

JUST Publications in 2009

- 1) Ababneh, I. 2009. On submesh allocation for 2D mesh multicomputers using the free-list approach: Global placement schemes. *Performance Evaluation* 66, (2): 105-120.
- 2) Ababneh, K., and T. Al-Khateeb. 2009. Aggressive pregnancy tumor mimicking a malignant neoplasm: A case report. *The journal of contemporary dental practice* 10, (6): E072-078.
- 3) Ababneh, Z. Q., A. M. Alyassin, K. M. Aljarrah, and A. M. Ababneh. 2009. Measurement of natural and artificial radioactivity in powdered milk consumed in Jordan and estimates of the corresponding annual effective dose. *Radiation Protection Dosimetry* 138, (3): 278-283.
- 4) Abdulla, F., T. Eshtawi, and H. Assaf. 2009. Assessment of the impact of potential climate change on the water balance of a semi-arid watershed. *Water Resources Management* 23, (10): 2051-2068.
- 5) Abdulla, F. A., and A. W. Al-Shareef. 2009. Roof rainwater harvesting systems for household water supply in Jordan. *Desalination* 243, (1-3): 195-207.
- 6) Abdullah, A. Y., M. M. Muwalla, R. I. Qudsieh, and H. H. Titi. 2009. Effect of bitter vetch (*Vicia ervilia*) seeds as a replacement protein source of soybean meal on performance and carcass characteristics of finishing Awassi lambs. *Tropical animal health and production*: 1-8.
- 7) Abdullah, A. Y., and R. I. Qudsieh. 2009. Effect of slaughter weight and aging time on the quality of meat from Awassi ram lambs. *Meat Science* 82, (3): 309-316.
- 8) Abeeleh, M. A., Z. B. Ismail, K. R. Alzaben, S. A. Abu-Halaweh, M. K. Al-Essa, J. Abuabeeleh, and M. M. Alsmady. 2009. Induction of diabetes mellitus in rats using intraperitoneal streptozotocin: A comparison between 2 strains of rats. *European Journal of Scientific Research* 32, (3): 398-402.
- 9) Abo-Shehada, M. N. 2009. Seroprevalence of brucella species in equids in Jordan. *Veterinary Record* 165, (9): 267-268.
- 10) Abualrub, R. F., F. H. Omari, and A. F. Abu Al Rub. 2009. The moderating effect of social support on the stress-satisfaction relationship among Jordanian hospital nurses. *Journal of nursing management* 17, (7): 870-878.
- 11) Abualrub, R. F., F. H. Omari, and I. M. Al-Zaru. 2009. Support, satisfaction and retention among Jordanian nurses in private and public hospitals. *International nursing review* 56, (3): 326-332.
- 12) Abu-Basha, E. A., R. Gehring, T. M. Hantash, A. F. Al-Shunnaq, and N. M. Idkaidek. 2009. Pharmacokinetics and bioavailability of sulfadiazine and trimethoprim following intravenous, intramuscular and oral administration in ostriches (*Struthio camelus*). *Journal of veterinary pharmacology and therapeutics* 32, (3): 258-263.
- 13) Abuein, Q. Q., M. Q. Shatnawi, and R. M. Batiha. 2009. Expanded grammar for detecting equivalence in math expressions. *2009 3rd IEEE International Conference on Digital Ecosystems and Technologies, DEST '09*: 575-580.
- 14) Abu-Ekteish, F., S. Ootom, and I. Shehabi. 2009. Prevalence of asthma in Jordan: Comparison between Bedouins and urban schoolchildren using the international study of asthma and allergies in childhood phase III protocol. *Allergy and Asthma Proceedings* 30, (2): 181-185.
- 15) Abu-Obeid, N., F. K. Malkawi, K. Nassar, and B. Al-eideh. 2009. Cognitive-mathematical approaches for evaluating architectural contextual fit. *Nexus Network Journal* 11, (2): 163-182.

- 16) Aburahma, S. K., T. Al-Khateeb, A. Alrefai, and Z. Amarin. 2009. Botulinum toxin a injections for the treatment of schwartz-jampel syndrome: A case series. *Journal of child neurology* 24, (1): 5-8.
- 17) Aburahma, S. K., A. G. M. Anabtawi, H. S. Al Rimawi, M. A. Elheis, and A. H. Mohtaseb. 2009. Idiopathic hypertrophic pachymeningitis in a child with hydrocephalus. *Pediatric neurology* 40, (6): 457-460.
- 18) Abushaikha, L., S. Omran, and L. Barrouq. 2009. Osteoporosis knowledge among female school students in jordan. *Eastern Mediterranean Health Journal* 15, (4): 906-911.
- 19) Abushaikha, L., and H. Saca-Hazboun. 2009. Job satisfaction and burnout among palestinian nurses. *Eastern Mediterranean Health Journal* 15, (1): 190-197.
- 20) Ahmad Al-Akour, N., M. Khassawneh, Y. Khader, and E. Dahl. 2009. Sex preference and interest in preconception sex selection: A survey among pregnant women in the north of jordan. *Human Reproduction* 24, (7): 1665-1669.
- 21) Ahmad, A., S. Saq'an, B. Lahlouh, M. Hassan, A. Alsaad, and H. El-Nasser. 2009. Ellipsometric characterization of PbI₂ thin film on glass. *Physica B: Condensed Matter* 404, (1): 1-6.
- 22) Ahmad, M. A. -A, D. Veljanovski, A. Capapé, J. Zhao, E. Herdtweck, M. J. Calhorda, and F. E. Kühn. 2009. Kinetic studies on the oxidation of n5-cyclopentadienyl methyl tricarbonyl molybdenum(Π) and the use of its oxidation products as olefin epoxidation catalysts. *Organometallics* 28, (2): 639-645.
- 23) Akhu-Zaheya, L. M., and S. S. Dickerson. 2009. Jordanian patients' and caregivers' use of the internet for seeking health information. *CIN - Computers Informatics Nursing* 27, (3): 184-191.
- 24) Al Barbarawi, M., W. Khriesat, S. Qudsieh, H. Qudsieh, and A. A. Loai. 2009. Management of intramedullary spinal cord abscess: Experience with four cases, pathophysiology and outcomes. *European Spine Journal* 18, (5): 710-717.
- 25) Al Ghzawi, A. A. -M, S. Zaitoun, and H. Shannag. 2009. Management of braula orientalisÖrösi (diptera: Braulidae) in honeybee colonies with tobacco smoke under semiarid conditions: RESEARCH PAPER. *Entomological Research* 39, (3): 168-174.
- 26) Al Habashneh, R., Y. Khader, M. M. Hammad, and M. Almuradi. 2009. Knowledge and awareness about diabetes and periodontal health among jordanians. *Journal of diabetes and its complications*.
- 27) Al Omari, M., Y. Khader, A. S. Dauod, N. Al-Akour, A. H. Khassawneh, E. Al-Ashker, and A. Al-shdifat. 2009. Glycaemic control among patients with type 2 diabetes mellitus treated in primary care setting in jordan. *Primary Care Diabetes* 3, (3): 173-179.
- 28) Al Omari, M., Y. Khader, K. Jadallah, A. S. Dauod, and A. A. K. Al-Shdifat. 2009. Awareness, attitude and practice of evidence-based medicine among primary health care doctors in jordan. *Journal of evaluation in clinical practice* 15, (6): 1131-1136.
- 29) Al Omari, M., Y. Khader, K. Jadallah, A. S. Dauod, A. A. K. Al-Shdifat, and N. M. Khasawneh. 2009. Evidence-based medicine among hospital doctors in jordan: Awareness, attitude and practice. *Journal of evaluation in clinical practice* 15, (6): 1137-1141.
- 30) Al Quran, F. A., B. A. Rashan, and Z. N. Al-Dwairi. 2009. Management of dental implant fractures. A case history. *The Journal of oral implantology* 35, (4): 210-214.

