysone receptor co-repressor. *Biochem. Biophys. Res. Commun.* 371 (4), 889-893.
- Kouzmenko A.P., Takeyama K., Kawasaki Y., Akiyama T., Kato S. 2008. Truncation mutations abolish chromatin-associated activities of adenomatous polyposis coli. *Oncogene* 27 (36), 4888-4899.

- Kouzmenko A.P., Takeyama K., Kawasaki Y., Akiyama T., Kato S. 2008. – and adenomatous α Ligand-dependent interaction between estrogen receptor polyposis coli. *Genes Cells* 13 (7), 723-730.
- Kuzmin, A., A. A. Mohamad and S. Succi, 2008. Multi Relaxation Time Lattice Boltzmann model for multiphase flows, *Int. J. of Modern Physics C*, Vol. 19, No. 6, 875-902.
- Mahmoudi, H., Abdul-Wahab, S.A., Goosen, M.F.A., Sablani, S., Perret, J., Ouagued, A., and Spahis, N., 2008. "Weather Data and Analysis of Hybrid Photovoltaic-Wind Power Generation Systems Adapted to a Seawater Greenhouse Desalination Unit Designed for Arid Coastal Regions". *Desalination*, 222, 119-127.
- Mazi W, Senok A, Al-Mahmeed A, Arzese A, Bindayna K, Botta G. 2008. Trends in antibiotic sensitivity pattern and molecular detection of tet(O)-mediated tetracycline resistance in campylobacter jejuni isolates from human and poultry sources. *Japanese Journal of Infectious Diseases*; 61: 82-84
- Meerja, K. A., and A. Shami, 2008. "Enhancing channel utilization by improving media access coordination in wireless local area networks," *Wiley Wireless Communications and Mobile Computing Journal*, Vol. 8, Issue 2, pp. 155-169
- Memon I, Panhwar A, Rohra DK, Azam SI, Khan MN. 2008. Prevalence of byssinosis in textile workers of Karachi. *Arch Environ Occup Health*, 63:137-142.
- Murata T., Suzuki E., Ito S., Sawatsubashi S., Zhao Y., Yamagata K., Tanabe M., Fujiyama S., Kimura S., Ueda T., Matsukawa H., Kouzmenko A., Furutani T., Kuranaga E., Miura M., Takeyama K., Kato S. 2008. RNA-Binding Protein Hoip Accelerates PolyQ-Induced Neurodegeneration in Drosophila. *Biosci. Biotechnol. Biochem.* 72 (9), 2255-2261
- Naqvi KR, Parigi L, Vellani CW, Kumar S. 2008. Noninvasive method for determining blood pressure and contours of arterial and volume pulses. *J Biomed Sci Eng (JBISE)*. Aug; 1(2): 79-84.
- Noyan-Ashraf, M.H., Z. Sadeghinejad, D. Saucier, G.F. Davies, T.A.A. Harkness, A.R. Ross and B.H.J. Juurlink. 2008. Phase 2 protein inducers in the diet promote healthier aging. *Journal of Gerontology A: Biological Sciences & Medical Sciences* 63: 1168-1176.
- Parry, J.P., F. C. Dear, R. Ahmed, J. D. Shephard and D. P. Hand, 2008. "Fiber Laser Processing of Thick Ytria Stabilized Zirconia", 27th International Congress on Applications of Lasers & Electro-Optics, CA, USA, October.
- Piziak V and Rajab MH. 2008. Cost-Effective Team Approach to Improve Post-hip Fracture Care. *Journal of Ortho Surgery*. In print.
- Pliego JP, Wehbe-Janek H, Rajab M Hasan, Browning JL, and Fothergill RE , 2008. Ob/Gyn Boot Camp Using High Fidelity Human Simulators: Enhancing Residents' Perceived Competency, Confidence in Taking a Leadership Role, and Stress Hardiness. *Simulation in HealthCare*. 3(2): 82-89.
- Rabab'ah, G. A. 2008. Communication Strategies in Translation, *Babel: International Journal of Translation*, 54 (2): 97-109.
- Rabai, K. A.K. Mojtabi, M. J. Safi and A. A. Mohamad, 2008, Numerical Study of Themosolutal Convection with Soret Effect in a Square Cavity, *Int. J. Numerical Methods for Heat and Fluid Flow*, Vol. 18, No. 5, pp. 561-574.
- Rohra DK, Bashir MU, Khwaja UA, Nazir MR. 2008. Critical appraisal of evidence-based advertising in Pakistan. *Pharm World Sci*, 30:216-21.
- Rohra DK, Jaipal, Khowaja AA, Mahmood K, Ahuja KL. 2008. Precipitating factors of hepatic encephalopathy in patients with chronic liver disease at Civil Hospital Karachi. *J Coll Phys Sur Pak*, 18:131-131.
- Rohra DK, Solangi NA, Memon Z, Khan NH, Azam SI, Ahuja KL. 2008. Hemoglobin status of pregnant women visiting tertiary care hospitals of Pakistan. *Pak J Med Res*, 47:33-36.

- Rohra DK, Das N, Azam SI, Solangi NA, Memon Z, Shaikh AM, Khan NH. 2008. Drug-prescribing patterns during pregnancy in the tertiary care hospitals of Pakistan: a cross sectional study. *BMC Pregnancy Childbirth*, 8:24 doi:10.1186/1471-2393-8-24.
- Rohra DK, Memon A, Khan KM. Ototoxicity — the hidden menace of beta-blockers. *J Coll Phys Sur Pak* 2008, 18:297-298.
- Rohra DK, Jaipal, Khowaja AA, Mahmood K, Ahuja KL. 2008. Modes of presentation and reasons of hospitalization for patients with decompensated chronic liver disease at Civil Hospital Karachi. *J Dow Uni Health Sci*, 2:50-54.
- Rothberg MB, Bonner AB, Rajab MH, 2008. Stechenberg BW, Rose DN. Do pediatricians manage Influenza differently than internists? *BMC Pediatrics*, 8:15.
- Schültke, E., B.H.J. Juurlink, K. Ataelmannan, J. Laissue, H. Blattmann, E. Bräuer-Krisch, A. Bravin, J. Minczewska, J. Crosbie, H. Taherian, T. Wysokinsky, L.D. Chapman, R. Griebel, D. Fourny. 2008. Memory and Survival after Microbeam Radiation Therapy. *European J. Radiology* 68 (Suppl 3): 142-146.
- Semma, E., M. El Ganaoui, R. Bennacer and A. A. Mohamad, 2008, Investigation of flows in solidification by lattice Boltzmann method, *Int. J. Thermal Sciences*, 47,3,201-208.
- Senanayake, V., B.H.J. Juurlink, C. Zhang, E. Zhan, L.D. Wilson, J. Kwon, J. Yang, Z.L. Lim, S.M.K. Brunet, G. Schatte, J.M. Maley, R.E. Hoffmeyer and R. Sammynaiken. Do surface defects and modification determine the observed toxicity of Carbon Nanotubes? *Journal Biomedical Nanotechnology* 4: 515-523.
- Senok AC, Pipan C, Edan Y, Botta GA. 2008. Internet and computer use by medical students in traditional and problem based learning systems. *Kuwait Medical Journal*; 40: 196-201
- Senok AC, Rotimi VO. 2008. The management of *Clostridium difficile* infection: Antibiotics, Probiotics and other strategies. *Journal of Chemotherapy*; 20: 5-13
- Shah NA, Hafeezullah, Qureshi S, Abbasi MA, Sheikh MH, Rohra DK. 2008. Role of calcium channel antagonism in vasodilator effects of 17 β -estradiol. *Pak J Physiol*, 4:8-12.
- Skoko, H., Ceric, A. and Chun-yan, H. (2008) ICT adoption models in Chinese SMEs. *International Journal of Business Research (IJBR)* Volume 8, Number 4, pages 161-165, 2008 ISSN: 1555-1296.
- Swazo, N.K. 2008. "My Brother is My King": Evaluating the Moral Duty of Global Jihad," *International Journal on World Peace*, Vol. XXV, No. 4, December, pp. 7-47
- Swazo, N.K. 2008. "Is There an Ethical Doctor in the House?: Avoiding 'the Dream of [Having] an Ethical Algorithm'," *The Yale Journal for Humanities in Medicine*; online <http://yjhm.yale.edu/essays/nswazo20080825.htm>
- Swazo, N.K. 2008. "Human Version 2.0: Between the 'Banality' and 'Ressentiment' of Neuroengineers," *NeuroQuantology*, March, Vol. 6, No. 1, pp. 32-42
- Tanabe M., Kouzmenko A.P., Ito S., Sawatsubashi S., Suzuki E., Fujiyama S., Yamagata K., Zhao Y., Kimura S., Ueda T., Murata T, Matsukawa H., Takeyama K., Kato S. 2008. Activation of facultatively silenced *Drosophila* loci associates with increased acetylation of histone H2AvD. *Gene Cells*, 13 (12), 1279-1288.
- Villamaria FJ, Pliego J, Wehbe-Janek H, Rajab MH, Neil Coker. Sibbitt S, Ogden PE, Musick K, Browning JL, Hays Grudo J. 2008. Using Simulation to Orient Code Blue Teams to a New Hospital Facility. *Simulation in Healthcare* . In print.
- Wallace, T. D., A. Shami, and C. Assi, 2008. "Scheduling Advance Reservation Requests for WDM Networks with Static Traffic Demands," *IEE Proceedings on Communications*, Volume 2, Issue 8, pp. 1023 - 1033 , September
- White RR, IV, Pitzer K, Fader R, Rajab MH and Song J. 2008. Pharmacokinetics of Topical and Intravenous Antibiotics in Patients with Clean Surgical Wounds. *Plastic and reconstructive surgery*, 122(6):1773-9.

Willson, P.J., T. Talaei Khozani, B. H. J. Juurlink, A. Senthilselvan, D. C. Rennie, V. Gerds, J. Gawaziuk, D. Schneberger, L. H. Burch, J. A. Dosman. 2008. α In vitro production of TNF- positively correlated with increased blood monocytes after exposure to a swine barn. *Journal of Toxicology and Environmental Health, Part A*, 71:1349-1354.

Wright, Norman S. and Hadyn Bennett. 2008. Harmony and Participation in Arab and Western Teams. *Education, Business and Society: Contemporary Middle Eastern Issues*, v. 1 no. 4, p. 230-243.

Yaqinuddin A, Abbas F, Naqvi Z, Bashir MU, Qazi R, Qureshi SA, 2008 "Silencing of MBD1 and MeCP2 in prostate cancer derived PC3 cells produces differential gene expression profiles and cellular phenotypes" *Bioscience Reports* 28 (6):319-326.

Yaqinuddin A, Abbas F, Qazi R, Qureshi SA 2008. "Down regulation of DNMT3b in PC3 cells, effects locus specific DNA methylation and represses cellular growth and migration" *Cancer Cell International*, 8:13

Yu, T., and Khraibi, A. A. 2008. Enalapril treatment restores the decreased proximal tubule reabsorption in response to acute volume expansion in diabetic rats. *Life Sciences* 83:364-368.

Yu, Tianzheng, Shey-Shing Sheu, James L. Robotham, Yisang Yoon: 2008. Mitochondrial fission mediates high glucose-induced cell death through elevated production of reactive oxygen species. *Cardiovascular Research*. Jul 15; 79(2):341-51.

Ziarani, A. S. and A. A. Mohamad, 2008, Effect of wall roughness on the slip off fluid in a microchannel, *Nanoscale and Microscale Thermophysical Engineering*, vol 12, No. 2, pp. 154-169.

Patents

2010

Ahmed R. Dedi, R and G. Markx, The Coating, PCT Patent (pending), 2010.

2009

Ahmed R., Dedi, R and G. Markx, The Coating, UK Patent (pending), 2009.

Menk, Ralf, Elisabeth Schültke, Bernhard Juurlink and Chris Hall. 2009. Method For Long-Term Tracking Of Cells In Vivo. Italian Patent Office, # PD2008A000187. **Brief Description:** A method is described to label cells with gold nanoparticles. Such labeled cells can be tracked over time using x-rays following administration to animals.

2008

Books

2011

Mohamad, A. 2011. Lattice Boltzmann Method, Fundamentals and Engineering Applications with Computer Codes, Springer, London, England.

Davey, C.R. (ed.) 2011. "The Affectionate Hand: Humanitarian efforts of the WAQF Foundation". Eindhoven (Netherlands): Stjchting Waqf.

Gottinger, H., and Goosen, M. F. A (eds), 2011. "*Strategies of Economic Growth and Catch-up: Industrial Policies and Management*", Nova Science Publ Inc, Hauppauge, NY (10 Chapters) (ISBN: 978-1-61209-022-1)

Rabab'ah, G.A. 2011. *Writing: A Course Book* (2nd edition), Techno Press, Saudi Arabia.

Santa, R, 2011, *System and operational effectiveness*. Lambert, Germany.

2010

Gangully, P. 2010 *Catecholamine's and Heart Disease Vol. 2* (CRC Press, Boca Raton, Florida) ISBN Number 0-8493-5810-8 (in press, due 2010)

Hull, S. 2010. *Charles Lamb, Elia, and The London Magazine*: Metropolitan Muse, Pickering & Chatto

Kvietys, P. (author) 2010. "The Gastrointestinal Circulation". Morgan&Claypool Life Sciences. ISBN:9781615041176.

Laboy, E., Goosen, M.F.A. & Emmanuel, E. (Eds), 2010. "*Environmental and Human Health: Risk Management in Developing Countries*" Taylor & Frances (Balkema NDL) London. 276 pp, ISBN:978-0-415-60162-7

2009

Laboy, E., Schaffner, F., Abdelhadi, A., & Goosen, M.F.A (Eds) 2009. "Environmental Management Sustainable Development & Human Health" Taylor & Frances (Balkema NDL) London. 35 Chaps, 594pp, ISBN: 978-0-415-46963-0

Shami, A. Maier, M., and Assi, C. (Editors:) 2009 *Broadband Access Networks: Technologies and Deployments*, Springer

Skoko, H., and Ceric, A. (2009) *Theory and applications of the systemic approach*, Zaduzbina Andrejevic, Belgrade (in press).

Skoko, H. and Skare, M., (2009) *Microeconomics, Principles*, FET Pula and Mikrorad, Zagreb, Croatia. (in press).

2008

Skoko, H., (2008) *Supplementary Material Test Bank for Macroeconomics*, by Bernanke, B., Olekalns, N. and Frank, R.H., MacGraw-Hill, Sydney, 2nd edition.

Book Chapters

2011

Ganguly, P.K., Ahmed, AS et al. *Diabetes, Stroke and Hyperhomosysteinaemia: the Missing Link in Horizons in Neuroscience Research*, Volume 5 by Nova publishers, New York, USA, 2011

Goosen, M. F. A. 2011. *Growth and Institutions*. In: Gottinger, H. and Goosen, M. F. A, (eds) "*Strategies of Economic Growth and Catch-up: Industrial Policies and Management*", Nova Science Publ Inc, Hauppauge, NY (Chapter 7).) (ISBN: 978-1-61209-022-1)

Kanaan H. Y. and K. Al-Haddad, "AC-to-DC Three-Phase/Switch/Level PWM Boost Converter: Design, Modeling and Control", *Industrial Electronics Handbook: Power Electronics and Motor Drives*, 2nd Edition, CRC Press, 2011, pp. 12.1-12.48.