- 31) Al Zahrani, M. S., and S. Kiwan. 2009. Mixed convection heat transfer in the annulus between two concentric vertical cylinders using porous layers. *Transport in Porous Media* 76, (3): 391-405.
- 32) Al-Ajlouni, A. M., A. Gunyar, M. -D Zhou, P. N. W. Baxter, and F. E. Kühn. 2009. Adduct formation of dichloridodioxidoniolybdenum(vi) and methyltrioxidorhenium(vii) with a series of bidentate nitrogen donor ligands. *European Journal of Inorganic Chemistry*(8): 1019-1026.
- 33) Al-Ajlouni, A. M., K. Q. Shawakfeh, and R. Rajal. 2009. Kinetic and mechanistic studies on the reactions of peroxyxynitrite with estrone and phenols. *Kinetics and Catalysis* 50, (1): 88-96.
- 34) Al-Akhras, N. M., K. M. Al-Akhras, and M. F. Attom. 2009. Performance of olive waste ash concrete exposed to elevated temperatures. *Fire Safety Journal* 44, (3): 370-375.
- 35) Al-Akour, N. 2009. Relationship between parental knowledge of fetal gender and newborns' birthweight among jordanian families. *International journal of nursing practice* 15, (2): 105-111.
- 36) Al-Akour, N., and Y. S. Khader. 2009. Having a child with asthma--quality of life for jordanian parents. *International journal of nursing practice* 15, (6): 574-579.
- 37) Al-Alami, J. R., K. Bani-Hani, M. N. Khabaz, and K. A. Ahmed. 2009. Helicobacter pylori infection can be linked to low levels of serum cobalamins. *Australian Journal of Basic and Applied Sciences* 3, (3): 1898-1902.
- 38) Alali, F. Q., K. Tawaha, and M. Gharaibeh. 2009. LC-MS and LC-PDA analysis of hypericum empetrifolium and hypericum sinaicum. *Zeitschrift fur Naturforschung - Section C Journal of Biosciences* 64, (7-8): 476-482.
- 39) Al-Asheh, S., F. Banat, and A. A. Fara. 2009. Dehydration of ethanol-water azeotropic mixture by adsorption through phillipsite packed-column. *Separation Science and Technology* 44, (13): 3170-3188.
- 40) Al-Ata, M., and M. T. Hayajneh. 2009. An investigation of bell mouthing in precision hole machining with self-piloting tools. *International Journal of Advanced Manufacturing Technology* 43, (1-2): 22-32.
- 41) Al-Ayyaoub, I. 2009. Normality of monomial ideals. *Rocky Mountain Journal of Mathematics* 39, (1): 1-9.
- 42) Al-Ayyoub, I. 2009. An algorithm for computing the ratliff-rush closure. *Journal of Algebra and its Applications* 8, (4): 521-532.
- 43) ———2009. Reduced gröbner bases of certain toric varieties; a new short proof. *Communications in Algebra* 37, (9): 2945-2955.
- 44) Al-Azzam, S. I., M. J. Al-Ajlony, T. Al-Khateeb, K. H. Alzoubi, N. Mhaidat, and A. Ayoub. 2009. An audit of the precipitating factors for haemolytic crisis among glucose-6-phosphate dehydrogenase-deficient paediatric patients. *Journal of medical screening* 16, (4): 167-169.
- 45) Al-Badarneh, A., and M. Tawil. 2009. Linear R-tree revisited. *International Journal of Computers and Applications* 31, (2): 74-83.
- 46) Al-Barbarawi, M. M., S. M. Qudsieh, M. A. Ghazzawi, and S. F. Smith. 2009. Glioblastoma multiforme of the cerebellum. *Neurosciences* 14, (1): 84-88.
- 47) Albashaireh, Z. S., M. Ghazal, and M. Kern. 2009. Effect of acid conditioning of root canal dentin on the retention of adhesively luted glass fiber-reinforced composite (FRC) posts. *American Journal of Dentistry* 22, (6): 376-380.

- 48) Albashaireh, Z. S. M., A. A. Alhusein, and M. M. Marashdeh. 2009. Clinical assessments and patient evaluations of the esthetic quality of maxillary anterior restorations. *International Journal of Prosthodontics* 22, (1): 65-71.
- 49) AL-Beitawi, N. A., S. S. EL-Ghousein, and A. H. Nofal. 2009. Replacing bacitracin methylene disalicylate by crushed nigella sativa seeds in broiler rations and its effects on growth, blood constituents and immunity. *Livestock Science* 125, (2-3): 304-307.
- 50) Albiss, B. A., I. M. Obaidat, M. Gharaibeh, W. Hatamleh, S. A. Barhoum, and M. K. Hasan. 2009. Magneto-transport properties of polycrystalline $YBa_2(Cu_{1-x}Mx)_3O_{7-\delta}$ ($M = B$ and mn). *Crystal Research and Technology* 44, (9): 930-936.
- 51) Alboqai, O., A. Suleiman, H. Al Hourani, B. Obeidat, N. Abuirmeileh, J. M. El-Qudah, and M. M. Al Masad. 2009. Central adiposity rather than overall obesity influences cardio-metabolic risk factors among adult males in northern Jordan. *Diabetologia Croatica* 38, (3): 73-82.
- 52) Albsoul, N. M., M. N. BaniHani, K. Al-Muqbel, N. R. AlWaqfi, A. R. Al Manasra, F. F. Hamdan, and N. A. Younes. 2009. Hurthle cell carcinoma: Expanded view. *Jordan Medical Journal* 43, (4): 333-340.
- 53) Al-Chalabi, L. A., S. R. Alwash, and A. H. Ataallah. 2009. Robust internal model current control for doubly-fed induction generator. *Proceedings of the 11th IASTED International Conference on Control and Applications, CA 2009*: 109-115.
- 54) Aldoss, T. K. 2009. Natural convection from a horizontal annulus filled with porous medium of variable permeability. *Journal of Porous Media* 12, (7): 715-724.
- 55) Al-Duwairi, B., and G. Manimaran. 2009. JUST-google: A search engine-based defense against botnet-based DDoS attacks. *IEEE International Conference on Communications*.
- 56) Aldwairi, M., R. Duwairi, and W. Alqarqaz. 2009. A classification system for predicting RNA hairpin loops. *Proceedings - 2009 International Joint Conference on Bioinformatics, Systems Biology and Intelligent Computing, IJCBS 2009*: 109-115.
- 57) Al-Ghazo, M. A., I. F. Ghalayini, Y. S. Matani, and I. H. Bani-Hani. 2009. Immediate surgical repair of penile fracture: Experience in 14 cases. *Jordan Medical Journal* 43, (4): 274-279.
- 58) Al-Ghazo, M. A., I. F. Ghalayini, Y. S. Matani, K. M. El-Radaideh, and H. I. Haddad. 2009. The risk of bacteriuria and ureteric stent colonization in immune-compromised patients with double J stent insertion. *International urology and nephrology*: 1-5.
- 59) Al-Ghzawi, A. A. -M, N. Samarah, S. Zaitoun, and A. Alqudah. 2009. Impact of bee pollinators on seed set and yield of vicia villosa spp. dasycarpa (leguminosae) grown under semiarid conditions. *Italian Journal of Animal Science* 8, (1): 65-74.
- 60) Al-Habashneh, R., M. A. Al-Omari, and D. Q. Taani. 2009. Smoking and caries experience in subjects with various form of periodontal diseases from a teaching hospital clinic. *International journal of dental hygiene* 7, (1): 55-61.
- 61) Al-Hadithi, R. H., M. S. Alorjani, S. M. Al-Bashir, and I. I. Matalka. 2009. Diaphragm disease of the jejunum. *Saudi medical journal* 30, (5): 702-704.
- 62) Al-Harashseh, A., M. Al-Harashseh, A. Al-Otoom, and M. Allawzi. 2009. Effect of demineralization of el-lajjun Jordanian oil shale on oil yield. *Fuel Processing Technology* 90, (6): 818-824.