Rahmani, R. and K. Al-Haddad, "Filtering Technique for Power Quality Improvement", *The Industrial Electronics Handbook, Second Edition, Power Electronics and motor Drives, Five Volume Set*, CRC press 2011. Pp 16.1-16.87

Rabab'ah, G. A. 2011. "Users' Perception of Internet Cafe Impact", ICT Impact on the Public, Amy Mahan Fellowship Program (in press)

Skoko, H. (forthcoming), State of Entrepreneurship in Saudi Arabia 2009 - 2010 in *The GCC Economies: Stepping Up to Future Challenges*, M A Ramady, (Ed), SPRINGER, 2011.

Skoko, H. (forthcoming), Use of ICT in Saudi SME's in *The GCC Economies: Stepping Up to Future Challenges*, M A Ramady, (Ed), SPRINGER, 2011.

2010

Davey, C.R. 2010. Revising our ideas and doing our homework: Looking anew at teaching English in Saudi Arabia. *Working Papers in ESL and EFL Studies* Volume 1, Issue 1 October 2010. http://www.mkic.co.uk/cms/wp-content/uploads/2010/10/Colyn_Davey_Paper.pdf

Ganguly, P.K., Alshibi, A.N., Alshehri, K., Abdalbaki, A., Jobeir, A., Sabbagh, M.D., Maddaford, T.G., Pierce, G.N. 2010. Diabetes, hyperhomocysteinemia and stroke: the missing link. In: *Horizons of Neuroscience Research Vol 5* (Editor, Costa A., Villaba, E.), Nova Science Publishers, New York, USA, Chapter 12

Goosen, M. F. A., Laboy, E. and Emmanuel, E. 2010. Environmental and human health risk management: An overview. in: Laboy, E., Goosen, M.F.A. & Emmanuel, E, (Eds), 2010. "*Environmental and Human Health: Risk Management in Developing Countries*" Taylor & Frances (Balkema NDL) London. Chapter 1, ISBN:978-0-415-60162-7

Juurlink, B.H.J. 2010. Fumbling towards ecstasy^{*}: A journey to understand a small corner of the universe. Editors: C. Rangacharyulu and Emmanuel Haven, "Proceedings of the First Interdisciplinary CHESS Interactions Conference", World Scientific Publishing, London, UK pp 51-69.

Kouzmenko A.P., Ohtake F., Fujiki R., Kato S. – Epigenetic Modifications in Vitamin D Receptor Mediated Transrepression. – In: *Vitamin D, 3d edition* (Pike J.W., Feldman D., Adams J. Eds) Elsevier (San Diego, CA) 2010, In Press

2009

Ganguly, P.K. and Senthilkumar, U. 2009. Anatomy resource centre: an ideal place for teachers and teaching. In: *Progress in Education, Vol 18* (Editor, Robert V. Nata), Nova Publishers, NY, USA, pp 51-65, 2009

Goosen, M.F.A., 2009 "The Environment, Sustainable Development and Human Wellbeing: An Overview", in: Goosen, M.F.A., E.N. Laboy-Nieves, F.C. Schaffner & A.H. Abdelhadi, *Environmental Management, Sustainable Development and Human Health*, CRC Press/Balkema, PP 3-12.

Goosen, M.F.A., S.K.S. AL-Hinai, S. Sablani, Y.Taniguchi & H. Okamura 2009 " Membrane Fouling and Cleaning in Treatment of Contaminated Water ", in: Goosen, M.F.A., E.N. Laboy-Nieves, F.C. Schaffner & A.H. Abdelhadi (eds), *Environmental Management, Sustainable Development and Human Health*, CRC Press/Balkema , pp 503-512

Rohra DK, Qazi Y. 2008. Reliability of rodent models. In "Sourcebook of Models for Biomedical Research", The Humana Press Inc. Totowa, NJ, USA; 1st Edition: 213-217.

Swazo, N.K. 2009. From Crisis to Renovation: Hwa Yol Jung's Contribution to Political Theory. In: Jin Y. Park (ed), *Comparative Political Theory and Cross-Cultural Philosophy: Essays in Honor of Hwa Yol Jung*. Lanham: Lexington Books.

2008

Butler, T. 2008. *Yersinia pestis*. In: www.antimicrob.org. EMPIRIC Antimicrobial Therapy and Vaccines. Volume I. Microbes. Ed: Yu VL, Raoult D. ESun Technologies.

Goosen, M.F.A., Sablani, S.S., and Roque, R., 2008. "Membrane Fouling: Recent Strategies and Methodologies for its Minimization", in: Pabby et al (eds) Handbook of Membrane Separations, Marcel Dekker. Pt 11, pp 325-341.

Hull, S. Introduction, and Chapter One: 'Editing Elia: Lamb, the London, and the Essayistic Figure', in Simon Hull, ed., The British Periodical Text, 1797-1835 (Tirril: Humanities E-Books, 2008), pp. 7-19, 20-36.

Rohra DK, Qazi Y. 2008. Reliability of rodent models. In "Sourcebook of Models for Biomedical Research", The Humana Press Inc. Totowa, NJ, USA; 1st Edition: 213-217

Swazo, N.K. 2008. "Chapter IV: 'A Chance to Do the Science Right': Evaluating the Ethics of the Genographic Project," in: Viktor T. Koven, ed., *Population Genetics Research Progress* (NOVA Science Publishers), pp. 123-149

Letters/Book Reviews

2011

Swazo, N.K. 2009. "Book Review: Abdulaziz Sachedina, *Islamic Biomedical Ethics: Principles and Application*," *American Journal of Islamic Social Sciences*, Vol. 26, No. 4, Fall 2009, pp. 111-113

2010

Sloan, T, Albors, J, Santa, R, De Weerd-Nederhof, P, Visscher, K, 2010, Creativity & Innovation Management; Dec 2010, Vol. 19 Issue 4, p329-331. Document Type: Editorial

2009

Al Ras, A.O. and B.H.J. Juurlink. 2009. Renaming gastrocnemius to biceps tibialis. *Clinical Anatomy* 22:640.

2008

Butler, T. 2008. Loperamide for the treatment of traveler's diarrhea: broad or narrow usefulness? Editorial Commentary. *Clin. Infect.Dis.* 47:1015-6.

Reports

2011

Conference Papers

2011

Aguiar, A.B.M., Merkhof, A., Al-Haddad, K., Hudon C. Electromagnetic Modelling of Existing Large Generator. International Electric Machines and Drives Conference, Niagara Falls, Canada, Mai 2011

Aguiar, A.B.M., Merkhof, A., Hudon C., Bélec, M., Al-Haddad, K., Large Hydro Electrical Generator Modeling Considering Different Magnetic Materials, Electrimacs, Paris, France, Juin 2011.

Azeredo, Z, Scavarda, A, Santa, R, Ferrer, M, 2011 'Remittance channel integration: a blueprint for financial institutions', Conference on Business Constancy & Strategic Expansion, Sharjah – UAE, April 7.

Davey, C.R. 2011. "The EFL Curriculum as Change Agent". IAT Technological Education Conference (IAT TEC 2011). 30 March 2011 in Abu Dhabi, UAE.

Erlangga, Y.A., 2011. Multilevel Krylov method for the Biharmonic Equation, The Householder XVIII Conference, Tahoe City, USA, 12-17 June 2011 (invited)

Erlangga, Y.A., 2011. Multilevel Krylov for Singular Systems, The 2011 European Numerical Mathematics and Advanced Applications (ENUMATH), University of Leicester, UK, 5-9 September 2011.

Ghassan, E. M., H. Y. Kanaan and K. Al-Haddad, " H_∞ Robust Control Applied to the Three-Phase/Switch/Level (VIENNA) Rectifier", in *Proc. 36th Annual Conference of the IEEE Industrial Electronics Society (IECON'10)*, Glendale, Arizona, USA, November 7-10, 2010.

Gregoire, L.; Al-Haddad, K.; Nanjundaiah, G. 2011. Hardware-in-the-Loop (HIL) to reduce the development cost of power electronic converters, Power Electronics (IICPE), 2010 India International Conference on, Publication Year: 2011, Page(s): 1 - 6

Javadi, A., Olivier, G., Sirois, F., Youmssi, A. 2010. "Real-time Laboratory Implementation Results of an Active Filter", in the 9th International Conference on Environment and Electrical Engineering, IEEEIC 2010, Prague, Czech Republic, May

Kanaan, H. Y. and K. Al-Haddad, 2011. "A Modified Sheppard-Taylor Power Factor Corrector Operating in Discontinuous Capacitor Voltage Mode", accepted in *Proc. 20th IEEE International Symposium on Industrial Electronics (ISIE'11)*, Gdansk, Poland, June 27-30.

Kanaan, H. Y. and K. Al-Haddad, 2011. "Design, Study, Modeling and Control of a SEPIC Power Factor Corrector in Single-Phase Rectifiers", accepted in *Proc. ELECTRIMACS'11*, Paris, France, June 6-8.

Karam, J. 2011. *Sharpening the Limits of the Zeros of Daubechies Wavelets Related Polynomials*, Proceedings of the IEEE International Conference on communications and Information Technology, Jordan University Aqaba, pp: 207 – 209, March 29-31, 2011.

Karam, J. 2011. *Theoretical Equivalency and Practical Advantages of Wavelet Based Paradigms in Signal Processing*, Proceedings of the 10th WSEAS International Conference on Signal Processing, Robotics and Automation, University of Cambridge, U.K., pp: 198 – 205, February 20 – 22, 2011.

Kedjar, B.; Al-Haddad, K.; LQR with integral action applied to a wind energy conversion system based on doubly fed induction generator, Electrical and Computer Engineering, 2011. CCECE 2011. Canadian Conference on, 9-11 May 2008

Merkhouf, A., Hudon C., Bélec, M., Guillot, E., Aguiar, A.B.M., Al-Haddad, K., Electromagnetic Loss Computation in Existing Large Hydroelectric Generators, International Electric Machines and Drives Conference, Niagara Falls, Canada, Mai 2011

Muchiri, M, Santa, R, Ferrer, M, 2011 'An exploration of relationships among enhancing adaptability leadership, innovation competences and operational effectiveness: the role of trust and power', 12th CINet Continuous Innovation Network conference, Arhus, Denmark, September 11-13.

Ounejjar, Y., Al-Haddad, K., 2011. A Novel 31-Level Packed U Cells Converter, POWERENG Power and Energy conference, Malaga, Spain, 11-13 May.

Rabab'ah, G. A. 2011. Strategies of Repair Used by Jordanian and German Learners of English, Published in the Proceedings of Canada's International Conference on Education, Toronto, Canada, October 3-7.

Scavarda, A, Bahamid, H, Zhao, F, Santa, R, 2011 'Environmental Scan of Water Treatment Companies in the United Arab Emirates', International Conference on Organization Development – ICOD 2011, Ghaziabad, India, April 6-7, 2011.

Scavarda, A, Mohsen, N, Santa, R, Ferrer, M, 2011 'Green Production of the Green Gold', proceedings of the International Symposium on Sustainable Systems and the Environment- ISSE, Sharjah, UAE, March 23-24.

Scavarda, A, Zhao, F, Santa, R, Ferrer, M, 2011 'An Environmental Exploratory Study of Water Treatment Companies in the Gulf Cooperation Council Countries', Production and Operations Management Society - POMS National Conference -, Reno, USA, April 29 - May 2.

Skoko, H. 2011. The state of entrepreneurship in the Kingdom of Saudi Arabia - 2009, the 5th International Scientific Conference "Entrepreneurship and Macroeconomic Management: Reflections on the World in Turmoil", March 24th – 26th, 2011 Pula, Croatia.

Succar, R., Mougharbel, I., and Al-Haddad, K. 2011. A matlab –Simulink model for grid connected wind turbine, Al Maather, Riyadh, GREEDER 2011, Amman-Jordan, April 26th-28th.

Zhao, F, Scavarda, A, Santa, R, 2011 ' E-Government services - What matter to citizens?', 9th ANZAM Operations, Supply Chain and Services Management Symposium, Geelong, Australia 15-17 June 2011.

2010

Abi Rached, R., H. Y. Kanaan and K. Al-Haddad, 2010. "Three-Phase Rectifier with an Active Current Injection and a Single High-Frequency Inductor", in *Proc. 2nd IEEE Energy Conversion Congress & Expo (ECCE'10)*, Atlanta, Georgia, USA, September 12-16, 2010, pp. 2074-2078.

Al-Haddad, K. 2010. Power quality issues under constant penetration rate of renewable energy into the electric network, Power Electronics and Motion Control Conference (EPE/PEMC), 2010 14th International, Publication Year: 2010 , Page(s): S11-39 - S11-49 (Key note speaker paper).

Chatterjee TK, Idelman G, Blomkalns AL, Blanco V, Weintraub DS, Piegore MG, Rajsheker S, Kumar S, Manka D, Tang Y, Neltner BS, Rudich SM, Hui DY, Bassel-Duby R, Olson EN, Weintraub 2010. NL. Histone Deacetylase 9 (HDAC9) is an Endogenous Inhibitor of Adipocyte Differentiation: Role in Diet-Induced Obesity. American Heart Association's Scientific Sessions, Chicago, USA. Nov 2010. Abstract published in *Circulation*. 2010 Nov; 122(21 Supplement): A15527.

Chen, Y.H., Y. Zhao, and W.M. Huang and D.W. Shu, 2010. Kinematics of Dragonfly (*Sympetrum flaveolum*) Flight, Proceedings of the 6th World Congress of Miomechanics (WCB2010, 1-6 August 2010, Singapore), Vol. 31, Springer.

Dechene, D., S. Primak, and A. Shami, 2010. "On the First and Second Order Statistics of Sparse MIMO Channels," *25th Queen's Biennial Symposium on Communications*, May

Ghassan, E. M. , H. Y. Kanaan and Al-Haddad K., 2010. " H_{∞} Robust Control Applied to the Three-Phase/Switch/Level (VIENNA) Rectifier", in *Proc. 36th Annual Conference of the IEEE Industrial Electronics Society (IECON'10)*, Glendale, Arizona, USA, November 7-10, 2010.

Hamadi, A.; Rahmani, S.; Al-Haddad, K.; 2010. Sliding mode control of three-phase shunt hybrid power filter for current harmonics compensation, Industrial Electronics (ISIE), 2010 IEEE International Symposium on Publication Year: 2010, Page(s): 1076 – 1082

Javaher S., Haghighi, D. Dechene, S. Primak, A. Shami, and X. Wang, 2010. "On Energy Efficiency of Pilot Assisted Modulation Schemes," *33rd IEEE Sarnoff Symposium 2010*, New Jersey, April

Karam, J., 2010. *Various Speech Processing Techniques for Multimedia Applications*, 9th WSEAS Int. Conf. on Signal Processing, Robotics and Automation (ISPRA '10), University of Cambridge, UK, February 20-22.

Karam J., and Al-Mallah, O. 2010. *On Commutative and Nil - Semiclean Rings*, American Conference on Applied Mathematics, Harvard University, Cambridge, USA, pp: 127 – 130, January 27-29.

Karam, J. 2010. *On the Distribution of Zeros for Daubechies Orthogonal Wavelets and Associated Polynomials*, The 15th WSEAS International Conference on Applied Mathematics, Vouliagmeni, Greece, pp: 101 – 104, December, 29-31, 2010.

Karam, J. 2010. *Radial Basis Functions With Wavelet Packets For Recognizing Arabic Speech*, the 9th WSEAS International Conference on Circuits, Systems, Electronics, Control & Signal Processing, Vouliagmeni, Athens, Greece, pp: 34 – 39, December, 29-31, 2010.

Kedjar, B.; Al-Haddad K.; 2010. LQR with integral action applied to a wind energy conversion system based on doubly fed induction generator, *Canadian Conference on Electrical and Computer Engineering*.