- 63) Al-Hashem, F., M. Dallak, N. Bashir, M. Abbas, R. Elessa, M. Khalil, and M. Al-Khateeb. 2009. Camel's milk protects against cadmium chloride induced toxicity in white albino rats. *American Journal of Pharmacology and Toxicology* 4, (3): 107-117.
- 64) Alhusban, M. A., and R. F. Abualrub. 2009. Patient satisfaction with nursing care in Jordan. *Journal of nursing management* 17, (6): 749-758.
- 65) Ali, H. H., and S. F. Al Nsairat. 2009. Developing a green building assessment tool for developing countries - case of Jordan. *Building and Environment* 44, (5): 1053-1064.
- 66) Ali, H. H., H. M. Almomani, and M. Hindeih. 2009. Evaluating indoor environmental quality of public school buildings in Jordan. *Indoor and Built Environment* 18, (1): 66-76.
- 67) Ali, H. H., F. K. Malkawi, and Y. N. Al-Betawi. 2009. Quality of life in cities: Setting up criteria for Amman-Jordan. *Social Indicators Research* 93, (2): 407-432.
- 68) Ali, M., A. Salhieh, Y. Khamayseh, and R. Al-Gharaibeh. 2009. Using immersive virtual reality as an application for knowledge dissemination: A framework for a generic i-teacher. *International Journal of Learning* 16, (9): 9-18.
- 69) Ali, M. Z. A., S. M. Easa, and M. Hamed. 2009. Stop-controlled intersection sight distance: Minor road on tangent of horizontal curve. *Journal of Transportation Engineering* 135, (9): 650-657.
- 70) Al-Jamali, A. F., and M. T. Bani Hani. 2009. Croplife-B with nitrous oxide or carbon dioxide extends shelf life of green beans (*Phaseolus vulgaris* L.) at ambient temperatures. *Journal of Food, Agriculture and Environment* 7, (1): 38-43.
- 71) Al-Jarrah, M. D., M. E. Nazzal, M. A. Jamous, M. A. Azab, and M. F. Maayah. 2009. Association between the functional independence measure and Glasgow coma scale regarding the rehabilitation outcomes of traumatic brain injury. *Neurosciences* 14, (1): 41-44.
- 72) Al-Jarrah, O., and O. Megdadi. 2009. Enhanced AODV routing protocol for Bluetooth scatternet. *Computers and Electrical Engineering* 35, (1): 197-208.
- 73) Al-Jauissy, M. S., M. Al-Hassan, and L. Akhu-Zaheya. 2009. Healthcare needs of noninstitutionalized Jordanian cancer patients: An exploratory descriptive study. *Cancer Nursing* 32, (4): 291-298.
- 74) Al-Jundi, S. H., I. M. Dabous, and G. A. Al-Jamal. 2009. Craniofacial morphology in patients with hypophosphataemic vitamin-D-resistant rickets: A cephalometric study. *Journal of Oral Rehabilitation* 36, (7): 483-490.
- 75) Alkhamis, K. A. 2009. Influence of solid-state acidity on the decomposition of sucrose in amorphous systems II (effect of buffer). *Drug Development and Industrial Pharmacy* 35, (4): 408-416.
- 76) Alkhamis, K. A., M. S. Salem, and M. S. Khanfar. 2009. Determination of the mechanism of uptake of organic vapors by chitosan. *Pharmaceutical Development and Technology* 14, (1): 90-95.
- 77) Alkhasawneh, I. M., L. M. Akhu-Zaheya, and S. M. Suleiman. 2009. Jordanian nurses' knowledge and practice of breast self-examination. *Journal of Advanced Nursing* 65, (2): 412-416.
- 78) Alkhateeb, A., A. Uzrail, and K. Bodoor. 2009. Frequency of the hemochromatosis gene (HFE) variants in a Jordanian Arab population and in diabetics from the same region. *Disease Markers* 27, (1): 17-22.

- 79) Al-Khateeb, G., and I. Basheer. 2009. A three-stage rutting model utilising rutting performance data from the hamburg wheel-tracking device (WTD). *Road and Transport Research* 18, (3): 12-25.
- 80) Al-Khateeb, T. H., N. M. Al-Masri, and F. Al-Zoubi. 2009. Cutaneous cysts of the head and neck. *Journal of Oral and Maxillofacial Surgery* 67, (1): 52-57.
- 81) Al-Majali, A. M., and M. Shorman. 2009. Childhood brucellosis in Jordan: Prevalence and analysis of risk factors. *International Journal of Infectious Diseases* 13, (2): 196-200.
- 82) Al-Majali, A. M., A. Q. Talafha, M. M. Ababneh, and M. M. Ababneh. 2009. Seroprevalence and risk factors for bovine brucellosis in Jordan. *Journal of Veterinary Science* 10, (1): 61-65.
- 83) Al-Mashaqbeh, G. A., J. N. Al-Karaki, and S. M. Bataineh. 2009. Clear: A cross-layer enhanced and adaptive routing framework for wireless mesh networks. *Wireless Personal Communications* 51, (3): 449-482.
- 84) Al-Mehaisen, L. M., O. Al-Kuran, I. Lataifeh, and I. Ramsay. 2009. Effect of abdominal hysterectomy on developing urinary and faecal incontinence later in life. *Journal of Obstetrics and Gynaecology* 29, (8): 742-748.
- 85) Almomani, F., K. Williams, D. Catley, and C. Brown. 2009. Effects of an oral health promotion program in people with mental illness. *Journal of dental research* 88, (7): 648-652.
- 86) Al-Mothafar, M. R. D. 2009. Bifurcation diagrams of modular current-mode controlled boost-derived dc-dc converters. *International Journal of Modelling and Simulation* 29, (1): 52-61.
- 87) Al-Muqbel, K., M. Bani Hani, M. Daradkeh, and A. Rashdan. 2009. Usefulness of fatty meal-stimulated cholecystigraphy in the diagnosis and treatment of chronic acalculous cholecystitis. *Annals of Nuclear Medicine* 23, (2): 137-142.
- 88) Al-Muqbel, K. M. 2009. Diagnostic value of gallbladder emptying variables in chronic acalculous cholecystitis as assessed by fatty meal cholecystigraphy. *Nuclear medicine communications* 30, (9): 669-674.
- 89) Al-Nabulsi, A. A., T. M. Osaili, M. A. Al-Holy, R. R. Shaker, M. M. Ayyash, A. N. Olaimat, and R. A. Holley. 2009. Influence of desiccation on the sensitivity of Cronobacter spp. to lactoferrin or nisin in broth and powdered infant formula. *International journal of food microbiology* 136, (2): 221-226.
- 90) Al-Nabulsi, A. A., T. M. Osaili, R. R. Shaker, A. N. Olaimat, M. M. Ayyash, and R. A. Holley. 2009. Survival of Cronobacter species in reconstituted herbal infant teas and their sensitivity to bovine lactoferrin. *Journal of Food Science* 74, (9): M479-M484.
- 91) Al-Nammari, F. M., and M. K. Lindell. 2009. Earthquake recovery of historic buildings: Exploring cost and time needs. *Disasters* 33, (3): 457-481.
- 92) Alnimer, M. A., M. J. Tabbaa, M. M. Ababneh, and W. F. Lubbadah. 2009. Applying variations of the ovsynch protocol at the middle of the estrus cycle on reproductive performance of lactating dairy cows during summer and winter. *Theriogenology* 72, (5): 731-740.
- 93) Al-Nimr, M. A., K. R. Asfar, and T. T. Abbadi. 2009. Design of a smart thermal insulation system. *Heat Transfer Engineering* 30, (9): 762-769.
- 94) Al-Nimri, K., R. Al Habashneh, and M. Obeidat. 2009. Gingival health and relapse tendency: A prospective study of two types of lower fixed retainers. *Australian Orthodontic Journal* 25, (2): 142-146.

- 95) Al-Omari, A. S., and F. A. Abdulla. 2009. A model for the determination of residential water demand by the use of tracers. *Advances in Engineering Software* 40, (2): 85-94.
- 96) Al-Omari, F., M. Al-Jarrah, M. Omari, and M. Hayajneh. 2009. Development of a CAD/CAM system for simulating closed forging process using finiteelement method. *Engineering Computations (Swansea, Wales)* 26, (3): 302-312.
- 97) Al-Omari, W. M., and M. K. Al-Omiri. 2009. Dental anxiety among university students and its correlation with their field of study. *Journal of Applied Oral Science* 17, (3): 199-203.
- 98) Al-Omiri, M. K., J. A. Karasneh, E. Lynch, P. -J Lamey, and T. J. Clifford. 2009. Impacts of missing upper anterior teeth on daily living. *International dental journal* 59, (3): 127-132.
- 99) Al-Otoom, A., M. Allawzi, A. M. Al-Harahsheh, M. Al-Harahsheh, R. Al-Ghbari, R. Al-Ghazo, and H. Al-Saifi. 2009. A parametric study on the factors affecting the froth floatation of jordanian tar sand utilizing a fluidized bed floatator. *Energy* 34, (9): 1310-1314.
- 100) Al-Otun, H. A., and A. O. Al-Taba'a. 2009. Adaptive color image watermarking based on a modified improved pixel-wise masking technique. *Computers and Electrical Engineering* 35, (5): 673-695.
- 101) Alqadi, M. K., F. Y. Alzoubi, H. M. Al-khateeb, and N. Y. Ayoub. 2009. Interaction between a point magnetic dipole and a high-temperature superconducting sphere. *Physica B: Condensed Matter* 404, (12-13): 1781-1784.
- 102) Al-Qudah, A. A., and L. A. Awawdeh. 2009. Root and canal morphology of mandibular first and second molar teeth in a jordanian population. *International endodontic journal* 42, (9): 775-784.
- 103) Al-Qudah, K. M. 2009. Oxidative stress in calves with acute or chronic bronchopneumonia. *Revue de Medecine Veterinaire* 160, (5): 231-236.
- 104) Al-Qudah, K. M., A. A. Gharaibeh, and M. M. Al-Shyyab. 2009. Trace minerals status and antioxidant enzymes activities in calves with dermatophytosis. *Biological trace element research*: 1-8.
- 105) Al-Qudah, K. M., L. M. Rousan, and K. I. Ereifej. 2009. Nitrate/nitrite poisoning in dairy cattle associated with consumption of forages irrigated with municipally treated wastewater. *Toxicological and Environmental Chemistry* 91, (1): 163-170.
- 106) Alrababah, M. A., M. J. Tadros, N. H. Samarah, and H. Ghosheh. 2009. Allelopathic effects of pinus halepensis and quercus coccifera on the germination of mediterranean crop seeds. *New Forests* 38, (3): 261-272.
- 107) Alrefai, A., M. Habahbih, M. Alkhawajah, M. Darwish, W. Batayha, Y. Khader, and K. El-Salem. 2009. Prevalence of parkinson's disease in northern jordan. *Clinical neurology and neurosurgery* 111, (10): 812-815.
- 108) Alrefai, A. H., S. K. Aburahma, and Y. S. Khader. 2009. Treatment of sialorrhoea in children with cerebral palsy: A double-blind placebo controlled trial. *Clinical neurology and neurosurgery* 111, (1): 79-82.
- 109) Al-Refai, E. A., M. F. Sadiq, M. Y. Khassawneh, and A. -N Amjad D. 2009. Effect of methotrexate on the survival of human lymphocyte cultures carrying MTHFR 677 (C>T) and MTHFR 1298 (A>C) mutations. *Drug and chemical toxicology* 32, (2): 103-107.
- 110) AL-Rousan, M., and K. Assaleh. 2009. A wavelet- and neural network-based voice system for a smart wheelchair control. *Journal of the Franklin Institute*.