Mohamed, K. M. and A. A. Mohamad, 2010. A Molecular Dynamics Study of Heat Dissipation in Single-Walled Carbon Nanotubes (SWNT), 19th Int. Conf. on the Discrete Simulation of Fluid Dynamics (DSFD 2010), Rome, Italy, July 5-9.

Muchiri, M, Ferrer, M, Santa, R, 2010 'Exploring the interplay between leadership and their influence on organisational outcomes', proceedings of the 11th CINet Continuous Innovation Network conference, Zürich, Switzerland, 5-7 September.

Ounejjar, Y. Al-Haddad, K. 2010. A novel six-band hysteresis control of the packed U cells seven-level converter , *Industrial Electronics (ISIE)*, 2010 IEEE International Symposium on , Publication Year: 2010 , Page(s): 3199 – 3204

Ounejjar, Y. Al-Haddad, K. 2010. Multilevel hysteresis controller of the novel seven-level packed U cells converter, *Power Electronics Electrical Drives Automation and Motion (SPEEDAM)*, 2010 International Symposium on, Publication Year: 2010 , Page(s): 186 - 191

Ounejjar, Y. Al-Haddad, K. 2010. Fourteen-band hysteresis controller of the fifteen-level packed U cells converter , *IECON 2010 - 36th Annual Conference on IEEE Industrial Electronics Society*, Publication Year: 2010 , Page(s): 475 - 480

Salehabadi, M, M. Jin, J. Yang, R. Ahmed and B. Tohidi, 2010. "The Effect of Casing Eccentricity on the Casing Stability Analysis of a Wellbore Drilled in Gas Hydrate Bearing Sediments", *SPE EUROPEC/EAGE Annual Conference and Exhibition*, Barcelona, Spain, 14-17 June 2010.

Salim, R., H. Y. Kanaan, K. Al-Haddad and B. Khedjar, 2010. "LQR with Integral Action Controller Applied to a Three-Phase Three-Switch Three-Level AC/DC Converter", in *Proc. 36th Annual Conference of the IEEE Industrial Electronics Society (IECON'10)*, Glendale, Arizona, USA, November 7-10.

Santa, R, Ferrer, M, Bretherton, P, Hyland, P, 2010 'Understanding the impact of strategic alignment on the operational performance of post implemented Technological innovations ', proceedings of the 11th CINet Continuous Innovation Network conference, Zürich, Switzerland, 5-7 September.

Santa, R, Dettwiller, P, Bretherton, P, Ferrer, M, 2010 'Distribution innovation capabilities in the Pharmacy Supply Chain: The case of Australian remote and very remote areas', proceedings of the 11th CINet Continuous Innovation Network conference, Zürich, Switzerland, 5-7 September.

Santana, W. C., K. Al-Haddad, and L. E. B. da Silva, 2010. "Design Procedure for an Active Resonance Damper," in *Proceedings of the 36th Annual Conference of the IEEE Industrial Electronics Society IECON '10*, (Glendale, AZ), Nov. 2010.

Singh, B., Rajagopal, V., Chandra, A., Al-Haddad K. 2010. Decoupled electronic load controller for asynchronous generator in pico-hydro power generation, *Industrial and Information Systems (ICIIS)*, 2010 International Conference on. pp490 - 495

Singh, B., Sharma, S., Chandra, A., Al-Haddad K. 2010 Voltage and frequency control with reduced switch integrated voltage source converter for IAG in wind energy conversion system , *Power and Energy Society General Meeting, 2010 IEEE*. Page(s): 1 - 7

Swazo, N.K. 2010. "'No Contagion' (*la adwa*) in Islam: Between Imperatives of *Hadith* and Medical Practice," (completed and accepted for presentation at the 5th International Congress for History of Islamic Medicine, 25-28 October, 2010, Istanbul Turkey; presented at the Congress under the title, "Hermeneutics in Prophetic Medicine", 27 October 2010)

Zhao, Z. and X.H. Su, 2010. Tidal Energy: Technologies and Recent Developments, *IEEE Energy Conference & Exhibition*, Bahrain, 18-22 December 2010.

2009

Ahmed, R., N. Faisal, S. M. Knupfer, A. Paradowska, M. Fitzpatrick, K. A. Khor^{4,f} and J. Cizek, 2009. "Neutron Diffraction Residual Strain Measurements in Plasma Sprayed Nanostructured Hydroxyapatite Coatings for Orthopaedic Implants", The 5th International Conference on Mechanical Stress Evaluation by Neutrons and Synchrotron Radiation, Japan.

Ahmed, R., N. Faisal, R. L. Reuben, A. Paradowska, M. Fitzpatrick, J. Kitamura and S. Osawa, 2009. "Neutron Diffraction Residual Strain measurements in Thermally Sprayed Alumina Coatings Deposited Via Air Plasma and High Velocity Oxy-Fuel Techniques", International Conference on Neutron Scattering, Tennessee, USA, May.

Alamyane A. A. and A. A. Mohamad, 2008. Simulation of Forced Convection in Channel with Extended Surfaces by Lattice Boltzmann Method, Int. Conf. on Mesoscopic Methods in Engineering and Science, June 16-20, Amsterdam, The Netherlands.

Al-Kattan, K., 2009. Clinical Use of Combined PET/CT in Recurrence of Thymoma, Society of Thoracic Surgery, San Francisco, California, USA, 26 – 28 January.

Cormier, G. and N. Rezg, 2009. Analytical Contributions to the Joint Optimization of Maintenance, Production and Subcontracting. International Conference on Industrial Engineering and Systems Management, 13-15 May, Montréal, Québec.

Dechene, D., and A. Shami, 2009. "Experimental Triple-Play Service Delivery Using Commodity Wireless LAN Hardware," *IEEE ICC 2009*, Germany, June.

Erlangga, Y.A., E. Turkel, 2009. Iterative scheme for higher order discretizations to the exterior Helmholtz equation, The 8th International Conference on Spectral and High Order Methods (ICOSAHOM), Trodheim, Norway.

Juurink, B.H.J. 2009. Fumbling towards ecstasy: A journey to understand a small corner of the universe. Editors: C. Rangacharyulu and E. Haven, "Proceedings of the First Interdisciplinary CHES Interactions Conference", 18 pp, World Scientific Publishing, London, UK, in press

Kanabar, P.M., M. G. Kanabar, W. El-Khattam, T.S. Sidhu, A. Shami, 2009. "Evaluation of communication technologies for IEC 61850 based distribution automation system with distributed energy resources," *IEEE Power & Energy Society General Meeting, 2009. PES '09*

Laboy, E. Schaffner, F. Abdelhadi A. & Goosen, M. 2009. "Env Management Sustainable Development and Human Health" ICPQR 2009 19-23 October Alexandria, Egypt

Meerja, K., and A. Shami, 2009. "Theoretic Perspective of a Wireless Media Access Control Scheme for Small Contention Window Sizes," *Proceedings of ISTA 2009*, Kuwait, March.

2008

Al-Kattan, K., 2008. Surgery for Multi-Segmental Bronchiectasis, STS, Riyadh, Saudi Arabia, 18 – 20 March.

Al-Kattan, K., 2008. Plasmapheresis before Thymectomy in Myasthenia Gravis Routine vs. Selective Protocol, 22nd Meeting of European Association of Cardiothoracic Surgery, Lisbon, Portugal, 13 – 17 September

Bai, X., A. Shami, and S. L. Primak, 2008. "Optimal Power Control over Fading Channel with Cross-layer Performance Constraints," *Proceedings of IEEE International Conference on Communications (IEEE ICC) 2008*, Beijing, China.

Gallardo, J. R., Sarai C. Cruz, D. Makrakis, A. Shami, 2008. "Analysis of the EDCA access mechanism for an IEEE 802.11e-compatible wireless LAN," *IEEE ISCC 2008*, July, Marrakesh, Morocco.