- 111) AL-Rousan, M., K. Assaleh, and A. Tala'a. 2009. Video-based signer-independent arabic sign language recognition using hidden markov models. *Applied Soft Computing Journal* 9, (3): 990-999.
- 112) Al-Rubae, A. Y. 2009. The potential uses of melia azedarach L. as pesticidal and medicinal plant, review. *American-Eurasian Journal of Sustainable Agriculture* 3, (2): 185-194.
- 113) Alsaad, A. 2009. Magnetic and structural properties of cr-based diluted magnetic semiconductors and alloys. *Physica B: Condensed Matter*.
- 114) ———2009. Structural and magnetic properties of mn-based diluted magnetic semiconductors and alloys. *Research Letters in Physics*.
- 115) Al-Safi, S. A., N. M. Ayoub, M. A. Albalas, I. Al-Doghim, and F. H. Aboul-Enein. 2009. Does shisha smoking affect blood pressure and heart rate? *Journal of Public Health* 17, (2): 121-126.
- 116) Al-Safi, S. A., L. Wahba, I. N. Thuheerat, I. A. Al-Doghim, H. Al-Eid, A. S. Alkofahi, and F. H. Aboul-Enein. 2009. Pilot study: Awareness of university students in jordan of the positive health effects of garlic. *Journal of Public Health* 17, (3): 177-185.
- 117) Alshara, O., and Alsharo, M. *The effect of E-learning on business organizations: A UAE case study*. 2009.
- 118) Alsheyab, F., M. Abbas, Y. Mosameh, and S. Ali. 2009. Immunohistochemical prognostic indicators of lymphoma tumors. *African Journal of Biotechnology* 8, (19): 5025-5029.
- 119) Al-Smadi, M., N. Hanold, H. Kalbitz, and H. Meier. 2009. 1,2,3-thiadiazoles with unsaturated side chains; synthesis, polymerization, and photocrosslinking. *Synthesis*(15): 2539-2546.
- 120) Al-Smadi, M., and S. Mohammad. 2009. Synthesis, characterization, and reactions of selected multichalcone derivatives. *Journal of Heterocyclic Chemistry* 46, (2): 201-206.
- 121) Al-Sweedan, S. A., S. Jaradat, M. Iraqi, and M. Beshtawi. 2009. The prevalence of factor v leiden (G1691A), prothrombin G20210A and methylenetetrahydrofolate reductase C677T mutations in jordanian patients with β -thalassemia major. *Blood Coagulation and Fibrinolysis* 20, (8): 675-678.
- 122) Al-Tahat, M. D., D. Dalalah, and M. A. Barghash. 2009. Dynamic programming model for multi-stage single-product kanban-controlled serial production line. *Journal of Intelligent Manufacturing*: 1-12.
- 123) Al-Tamimi, F., F. Alzoubi, and R. Tarawnah. 2009. A videofluoroscopic study of the emphatic consonants in jordanian arabic. *Folia Phoniatica et Logopaedica* 61, (4): 247-253.
- 124) Al-Wahadni, A. M., D. L. Hussey, N. Grey, and M. M. Hatamleh. 2009. Fracture resistance of aluminium oxide and lithium disilicate-based crowns using different luting cements: An in vitro study. *Journal of Contemporary Dental Practice* 10, (2).
- 125) Alzaben, K. R., S. A. Abu-Halaweh, A. K. S. Aloweidi, Z. A. B. Ismail, I. A. Al-Ammouri, M. K. Al-Esa, S. K. Jabaiti, M. M. Alsmady, and M. Abu-Abeeleh. 2009. Use of the nasal speculum for rat endotracheal intubation. *American Journal of Applied Sciences* 6, (3): 507-511.
- 126) Alzoubi, F. Q., H. A. Odat, H. A. Al-Balas, and S. R. Saeed. 2009. The role of preoperative CT scan in patients with chronic otitis media. *European Archives of Oto-Rhino-Laryngology* 266, (6): 807-809.

- 127) Alzoubi, K., N. Ayoub, S. Al-Sakaji, S. Al-Azzam, N. Mhaidat, and M. Masadeh. 2009. Awareness of bacterial resistance among physicians, pharmacists and nurses. *International journal of occupational medicine and environmental health* 22, (4): 363-372.
- 128) Alzoubi, K. H., K. K. Abdul-Razzak, O. F. Khabour, G. M. Al-Tuweiq, M. A. Alzubi, and K. A. Alkadhi. 2009. Adverse effect of combination of chronic psychosocial stress and high fat diet on hippocampus-dependent memory in rats. *Behavioural brain research* 204, (1): 117-123.
- 129) Alzoubi, K. H., and K. A. Alkadhi. 2009. Calmodulin and guanylyl cyclase inhibitors block the in vivo expression of gLTP in sympathetic ganglia from chronically stressed rats. *Neuroscience research* 63, (2): 95-99.
- 130) Alzoubi, K. H., N. Z. Gerges, A. M. Aleisa, and K. A. Alkadhi. 2009. Levothyroxin restores hypothyroidism-induced impairment of hippocampus-dependent learning and memory: Behavioral, electrophysiological, and molecular studies. *Hippocampus* 19, (1): 66-78.
- 131) Alzoubi, K. H., N. Mhaidat, S. A. Azzam, Y. Khader, S. Salem, H. Issaifan, and R. Haddadin. 2009. Prevalence of migraine and tension-type headache among adults in Jordan. *Journal of Headache and Pain* 10, (4): 265-270.
- 132) Amer, M. B. 2009. Novel design of low noise preamplifier for medical ultrasound transducers. *Journal of medical systems*: 1-7.
- 133) Amer, M. B., S. Ammary, L. Al-Ebbini, M. Awwad, and Y. Qtait. 2009. Novel design of multichannel electrotherapeutic system. *Journal of Medical Engineering and Technology* 33, (5): 394-402.
- 134) Arafa, I., M. Shatnawi, and H. Sàad. 2009. Synthesis, network structure and morphology of s-triazine-organosilane glassy hybrid materials. *Journal of Solid State Chemistry* 182, (8): 2167-2175.
- 135) Assaf, T. A., M. A. Turk, and K. M. Hameed. 2009. Impact of olive pomace wastes and fungicide treatment on indigenous arbuscular mycorrhizal fungi associated with chickpea (*cicer arietinum* L.) under field conditions. *Australian Journal of Crop Science* 3, (1): 6-12.
- 136) Atiyat, B., A. Kloub, S. Abu-Halaweh, M. Abu-Abeeleh, Z. B. Ismail, and I. Massad. 2009. Comparison of three modes of pain relief after major surgery. *European Journal of Scientific Research* 32, (2): 194-200.
- 137) Atmeh, R. F., B. M. Kana'an, and T. T. Massad. 2009. Isolation of high density lipoprotein subclasses by electrofiltration and their chemical components. *Preparative Biochemistry and Biotechnology* 39, (3): 248-265.
- 138) Awawdeh, M. S., B. S. Obeidat, A. Y. Abdullah, and W. M. Hananeh. 2009. Effects of yellow grease or soybean oil on performance, nutrient digestibility and carcass characteristics of finishing awassi lambs. *Animal Feed Science and Technology* 153, (3-4): 216-227.
- 139) Awawdeh, M. S., B. S. Obeidat, and R. T. Kridli. 2009. Yellow grease as an alternative energy source for nursing awassi ewes and their suckling lambs. *Animal Feed Science and Technology* 152, (3-4): 165-174.
- 140) Azab, M., O. F. Khabour, L. Al-Omari, M. A. Y. Alzubi, and K. Alzoubi. 2009. Effect of every-other-day fasting on spontaneous chromosomal damage in rat's bone-marrow cells. *Journal of Toxicology and Environmental Health - Part A: Current Issues* 72, (5): 295-300.
- 141) Badarneh, M. A. 2009. Exploring the use of rhetorical questions in editorial discourse: A case study of arabic editorials. *Text and Talk* 29, (6): 639-659.

- 142) Baker, H. M., A. M. Massadeh, and H. A. Younes. 2009. Natural jordanian zeolite: Removal of heavy metal ions from water samples using column and batch methods. *Environmental monitoring and assessment* 157, (1-4): 319-330.
- 143) Bakri, F. G., C. Martel, N. Khuri-Bulos, A. Mahafzah, M. S. El-Khateeb, A. M. Al-Wahadneh, W. A. Hayajneh, et al. 2009. First report of clinical, functional, and molecular investigation of chronic granulomatous disease in nine jordanian families. *Journal of clinical immunology* 29, (2): 215-230.
- 144) Bani Amer, M. M., and L. Al-Ebbini. 2009. Fuzzy approach for determination the optimum therapeutic parameters in neuromuscular stimulation systems. *Journal of medical systems*: 1-9.
- 145) Bani Hani, M. N., N. R. Alwaqfi, H. A. Heis, K. E. Bani-Hani, E. A. Hijazi, Y. H. Rashdan, and A. R. A. Al Manasra. 2009. Jejunal disorders: Potentially lethal causes of acute abdomen are still overlooked. *Surgical Laparoscopy, Endoscopy and Percutaneous Techniques* 19, (1): 39-42.
- 146) Bani Hani, M. N., K. E. Bani-Hani, A. Rashdan, N. R. Alwaqfi, H. A. Heis, and A. -R A. Al-Manasra. 2009. Safety of endoscopic retrograde cholangiopancreatography during pregnancy. *ANZ Journal of Surgery* 79, (1-2): 23-26.
- 147) Bani Ismail, Z., M. Abu Abeeleh, K. R. Alzaben, S. A. Abu-Halaweh, A. K. S. Aloweidi, I. A. Al-Ammouri, M. K. Al-Essa, S. K. Jabaiti, M. M. Alsmady, and A. Al-Majali. 2009. Effects of experimental acute myocardial infarction on blood cell counts and plasma biochemical values in a nude rat model (crl:NIH-Fox1RNU). *Comparative Clinical Pathology* 18, (4): 433-437.
- 148) ———2009. Erratum: Effects of experimental acute myocardial infarction on blood cell counts and plasma biochemical values in a nude rat model (crl:NIH-Fox1RNU) (comparative clinical pathology 10.1007/s00580-009-0827-6. *Comparative Clinical Pathology* 18, (4): 443.
- 149) Bani Ismail, Z., K. Jawasreh, and A. Al-Majali. 2009. Effects of xylazine-ketamine-diazepam anesthesia on blood cell counts and plasma biochemical values in sheep and goats. *Comparative Clinical Pathology*: 1-4.
- 150) BaniHani, M. N., and A. R. A. Al Manasra. 2009. Spontaneous regression in alveolar soft part sarcoma: Case report and literature review. *World Journal of Surgical Oncology* 7, .
- 151) Banihani, M. N., R. S. Al-Azab, N. R. Waqfi, M. N. Kharashgah, and A. R. A. Al Manasra. 2009. Vesicocutaneous fistula presenting as a thigh abscess. *Singapore medical journal* 50, (9): e336-e337.
- 152) Bani-Yaseen, A. D., N. F. Al-Rawashdeh, and I. Al-Momani. 2009. Influence of inclusion complexation with β -cyclodextrin on the photostability of selected imidazoline-derived drugs. *Journal of Inclusion Phenomena and Macrocyclic Chemistry* 63, (1-2): 109-115.
- 153) Bataineh, Z. M., O. Habbal, and S. T. Moqattash. 2009. Variations in the superficial palmar arch of the hand. *Italian Journal of Anatomy and Embryology* 114, (1): 11-20.
- 154) Battah, A. H., M. I. Al-Farras, I. M. Abdallat, and M. S. Hadidi. 2009. Trends of carbon monoxide fatalities in jordan. *Saudi medical journal* 30, (6): 853-854.
- 155) Bawadi, H. A., S. N. Maghaydah, R. F. Tayyem, and R. F. Tayyem. 2009. The postprandial hypoglycemic activity of fenugreek seed and seeds' extract in type 2 diabetics: A pilot study. *Pharmacognosy Magazine* 4, (18): 134-138.

- 156) Behrndt, J., Q. Katatbeh, and C. Trunk. 2009. Non-real eigenvalues of singular indefinite Sturm-Liouville operators. *Proceedings of the American Mathematical Society* 137, (11): 3797-3806.
- 157) Bener, A., M. Zirie, M. Musallam, Y. S. Khader, and A. O. A. A. Al-Hamaq. 2009. Prevalence of metabolic syndrome according to adult treatment panel III and international diabetes federation criteria: A population-based study. *Metabolic Syndrome and Related Disorders* 7, (3): 221-230.
- 158) Borg, M. A., M. Benbachir, B. D. Cookson, S. Ben Redjeb, Z. Elnasser, O. Rasslan, D. Gür, Z. Daoud, and D. P. Bagatzouni. 2009. Health care worker perceptions of hand hygiene practices and obstacles in a developing region. *American Journal of Infection Control* 37, (10): 855-857.
- 159) Borg, M. A., M. Benbachir, B. D. Cookson, S. B. Redjeb, Z. Elnasser, O. Rasslan, D. Gür, Z. Daoud, and D. P. Bagatzouni. 2009. Self-protection as a driver for hand hygiene among healthcare workers. *Infection Control and Hospital Epidemiology* 30, (6): 578-580.
- 160) Borg, M. A., B. D. Cookson, O. Rasslan, D. Gür, S. Ben Redjeb, M. Benbachir, K. Rahal, et al. 2009. Correlation between methicillin-resistant staphylococcus aureus prevalence and infection control initiatives within southern and eastern Mediterranean hospitals. *Journal of Hospital Infection* 71, (1): 36-42.
- 161) Chap, J., P. Jackson, R. Siqueira, N. Gaspar, C. Quintas, J. Park, T. Osaili, et al. 2009. International survey of Cronobacter sakazakii and other Cronobacter spp. in follow up formulas and infant foods. *International Journal of Food Microbiology* 136, (2): 185-188.
- 162) Chochlakis, D., I. Ioannou, L. Sharif, S. Kokkini, N. Hristophi, T. Dimitriou, Y. Tselentis, and A. Psaroulaki. 2009. Prevalence of Anaplasma sp. in goats and sheep in Cyprus. *Vector-Borne and Zoonotic Diseases* 9, (5): 457-463.
- 163) Collado, M. S., O. Khabour, D. Fioravante, J. H. Byrne, and A. Eskin. 2009. Post-translational regulation of an Aplysia glutamate transporter during long-term facilitation. *Journal of Neurochemistry* 108, (1): 176-189.
- 164) Dalalah, D. 2009. A hybrid DEMATEL-TOPSIS multi-criteria decision making model. *2009 IEEE International Conference on Information Reuse and Integration, IRI 2009*: 428-430.
- 165) Dalalah, D., and B. Lev. 2009. Duality of the improved algebraic method (DIAM). *Omega* 37, (5): 1027-1035.
- 166) Dalalah, D. M. 2009. Piecewise parametric polynomial fuzzy sets. *International Journal of Approximate Reasoning* 50, (7): 1081-1096.
- 167) Dallak, M., N. Bashir, M. Abbas, R. Elessa, M. Haidara, M. Khalil, and M. A. Al-Khateeb. 2009. Concomitant down regulation of glycolytic enzymes, upregulation of gluconeogenic enzymes and potential hepato-nephro-protective effects following the chronic administration of the hypoglycemic, insulinotropic Citrullus colocynthis pulp extract. *American Journal of Biochemistry and Biotechnology* 5, (4): 153-161.
- 168) Daoud, A. K., M. A. Tayyar, I. M. Fouda, and N. A. Harfeil. 2009. Effects of diabetes mellitus vs. in vitro hyperglycemia on select immune cell functions diabetes mellitus suppresses select immune cell functions Daoud et al. *Journal of Immunotoxicology* 6, (1): 36-41.
- 169) Daraosheh, A. Q., M. K. Harb, J. Windhager, H. Görls, M. El-Khateeb, and W. G. Weigand. 2009. Substitution reactions at [FeFe] hydrogenase models containing [2Fe3S] assembly by phosphine or phosphite ligands. *Organometallics* 28, (21): 6275-6280.