Luccini, M., S. Primak, and A. Shami, 2008. "On the Capacity of MIMO Channels and Its Effect on Network Performance," *3rd International Conference on Information and Communication Technologies: From Theory to Applications, (ICTTA 2008)*, April, Damascus, Syria.

Kuzmin A. and A. A. Mohamad, 2008. Multirange Multi-Relaxation Time Shan-Chen Model with Extended Equilibria, Int. Conf. on Mesoscopic Methods in Eng & Sci, June 16-20, Amsterdam, The Netherlands.

Mohamad, A. A., 2008. Meso and Macro-Scales Fluid Flow Simulations with Lattice Boltzmann Method, The 4th Int. Symp. On Fluid Machinery and Fluid Engineering, Nov. 24-27, Beijing, China, pp. 27-32, (invited paper).

Rabi J. and A. A. Mohamad, 2008, Simulation of zero-order transport problems using Lattice-Boltzmann Method: imposition of periodic boundary conditions or suppression of streaming step, 17th Int. Conf. on the Discrete Simulation of Fluid Dynamics, August 4-8, Florianopolis, Brazil.

Salehabadi, M., M. Jin, J. Yang, H. Haghghi, R. Ahmed and B. Tohidi, 2008. "Finite Element Modeling of Casing in Gas Hydrate Bearing Sediments", SPE Conference.

Ummah, K., P.U. Witadi, Y.A. Erlangga, 2008. Waveform tomography with frequency-domain iterative Helmholtz solver, with case study in reflection seismology with small offset, Indonesian Association of Geophysicists (HAGI) Meeting, Bandung, Indonesia.

Conference Abstracts

2011

Cahusac PMB and Senok, SS. 2011. Selective decline in slowly adapting type I mechanoreceptors during development in rat sinus hair follicles. The Physiological Society Meeting, 11 – 14 July, Oxford, UK

Davey, C.R. 2011. "The EFL Curriculum as Change Agent". IAT Technological Education Conference (IAT TEC 2011). 30 March 2011 in Abu Dhabi, UAE.

Goosen, MFA. 2011. Geothermal Energy for Water Desalination, Dalian China Oct 2011

Goosen, MFA 2011, Water Desalination using Renewable Energy, ICHT 2011 Muscat Oman

Goosen, M. F. A. 2011. Environmental Management and Sustainable Development ISWEE 2011, 2-3 March Algeria

Mazi, W., A. Senok, D. Abdullah, S. Al Khaldy 2011. Sustaining hand-hygiene compliance following implementation of the World Health Organization Hand Hygiene Improvement Strategy in a tertiary hospital in Saudi Arabia. 21st European Congress of Clinical Microbiology and Infectious Diseases and the 27th International Congress of Chemotherapy, May

Mazi, W., D. Abdullah, G. Gasem, N. Helali, A. Senok. 2011. Reduction of healthcare-associated infections after implementation of bundle programs in a tertiary care teaching hospital in Saudi Arabia. 21st European Congress of Clinical Microbiology and Infectious Diseases and the 27th International Congress of Chemotherapy, May

2010

Afsar, N. 2010: BIT Life Sciences' 3rd Annual World Cancer Congress, 2010, April 25-27, Shanghai, China

Jalal Karam and Omar Al-Mallah, Extended Results On Commutative and Nil - Semiclean Rings Conference of the International Journal of Arts and Sciences, University of Washington in Rome, Italy, Nov. 22- 25, 2010.

Bernhard H.J. Juurlink. 2010. X-irradiation results in ultraviolet light generation: Possible explanation of x-ray bystander effect? International Conference on Radiation Medicine: Clinical Applications and Innovative Approaches. March 1-4, 2010, King Faisal Specialist Hospital & Research Centre Riyadh, KSA.

Bernhard H.J. Juurlink, Tsun-Kong Sham, L. Dean Chapman, Brian Brewer and Ramaswami Samminaiken. 2010. Can the bystander effect be explained by UV light given off by tissues following x-irradiation? Conjoint Meetings of Biology and Synchrotron Radiation (BSR) and Medical Applications of Synchrotron Research (MASR). February 15-18, 2010, Melbourne, Australia.

Sheldon Wiebe, Bernhard H.J. Juurlink, David Cooper, Zhong Zhong, Ivan Nesch, Edwin Zhang, Brayden Sauve, Dean Chapman 2010. Diffraction Enhanced Imaging Studies to Develop an Animal Model for Growth Plate Fracture. Conjoint Meetings of Biology and Synchrotron Radiation (BSR) and Medical Applications of Synchrotron Research (MASR). February 15-18, 2010, Melbourne, Australia.

Chris Hall, Elisabeth Schultke, Ralf Menk, Fulvia Arfelli, Bernhard H.J. Juurlink and Alberto Astolfo. 2010. Progress in cell marking for synchrotron x-ray computed tomography. Conjoint Meetings of Biology and Synchrotron Radiation (BSR) and Medical Applications of Synchrotron Research (MASR). February 15-18, Melbourne, Australia.

Michèle M. Cowan, Karam Mazen Hamweyah, Mohamed Diya Sabbagh, Bakr Ayman Swaid, Abdulaziz Khaled AlKattan, Paul Ganguly. 2010. Persistent bilateral sciatic arteries: a rare finding of teaching importance. Section of Anatomy, College of Medicine, Alfaisal University, Riyadh, Kingdom of Saudi Arabia. 52nd Annual World Congress ICA, October 13-19, Lexington. Kentucky USA.

Cummings, CC, Rodriguez J, Sadowski B, Hodges B, Rajab MH. 2010. Polypropylene vs. Polyester Mesh in The Lichtenstein Hernia Repair. Invited Presentation. The 15th Annual HMO Research Network Conference. March 22-24, Austin, Texas.

Senok, A., M. Al-Zarouni, N. Al-Zarooni, D. Panigrahi Identification of extended-spectrum beta-lactamase producing Enterobacteriaceae using the Hyplex® ESBL-ID multiplex PCR-ELISA system. 2010. 20th European Congress of Clinical Microbiology and Infectious Diseases; April .

Senok, A., S. Al-Khawaja, A. Ismaeel, G. Botta. 2010 Cytomegalovirus infection in neonatal intensive care units. 20th European Congress of Clinical Microbiology and Infectious Diseases; April

2009

Afsar, N. 2009: 19th Medical Research Society of Pakistan Meeting, at University of Health Sciences and Shaukat Khanum Memorial Hospital & Research Center, Lahore.

Chavez H, Rajab MH, Kuykendall SJ, Bird ET, Wagner KR, Jenkins ER, and Coffield KS. 2009. Incidence of Foley Catheter Related Urethral Injury in A Tertiary Referral Center. South Central Section AUA, Inc. 88th Annual Meeting, Camelback Inn, Scottsdale, Arizona October 14.

Cummings CC, Rajab MH. 2009. Evaluating the Status of Translating Research Into Practice at a Major Academic Healthcare System. Presented and the Health Maintenance Organization Research Network. PA. March.

Erlangga, Y.A., F. J. Herrmann, 2009. Seismic waveform inversion with Gauss-Newton-Krylov method, The 79th Society of Exploration Geophysicists (SEG) Technical Program: Expanded Abstract, Houston, CD ROM.

Erlangga Y.A. and F.J. Herrmann, 2009. Migration with implicit solvers for the time-harmonic Helmholtz equation. The 71st European Association of Geoscientists and Engineers (EAGE) Meeting: Expanded Abstract, Amsterdam.

Herrmann, F.J., Y.A. Erlangga, and T.T.Y. Lin, 2009. Compressive sensing applied to full-waveform inversion. The 71st European Association of Geoscientists and Engineers (EAGE) Meeting: expanded abstract, Amsterdam.

Herrmann, F.J. , Y.A. Erlangga, and T.T.Y. Lin. 2009. Compressive-wavefield simulations. The 8th International Conference on Sampling Theory and Applications (SAMPTA), Marseille

Marchessault, Wild, Hix-Hernandez, Rajab MH, Beaver D, Shabahang M. 2009. Validation of POSSUM as a Measure of Postoperative Morbidity Following Pancreatic Surgery. Accepted for oral presentation by The Society of Surgical Oncology, Phoenix AZ, March.

McNeal C, Mahjoobi M, Kjar D, Rajab MH, Erwin JP. 2009. Guidelines Based Adherence of Aspirin Use: Results from a Self-Reported Web Based Survey. Presented at the American Heart Association.

Shabahang M, Dragoo DM, Wiatrek RL, Ashley P, Song J, Rajab MH, Neese P, Montgomery M, Wong L., 2009. Hepatocellular carcinoma (HCC): An Institutional Review. Presented at the Gastrointestinal Cancers Symposium. San Francisco, CA. January.

Wehbe-Janeck H, Pliego J. Villamaria FJ. Rajab MH, Sheather S. 2009. Simulation-Based Training Promotes Rapid Response Team Utilization. Accepted for oral presentation by the International Meeting for the Society for Simulation in Healthcare, January.

Yaqinuddin A, Qureshi SA, Abbas F, 2009. "Frequent hypermethylation of RASSF1A and APC in Prostate cancer of Pakistani origin" Urology (Presented in SIU).

2008

Al Bakri, A. 2008. Safety Strategies. Paper presented in the PRI Conference, PRI, Abu Dhabi, UAE. November.

Erlangga, Y.A., F.J. Herrmann, 2008. An iterative multilevel method for computing wavefields in frequency-domain seismic inversion, The 78th Society of Exploration Geophysicists (SEG) Technical Program: Expanded Abstract, Las Vegas.

Lin, T.T.Y., E. Lebed, Y.A. Erlangga, F.J. Herrmann, 2008. Interpolating solutions of the Helmholtz equation with compressed sensing, The 78th Society of Exploration Geophysicists (SEG) Technical Program: Expanded Abstract, Las Vegas.

Yu T. and Yisang Yoon. 2008. Mitochondrial morphology is an active factor regulating mitochondrial function. *Molecular Biology of the Cell* 19 (Suppl), 2008. Presented at 48th Annual Meeting of the American Society for Cell Biology, San Francisco, Dec 13-17, USA.

Yu, T., Shey-Shing Sheu, James L. Robotham, Yisang Yoon. 2008. Mitochondrial fission participates in overproduction of reactive oxygen species and cell injury in hyperglycemic conditions. Presented at Mitochondrial Biology in Cardiovascular Health & Diseases Conference. October 6 and 7. National Institutes of Health, Bethesda, Maryland, USA.

Yu, T., Shey-Shing Sheu, James L. Robotham, Yisang Yoon. 2008. *Mitochondria* 9(1): 72, 2009. Oral presented at Indy 2008: Setting the Pace in Mitochondrial Medicine Scientific Meeting. June 25-28, 2008 in Indianapolis, Indiana, USA.

Invited Speaker

2011

Afsar, NA. 2011: Invited lecture (Basic Sciences) at 10th Shaukat Khanum Memorial Cancer Symposium, to be held at Pearl Continental Hotel, Lahore, November 18-20, 2011.

Davey, C.R. 2011. "Research in the Humanities in Saudi Arabia: Few carrots and even fewer sticks". Research Centre Colloquium. College of Languages and Translation, King Khalid University, Abha. 22 February 2011.

Erlangga, Y.A., 2011. Multilevel Iterations with Krylov Methods, Seminar in Applied Mathematics, King Abdullah University of Science and Technology (KAUST), 3 May.

Ganguly, P.K. 2011. Diabetes, hyperhomocysteinemia and stroke: the missing link. Invited symposium speaker. 4th World Conference of International Academy of Cardiovascular Sciences, February 1-3, Vadodara

Swazo, N.K. 2011. "Defeasible Logic in Contemporary Bioethics: On the Relevance of both Casuistry and Islamic *Ijtihad*," Paper for presentation in Joint Plenary Session at International Workshop on "Professional Ethics in a Globalized World," May 11-12, Doha Qatar

2010

Afsar, NA 2010: Invited lecture (Basic Sciences) at 9th Shaukat Khanum Memorial Cancer Symposium, held at Pearl Continental Hotel, Lahore, November 26-28, 2010.

Al-Haddad, K.; Key 2010 Orchid Masedonia: 14th European Power Electronic Conference, 9 September.

Alkattan, A. K. 2010. Measuring the Hippocampus and its Relation to Alzheimer's Dementia. The 7th. Scientific Conference for Medical Students in the GCC Countries. Jeddah, Kingdom of Saudi Arabia, February 13-16.

AlKattan, K. 2010. Chair, Scientific Session 1: 'Upper GI / Thoracic Surgery' 1st Saudi Surgical Research and Resident's Day, Four Seasons Hotel, Riyadh, Saudi Arabia, 04 February.

Al Mahmoud, A. F., Abuzaid, A. M., Abbrar, M. S., Nurhussen, A., Al Amoudi, A. and Rajab, H. 2010. Impact of the Early Islamic Era on Medical Accountability. The 7th. Scientific Conference for Medical Students in the GCC Countries. Jeddah, Kingdom of Saudi Arabia, February 13-16.

Ganguly, P. 2010. 'Cardiovascular Research-Middle East Experience' St Boniface General Hospital Seminar Series, April 19.

Ganguly, P. 2010. Invited to give three lectures in neuroscience at King Faisal Specialty Hospital and Research Centre, February.

Juurlink, B. 2010. "Phytochemicals, anti-oxidant genes, MAP kinases and nutrigenomics". Keynote Lecture at the BioCumbre Monterrey 2010 conference in Monterrey, Mexico, November 18.

Juurlink, B.H.J. 2010. Clinical research/basic research; bridging the divide. Department of Cardiology, King Faisal Specialist Hospital and Research Centre, Jeddah, KSA, June 23, 2010.

Juurlink, B. H. J. 2010. Seminar at KACST (March 2) entitled "Novel use of x- rays to track and treat cancers".

Juurlink, B. H. J. 2010. Hippocrates, 2010. 'Dictum and The Clash Between Public Good and Private Good as well as the Clash Between Individual Risk and Societal Benefit'. Third European conference Scientific Publishing in Biomedicine and Medicine. Leiden, the Netherlands, May 27-29.

Juurlink, B. H. J. 2010. 'X-irradiation results in ultraviolet light generation: Possible explanation of x-ray bystander effect?' International Conference on Radiation Medicine: Clinical Applications and Innovative Approaches. March 1-4, King Faisal Specialist Hospital & Research Centre Riyadh, KSA.

Juurlink, B. H. J. 2010. 'Can the bystander effect be explained by UV light given off by tissues following x-irradiation?' Conjoint Meetings of Biology and Synchrotron Radiation (BSR) and Medical Applications of Synchrotron Research (MASR). February 15-18, Melbourne, Australia.

Juurlink, B. H. J. 2010. 'Fumbling Towards Ecstasy' presented at the CHESS Interactions Conference organized by the University of Leicester, University of Saskatchewan and Växjö University held August 17-21, Saskatoon, Saskatchewan, Canada.

Swazo, N.K. 2010. "The BP Oil Spill in the Gulf of Mexico: Evaluating Ethical Issues," a presentation at Texas A&M University, Qatar campus, 05 October 2010 (for Department of Mechanical Engineering, Engineering Ethics course and as public lecture)

2009

Afsar, NA. 2009: Co-author of a synopsis titled 'Nanomolecular Transport System: Models for Gene and Drug Delivery' presented at University of Hyderabad, India.

AlKattan, K. 2009. Research Advisory Council, Co-Investigators, 'Advances in Non-Small Cell Cancer, Multi Centric European Study with King Faisal Specialist Hospital & Research Centre, 2009.