- 170) Darwish, F. M., W. H. Haddad, Z. Aloudat, and A. Aboharfil. 2009. Total knee replacement in king abdullah university hospital, early results. *Jordan Medical Journal* 43, (3): 163-170.
- 171) Dawes, P. J. D., and M. Al-Qudah. 2009. Tympanomastoidectomy: Planned second-look tympanotomy. *Journal of Otolaryngology - Head and Neck Surgery* 38, (3): 311-317.
- 172) De Souza, R. F., De Freitas Oliveira Paranhos, H., C. H. Lovato Da Silva, L. Abu-Naba'a, Z. Fedorowicz, and C. A. Gurgan. 2009. Interventions for cleaning dentures in adults. *Cochrane Database of Systematic Reviews*(4).
- 173) Diabat, A., T. Aouam, and O. Al-Araidah. 2009. The uncapacitated fixed-charge facility location problem with a multi-echelon inventory system. *Computers and Industrial Engineering*: 803-807.
- 174) Duwairi, R., M. N. Al-Refai, and N. Khasawneh. 2009. Feature reduction techniques for arabic text categorization. *Journal of the American Society for Information Science and Technology* 60, (11): 2347-2352.
- 175) Eilouti, B. H. 2009. Design knowledge recycling using precedent-based analysis and synthesis models. *Design Studies* 30, (4): 340-368.
- 176) El Qawasmeh, E., P. Pichappan, and A. Alfitiani. 2009. Development and investigation of a new compression technique using boolean minimizations. *2nd International Conference on the Applications of Digital Information and Web Technologies, ICADIWT 2009*: 505-511.
- 177) El-Akawi, Z. J., H. S. Al-Remawi, and K. J. Al-Namarneh. 2009. The relationship between the type of mutation in the globin gene and the type and severity of sickle/beta-thalassemia disease in jordanian patients. *Saudi medical journal* 30, (7): 967-968.
- 178) El-Akawi, Z. J., M. A. Garaibeh, and M. O. Rawashdeh. 2009. Molecular biology based technique is the method of choice in identification of burkholderia cepacia complex in cystic fibrosis patients. *Journal of Applied Sciences Research* 5, (11): 1952-1956.
- 179) El-Ghousein, S. S., and N. A. Al-Beitawi. 2009. The effect of feeding of crushed thyme (thymus vulgaris L) on growth, blood constituents, gastrointestinal tract and carcass characteristics of broiler chickens. *Journal of Poultry Science* 46, (2): 100-104.
- 180) El-Khateeb, M., K. J. Asali, I. Jibril, A. Abuseni, H. Görls, and W. Weigand. 2009. Multifunctional iron thiocarboxylate complexes: Synthesis, reactivity and structure of CpFe(CO)₂SCO-3,5-C₆H₄(COCl)₂. *Transition Metal Chemistry* 34, (4): 419-424.
- 181) El-Khateeb, M., T. Obidate, and M. Al-Noaimi. 2009. Synthesis and characterization of CpFe(CO)(EPh₃)SeSO₂R (EP, as, sb). *Phosphorus, Sulfur and Silicon and the Related Elements* 184, (3): 585-590.
- 182) El-Nasser, Z., and F. Awad. 2009. Prevalence and pattern of antimicrobial susceptibility of methicillin-resistant and methicillin-sensitive staphylococcus aureus in north jordan. *Jordan Medical Journal* 43, (1): 15-20.
- 183) Elnasser, Z. A., and S. M. Al Aseel. 2009. Antibiotic resistance of pseudomonas aeruginosa isolates from patients in king abdullah university hospital in jordan. *Journal of Chemotherapy* 21, (3): 356-359.
- 184) El-Salem, K., F. Ammari, Y. Khader, and O. Dhaimat. 2009. Elevated glycosylated hemoglobin is associated with subclinical neuropathy in neurologically asymptomatic diabetic patients: A prospective study. *Journal of Clinical Neurophysiology* 26, (1): 50-53.

- 185) Eltaif, N. I., and M. A. Gharaibeh. 2009. Aggregation of undisturbed soil mesocosms inoculated by earthworm after different cultivation-tillage systems. *Soil and Tillage Research* 106, (1): 104-106.
- 186) Ezzat Nazzal, M., M. Ahmed Saadah, L. Mohammed Saadah, and S. Mustafa Trebinjac. 2009. Acute ischemic stroke: Relationship of brain lesion location & functional outcome. *Disability and rehabilitation* 31, (18): 1501-1506.
- 187) Fares, M. M., and I. M. Arafa. 2009. Crystalline amphiphilic (maleic acid-ran-styrene) copolymers: Structural and kinetic properties. *International Journal of Polymer Analysis and Characterization* 14, (1): 34-51.
- 188) Fares, M. M., A. S. El-faqeeh, H. Ghanem, M. E. Osman, and E. A. Hassan. 2009. Hydrogels of starch-g-(tert-butylacrylate) and starch-g-(n-butylacrylate) copolymers - synthesis and formation. *Journal of Thermal Analysis and Calorimetry*: 1-8.
- 189) Fraiwan, L., O. Al-Bataineh, J. Matouq, S. Haddad, and M. Bani-Amer. 2009. ECG-based wireless home infant apnoea monitor. *Journal of medical engineering & technology* 33, (4): 309-313.
- 190) Fraiwan, L., K. Lweesy, N. Khasawneh, M. Fraiwan, H. Wenz, and H. Dickhaus. 2009. Time frequency analysis for automated sleep stage identification in fullterm and preterm neonates. *Journal of medical systems*: 1-10.
- 191) Ghalayini, I. F., M. A. Al-Ghazo, and Z. A. Elnasser. 2009. Is efficacy of repeated intradetrusor botulinum toxin type A (dysport®) injections dose dependent? clinical and urodynamic results after four injections in patients with drug-resistant neurogenic detrusor overactivity. *International urology and nephrology*: 1-9.
- 192) Gharaibeh, H., B. H. Amarneh, and S. Z. Zamzam. 2009. The psychological burden of patients with beta thalassemia major in syria. *Pediatrics International* 51, (5): 630-636.
- 193) Gharaibeh, H., and F. K. Mater. 2009. Young syrian adults' knowledge, perceptions and attitudes to premarital testing: Original article. *International nursing review* 56, (4): 450-455.
- 194) Gharaibeh, M., M. Obaidat, A. Albiss, and K. Hasan. 2009. Enhancing the transport properties of polycrystalline MgB₂ superconductors. *Journal of Physics: Conference Series* 153, .
- 195) Gharaibeh, M., and A. Oweis. 2009. Why do jordanian women stay in an abusive relationship: Implications for health and social well-being. *Journal of Nursing Scholarship* 41, (4): 376-384.
- 196) Gharaibeh, M. A., N. I. Eltaif, and O. F. Shunnar. 2009. Leaching and reclamation of calcareous saline-sodic soil by moderately saline and moderate-SAR water using gypsum and calcium chloride. *Journal of Plant Nutrition and Soil Science* 172, (5): 713-719.
- 197) Goussous, S. J., K. M. Hameed, and I. Saadoun. 2009. Isolation and evaluation of indigenous fungal and bacterial isolates as potential bioagents against broomrape (*orobanche cernua*) in jordan. *Plant Pathology Journal* 8, (3): 98-105.
- 198) Goussous, S. J., and M. J. Mohammad. 2009. Comparative effect of two arbuscular mycorrhizae and N and P fertilizers on growth and nutrient uptake of onions. *International Journal of Agriculture and Biology* 11, (4): 463-467.
- 199) Haddad, L. G., A. Owies, and A. Mansour. 2009. Wellness appraisal among adolescents in jordan: A model from a developing country: A cross-sectional questionnaire survey. *Health promotion international* 24, (2): 130-139.