AlKattan, K. 2009. Broncho-Plueral Fistula, Advances in Thoracic, Surgery, 'Advances in Thoracic Surgery', Bromton Hospital – London, UK, 05 – 06 November.

- AlKattan, K. 2009. Speaker, Medical Education Club, Lecture: 'Student Centered Education' Riyadh, Saudi Arabia, Riyadh, Saudi Arabia, 05 May.
- AlKattan, K. 2009. Speaker, 2nd International Conference Clinical Oncology, 'Update Lung Cancer Staging' Riyadh, Saudi Arabia, 02 – 04 May.
- AlKattan, K. 2009. Speaker, 3rd RMH Symposium Update in Surgery, 'Surgery for Active TB' 28 – 30 March, Riyadh, Saudi Arabia.
- Al Kattan, K. 2009. Speaker, 51st International Egyptian Society of Chest Diseases and TB, 'Role of Surgery in TB'. 24 – 27 March, Cairo, Egypt
- Al Kattan, K. 2009. Chairman, 7th Saudi Thoracic Society, Riyadh, Saudi Arabia, 17 – 19 March.
- Al Kattan, K. 2009. Advances in *Non-Small Cell Cancer*, Multi Centric European Study, King Faisal Specialist Hospital & Research Centre.
- Al Kattan, K. 2009. Clinical Use of Combined PET/CT in Recurrence of Thymoma, Society of Thoracic Surgery, San Francisco, California, USA, 26 – 28 January.
- Erlangga, Y.A., 2009. Algebraic multilevel Krylov methods, Pacific Northwest Numerical Analysis Seminar, Vancouver, September 26
- Ganguly, P. 2009. 'The auditory pathway (structure and function)', Monday November 16, at New training Centre, KFSH&RC.
- Ganguly, P. 2009. 'The visual Pathway (structure and function)' Wednesday November 18, at New training centre, KFSHR.
- Ganguly, 2009. 'Practical (Lab activities)' Wednesday December 16th, KFSH&RC/Alfaisal University.
- Juurlink, B. H. J. 2009. 'Dietary Phase 2 Protein Inducers (P2PIs) To Ameliorate Aging-Related Disease' presented at the Third International Conference on Disability Research held March 22-26, Riyadh, KSA.
- Juurlink, B. H. J. 2009. Seminar at Alfaisal University (December 9) entitled "Rage, rage, against the dying of the light".
- Khraibi, A. 2009. 'Renal Function in Normal Pregnancy'. KACST-Natural Resources & Environmental Research Institute (NRERI) / Alfaisal University Seminar Series. Riyadh, Kingdom of Saudi Arabia, December 29.
- Khraibi, A. 2009. 'Initiation and Nerve Conduction of Impulses, and Transmission of Impulses Across Junctions'. King Faisal Specialist Hospital and Research Center, Training and Development Center – Neurophysiology Technology Program October 31-November 2. Riyadh, Kingdom of Saudi Arabia.
- Khraibi, A. 2009. Renal Function Adaptations to Normal Pregnancy. Medical Grand Rounds, King Faisal Specialist Hospital and Research Center. Riyadh, Kingdom of Saudi Arabia, June 15.
- Kharabi, A. 2009. Renal Function in Normal Pregnancy. KACST-Natural Resources & Environmental Research Institute (NRERI) / Alfaisal University Seminar Series. Riyadh, Kingdom of Saudi Arabia, December 29
- Yu, T. 2009. 'Mitochondrial dynamics and reactive oxygen species during diabetes'. May 6, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA.
- Yu, T. 2009. CABA 2009 'Medical Device & Diagnostics Symposium'. December 5. Massachusetts Institute of Technology (MIT), Cambridge, MA, USA.

2008

- Erlangga, Y.A, 2008. Multilevel Krylov-Multigrid Method for the 2D Indefinite Helmholtz Equation, Householder Meeting XVII, Zeuthen, Berlin, June 1-6

Conferences/Symposia/Workshops Attended

2011

Afsar, NA. 2011 Apr: Workshop for METIman® utility in undergraduate medical curriculum, organized by METIman® and Alfaisal University, Riyadh, Saudi Arabia.

Davey, C.R. 2011. IAT Technological Education Conference (IAT TEC 2011). 30-31 March 2011. Abu Dhabi, UAE.

Kulsoom, B. 2011 Apr: Workshop for METIman® utility in undergraduate medical curriculum, organized by METIman® and Alfaisal University, Riyadh, Saudi Arabia.

Senok, A. 2011. 21st European Congress of Clinical Microbiology and Infectious Diseases and the 27th International Congress of Chemotherapy, Milan Italy, 7-10 May

Swazo, N.K. 2011. "Rethinking the Nuclear Energy Option in the Arabian Gulf: Integrating Ethical and Technical Judgment," Symposium on Ethics of Environmental Health, Prague, Czech Republic, 24-28 August 2011 (accepted for presentation)

2010

Afsar, NA. 2010 Dec: Medical Education Workshop, Jointly organized by Alfaisal University, Riyadh, KSA and Partner Harvard Medical Institutes, Boston, USA.

Afsar, NA. 2010 Dec: KPI Familiarization, Alfaisal University, Saudi Arabia.

Afsar, NA. 2010 May: 'Clinical Trials' Pakistan Medical Association, Karachi, Pakistan.

AlKattan, K. 2010. 5th Annual General Surgery Conference, King Khalid University Hospital, 06 – 08 February.

Khraibi, A. 2010. 7th. Scientific Conference for Medical Students in the GCC Countries. Jeddah, Kingdom of Saudi Arabia, February 13-16.

Kulsoom, B. 2010 Dec: Medical Education Workshop, Jointly organized by Alfaisal University, Riyadh, KSA and Partner Harvard Medical Institutes, Boston, USA.

Kulsoom, B. 2010 Dec: KPI Familiarization, Alfaisal University, Saudi Arabia.

Kulsoom, B. 2010: 'Instructional Methods' Ziauddin University, Karachi, Pakistan.

2009

Afsar, NA. 2009 Jun: 'Communication Skills' Ziauddin University, Karachi, Pakistan.

Al-Kattan, W. 2009. Macy Program, Diploma Program for Educators and Health Care Professionals, Harvard Macy Institute, Boston, USA, January.

Butler, T. 2009. 14th. World Diabetes Day. Riyadh, Kingdom of Saudi Arabia, November 12.

Ganguly, P. 2009. 4th. World Diabetes Day. Riyadh, Kingdom of Saudi Arabia, November 12.

Juurlink, B. 2009. 14th. World Diabetes Day. Riyadh, Kingdom of Saudi Arabia, November 12.

Khraibi, A. 2009. 14th. World Diabetes Day. Riyadh, Kingdom of Saudi Arabia, November 12.

Kulsoom, B. 2009: 'Communication Skills' Ziauddin University, Karachi.

Kulsoom, B. 2009: 2nd Seminar on Laboratory Biosafety held at Aga Khan University, Karachi, Pakistan with collaboration of Pakistan Biological Safety Association and Biosecurity Engagement Program US State Department.

Kulsoom, B. 2009: 'Hematology Oncology Update', National Institute of Blood Disease and Bone Marrow Transplantation, Karachi, Pakistan.

Rajab, M. H. 2009. 14th. World Diabetes Day. Riyadh, Kingdom of Saudi Arabia, November 12.

Swazo, N.K. 2009. Ethical and Policy Issues at the Cutting Edge of Stem Cell Science, Case Western Reserve University School of Medicine and Harvard Stem Cell Institute, 15-19 June.

Yu, T. 2009. 14th. World Diabetes Day. Riyadh, Kingdom of Saudi Arabia, November 12.

2008

Kumar, S. 2008. Developing Postgraduate Assessment Programs: Building a Framework. Aga Khan University, Pakistan. May 31.

Swazo, N.K. 2008. First Meeting of the Eastern Mediterranean and Arab Forum on Bioethics in Research. Cairo Egypt, 12-14 August.