- 200) Haddad, R. H., and A. T. Andrawes. 2009. Performance of fibrous concrete under sulfate cyclic treatment. *Journal of ASTM International* 6, (5).
- 201) Haddad, S. G., and M. A. Ata. 2009. Growth performance of lambs fed on diets varying in concentrate and wheat straw. *Small Ruminant Research* 81, (2-3): 96-99.
- 202) Hadidi, M. S., M. I. Ibrahim, I. M. Abdallat, and K. A. Hadidi. 2009. Current trends in drug abuse associated fatalities - Jordan, 2000-2004. *Forensic science international* 186, (1-3): 44-47.
- 203) Hamad, A. -W R., W. M. Al-Momani, S. Janakat, and S. A. Oran. 2009. Bioavailability of ellagic acid after single dose administration using HPLC. *Pakistan Journal of Nutrition* 8, (10): 1661-1664.
- 204) Hamdan, M., and M. A. Al-Nimr. 2009. Critical coating radius of spherical particle in thermal radiation environment. *Journal of Thermophysics and Heat Transfer* 23, (3): 634-638.
- 205) ———2009. The use of porous fins for heat transfer augmentation in parallel-plate channels. *Transport in Porous Media*: 1-12.
- 206) Hamdan, M. H., and H. I. Siyyam. 2009. On the flow of a dusty gas with constant number density through granular porous media. *Applied Mathematics and Computation* 209, (2): 339-345.
- 207) Harb, A. M., and I. A. Smadi. 2009. Tracking control of DC motors via mimo nonlinear fuzzy control. *Chaos, Solitons and Fractals* 42, (2): 702-710.
- 208) Harb, M. K., U. -P Apfel, J. Kübel, H. Görls, G. A. N. Feiton, T. Sakamoto, D. H. Evans, et al. 2009. Preparation and characterization of homologous diiron dithiolato, diselenato, and ditellurato complexes: [FeFe]-hydrogenase models. *Organometallics* 28, (23): 6666-6675.
- 209) Hassan, A. M., A. Alrashdan, M. T. Hayajneh, and A. T. Mayyas. 2009. Prediction of density, porosity and hardness in aluminum-copper-based composite materials using artificial neural network. *Journal of Materials Processing Technology* 209, (2): 894-899.
- 210) ———2009. Wear behavior of Al-Mg-Cu-based composites containing SiC particles. *Tribology International* 42, (8): 1230-1238.
- 211) Hawari, A., Z. Rawajfih, and N. Nsour. 2009. Equilibrium and thermodynamic analysis of zinc ions adsorption by olive oil mill solid residues. *Journal of hazardous materials* 168, (2-3): 1284-1289.
- 212) Hayajneh, M., A. M. Hassan, A. Alrashdan, and A. T. Mayyas. 2009. Prediction of tribological behavior of aluminum-copper based composite using artificial neural network. *Journal of Alloys and Compounds* 470, (1-2): 584-588.
- 213) Hayajneh, M. T., A. M. Hassan, and F. Al-Wedyan. 2009. Monitoring defects of ceramic tiles using fuzzy subtractive clustering-based system identification method. *Soft Computing*: 1-12.
- 214) Hayajneh, M. T., A. M. Hassan, and A. T. Mayyas. 2009. Artificial neural network modeling of the drilling process of self-lubricated aluminum/alumina/graphite hybrid composites synthesized by powder metallurgy technique. *Journal of Alloys and Compounds* 478, (1-2): 559-565.
- 215) Hayajneh, Y. A., R. F. AbuAlRub, A. Z. Athamneh, and I. K. Almakhzoomy. 2009. Turnover rate among registered nurses in Jordanian hospitals: An exploratory study. *International journal of nursing practice* 15, (4): 303-310.

- 216) Hazza'a, A., A. Bataineh, and A. Odat. 2009. Angulation of mandibular third molars as a predictive factor for pericoronitis. *Journal of Contemporary Dental Practice* 10, (3): 1-11.
- 217) Hazza'a, A. M., A. B. Bataineh, and A. A. Odat. 2009. Angulation of mandibular third molars as a predictive factor for pericoronitis. *The journal of contemporary dental practice* 10, (3): 51-58.
- 218) Hazza'a, A. M., M. A. Rawashdeh, G. Al-Jamal, and K. S. Al-Nimri. 2009. Dental development in children with cleft lip and palate: A comparison between unilateral and bilateral clefts. *European journal of paediatric dentistry : official journal of European Academy of Paediatric Dentistry* 10, (2): 90-94.
- 219) Heis, H. A., K. E. Bani-Hani, and M. A. Elheis. 2009. Primary hydatid cyst of the pancreas. *Acta Chirurgica Belgica* 109, (5): 626-628.
- 220) Ismail, B., O. M. Al-Ababneh, and M. B. Al-Zghoul. 2009. Serum levels of insulin-like growth factor-I, thyroid hormones and skeletal muscle fiber size in castrated lambs with and without androgen treatment. *American Journal of Applied Sciences* 6, (3): 518-522.
- 221) Ismail, S. I., N. A. Ababneh, Y. Khader, A. A. Abu-Khader, and A. Awidi. 2009. Methylenetetrahydrofolate reductase genotype association with the risk of follicular lymphoma. *Cancer genetics and cytogenetics* 195, (2): 120-124.
- 222) Issa, M. A., and Alrousan, R. Z. *Modeling of bond stresses of overlay-bridge deck system*. 2009.
- 223) Issa, M. A., R. Z. Alrousan, and M. A. Issa. 2009. Experimental and parametric study of circular short columns confined with cfrp composites. *Journal of Composites for Construction* 13, (2): 135-147.
- 224) Jadallah, K. A., and Y. S. Khader. 2009. Celiac disease in patients with presumed irritable bowel syndrome: A case-finding study. *World Journal of Gastroenterology* 15, (42): 5321-5325.
- 225) Jamous, M. A., H. Abdel Aziz, F. Al Kaisy, H. Eloqayli, M. Azab, and M. Al-Jarrah. 2009. Conservative management of acute epidural hematoma in a pediatric age group. *Pediatric neurosurgery* 45, (3): 181-184.
- 226) Jaradat, M. A. K., and M. A. Al-Nimr. 2009. Fuzzy logic controller deployed for indoor air quality control in naturally ventilated environments. *Journal of Electrical Engineering* 60, (1): 12-17.
- 227) Jaradat, M. A. K., M. H. Garibeh, and E. A. Feilat. 2009. Dynamic motion planning for autonomous mobile robot using fuzzy potential field. *2009 6th International Symposium on Mechatronics and its Applications, ISMA 2009*.
- 228) Jaradat, M. A. K., and R. Langari. 2009. A hybrid intelligent system for fault detection and sensor fusion. *Applied Soft Computing Journal* 9, (1): 415-422.
- 229) Jaradat, Z. W., Q. O. Ababneh, I. M. Saadoun, N. A. Samara, and A. M. Rashdan. 2009. Isolation of cronobacter spp. (formerly enterobacter sakazakii) from infant food, herbs and environmental samples and the subsequent identification and confirmation of the isolates using biochemical, chromogenic assays, PCR and 16S rRNA sequencing. *BMC Microbiology* 9, .
- 230) Joseph, I. O. F., T. E. Wall, J. R. Tanner, K. Tawaha, F. Q. Alali, C. Li, and N. H. Oberlies. 2009. Proliferation of antibiotic-producing bacteria and concomitant antibiotic production as the basis for the antibiotic activity of jordan's red soils. *Applied and Environmental Microbiology* 75, (9): 2735-2741.

- 231) Kandah, M. I., and J. -L Meunier. 2009. Production of carbon nanotubes-nickel composites on different graphite substrates. *Fluid Dynamics and Materials Processing* 5, (2): 123-136.
- 232) Karasneh, J., M. K. Al-Omiri, K. Q. Al-Hamad, and F. A. Al Quran. 2009. Relationship between patients' oral health-related quality of life, satisfaction with dentition, and personality profiles. *The journal of contemporary dental practice* 10, (6): E049-056.
- 233) Karasneh, J. A., R. Baszrafshani, M. Thornhill, and W. E. R. Ollier. 2009. Endothelial nitric oxide synthase gene polymorphisms are not associated with recurrent aphthous stomatitis. *Archives of Oral Biology* 54, (6): 583-587.
- 234) Kausar, F., K. Mustafa, G. Sweis, R. Sawaqed, K. Alawneh, R. Salloum, M. Badaracco, T. B. Niewold, and N. J. Sweiss. 2009. Ocrelizumab: A step forward in the evolution of B-cell therapy. *Expert Opinion on Biological Therapy* 9, (7): 889-895.
- 235) Khabour, O. F., E. S. Abdelhalim, and A. Abu-Wardeh. 2009. Association between SOD2 T-9C and MTHFR C677T polymorphisms and longevity: A study in jordanian population. *BMC Geriatrics* 9, (1).
- 236) Khader, Y., L. Al-Shishani, B. Obeidat, M. Khasawneh, S. Burgan, Z. O. Amarin, M. Alomari, and A. Alkafajei. 2009. Maternal periodontal status and preterm low birth weight delivery: A case-control study. *Archives of Gynecology and Obstetrics* 279, (2): 165-169.
- 237) Khader, Y., S. Burgan, and Z. Amarin. 2009. Self-reported needle-stick injuries among dentists in north jordan. *Eastern Mediterranean Health Journal* 15, (1): 185-189.
- 238) Khader, Y., O. Irshaidat, M. Khasawneh, Z. Amarin, M. Alomari, and A. Batieha. 2009. Overweight and obesity among school children in jordan: Prevalence and associated factors. *Maternal and child health journal* 13, (3): 424-431.
- 239) Khader, Y. S., and G. Abu-Sharbain. 2009. Dentist-assistant interaction styles in jordan. *International journal of dental hygiene* 7, (2): 131-135.
- 240) Khader, Y. S., D. M. Airan, and I. Al-Faouri. 2009. Work stress inventory for dental assistants: Development and psychometric evaluation. *Journal of public health dentistry* 69, (1): 56-61.
- 241) Khader, Y. S., H. A. Bawadi, T. F. Haroun, M. Alomari, and R. F. Tayyem. 2009. The association between periodontal disease and obesity among adults in jordan. *Journal of clinical periodontology* 36, (1): 18-24.
- 242) Khader, Y. S., B. Khasawneh, A. K. Daoud, and M. Khatatbeh. 2009. The association between metabolic syndrome and coronary artery disease in jordan. *Chronic Illness* 5, (4): 235-242.
- 243) Khalifeh, M. S., A. M. Al-Majali, and J. R. Stabel. 2009. Role of nitric oxide production in dairy cows naturally infected with mycobacterium avium subsp. paratuberculosis. *Veterinary immunology and immunopathology* 131, (1-2): 97-104.
- 244) Khalifeh, M. S., M. M. Amawi, E. A. Abu-Basha, and I. Bani Yonis. 2009. Assessment of humoral and cellular-mediated immune response in chickens treated with tilmicosin, florfenicol, or enrofloxacin at the time of newcastle disease vaccination. *Poultry science* 88, (10): 2118-2124.

- 245) Khalil, R., F. Al-Sheyab, E. Khamaiseh, M. A. Halaweh, and H. A. Abder-Rahman. 2009. Screening of mutations in the GCK gene in jordanian maturity-onset diabetes of the young type 2 (MODY2) patients. *Genetics and Molecular Research* 8, (2): 500-506.
- 246) Khamayseh, Y., O. M. Darwish, and S. A. Wedian. 2009. MA-AODV: Mobility aware routing protocols for mobile ad hoc networks. *4th International Conference on Systems and Networks Communications, ICSNC 2009*: 25-29.
- 247) Khamayseh, Y., G. Obeidat, and A. A. Alhassan. 2009. Enhanced VON-AODV based on delayed rebroadcast scheme. *PM2HW2N'09 - Proceedings of the 4th ACM International Workshop on Performance Monitoring, Measurement, and Evaluation of Heterogeneous Wireless and Wired Networks*: 78-83.
- 248) Khasawneh, M. A., M. I. Malkawi, M. S. Ebaid, S. M. Hayajneh, H. Z. El-Shyoukh, and H. Y. Qasaimeh. 2009. A security-embedded infrastructure for tele-traffic speed control. *Journal of the Franklin Institute* 346, (5): 431-448.
- 249) Khassawneh, B., M. Ghazzawi, Y. Khader, M. Alomari, Z. Amarin, B. Shahrour, and M. Hammouda. 2009. Symptoms and risk of obstructive sleep apnea in primary care patients in jordan. *Sleep and Breathing* 13, (3): 227-232.
- 250) Khassawneh, M., Y. Khader, and N. Abuqtaish. 2009. Clinical features of neonatal sepsis caused by resistant gram-negative bacteria. *Pediatrics International* 51, (3): 332-336.
- 251) Khateeb, E. A. A. A., and S. N. A. Khateeb. 2009. Anteroposterior and vertical components of class ii division 1 and division 2 malocclusion. *Angle Orthodontist* 79, (5): 859-866.
- 252) Khatib, I. M., and S. S. Hijazi. 2009. Micronutrient deficiencies among children may be endemic in underprivileged areas in jordan. *Jordan Medical Journal* 43, (4): 324-332.
- 253) Khatib, I. M. D., and I. Elmadfa. 2009. High prevalence rates of anemia, vitamin a deficiency and stunting imperil the health status of bedouin schoolchildren in north badia, jordan. *Annals of Nutrition and Metabolism* 55, (4): 358-367.
- 254) ———2009. Poor nutritional health of bedouin preschool children in jordan: The irony of urbanization. *Annals of Nutrition and Metabolism* 54, (4): 301-309.
- 255) Khodier, M. 2009. Design and optimization of single, dual, and triple band transmission line matching transformers for frequency-dependent loads. *Applied Computational Electromagnetics Society Journal* 24, (5): 446-452.
- 256) Khodier, M., and M. Al-Aqeel. 2009. Linear and circular array optimization: A study using particle swarm intelligence. *Progress In Electromagnetics Research B*(15): 347-373.
- 257) Kim, S. -Y, H. H. Alzoubi, and P. Ihm. 2009. Determining photosensor settings for optimum energy saving of suspended lighting systems in a small double-skinned office. *International Journal of Energy Research* 33, (6): 618-630.
- 258) Kudelka, M., Snasel, V., Lehecka, O., El-Qawasmeh, E., and Pokorný, J. *Semantic annotation of web pages using web patterns*.2009.
- 259) Lafi, S. Q., A. Q. Talafha, N. Giadinis, E. Kalaitzakis, K. Pourliotis, and N. Panousis. 2009. Factors affecting the reproductive performance of awassi sheep flocks in north-east of jordan: An epidemiological study. *Tropical animal health and production*: 1-10.
- 260) ———2009. Factors affecting the reproductive performance of awassi sheep flocks in north-east of jordan: An epidemiological study. *Tropical animal health and production* 41, (8): 1755-1764.

- 261) Lataifeh, I., Z. Amarin, and Y. Khader. 2009. A survey of the knowledge and attitude of Jordanian obstetricians and gynaecologists to cervical cancer screening. *Journal of Obstetrics and Gynaecology* 29, (8): 757-760.
- 262) Lataifeh, I., F. Zayed, O. Al-Kuran, L. Al-Mehaisen, W. Khriesat, and Y. Khader. 2009. Jordanian obstetricians' personal preference regarding mode of delivery. *Acta Obstetrica et Gynecologica Scandinavica* 88, (6): 733-736.
- 263) Lataifeh, I. M., W. M. Khriesat, E. B. Baqain, F. A. Al Qarqaz, and F. Abuekteish. 2009. Aplasia cutis congenita associated with coarctation of the aorta: Case report and review of the literature. *International journal of dermatology* 48, (11): 1222-1224.
- 264) Lweesy, K., L. Fraiwan, O. Al-Bataineh, N. Hamdi, and H. Dickhaus. 2009. Optimization of ultrasound array designs for high intensity focused treatment of prostate cancer and benign prostatic hyperplasia. *Medical and Biological Engineering and Computing* 47, (6): 635-640.
- 265) Lweesy, K., L. Fraiwan, N. Khasawneh, and H. Dickhaus. 2009. New automated detection method of OSA based on artificial neural networks using P-wave shape and time changes. *Journal of medical systems*: 1-12.
- 266) Lweesy, K., L. Fraiwan, A. Shatat, G. Abdo, A. Dawodiah, and M. Sameer. 2009. Design and evaluation of a three dimensional ultrasound system for tissue ablation for treatment of kidney tumors. *IFMBE Proceedings* 24 IFMBE, : 19-20.
- 267) Mahafzah, B. A., A. F. Al-Badarneh, and M. Z. Zakaria. 2009. A new sampling technique for association rule mining. *Journal of Information Science* 35, (3): 358-376.
- 268) Masaadeh, H. A., and A. S. Jaran. 2009. Determination of the antibacterial efficacy of common chemical agents in cleaning and disinfection in hospitals of north Jordan. *American Journal of Applied Sciences* 6, (5): 698-702.
- 269) ———2009. Incident of pseudomonas aeruginosa in post-operative wound infection. *American Journal of Infectious Diseases* 5, (1): 1-6.
- 270) Massadeh, A. M., A. A. Gharaibeh, and K. W. Omari. 2009. A single-step extraction method for the determination of nicotine and cotinine in Jordanian smokers' blood and urine samples by RP-HPLC and GC-MS. *Journal of chromatographic science* 47, (2): 170-177.
- 271) Massadeh, A. M., Q. M. Jaradat, K. A. Momani, and M. A. Saleem. 2009. Distribution of heavy metals in some tree leaves along the main road in an agricultural area. *Communications in Soil Science and Plant Analysis* 40, (7-8): 1254-1267.
- 272) Mayyas, K. 2009. Low complexity LMS-type adaptive algorithm with selective coefficient update for stereophonic acoustic echo cancellation. *Computers and Electrical Engineering* 35, (3): 450-458.
- 273) Mesmar, M., and R. M. Kanan. 2009. Possible association of combined vitamin D receptor and estrogen receptor genotypes and low bone mineral density in Jordanian postmenopausal women. *Genetic testing and molecular biomarkers* 13, (5): 603-609.
- 274) Mhaidat, N. M., F. Q. Alali, S. M. Matalqah, I. I. Matalka, S. A. Jaradat, N. A. Al-Sawalha, and R. F. Thorne. 2009. Inhibition of MEK sensitizes paclitaxel-induced apoptosis of human colorectal cancer cells by downregulation of GRP78. *Anti-Cancer Drugs* 20, (7): 601-606.

- 275) Mhaidat, N. M., K. H. Alzoubi, S. Al-Sweedan, and B. A. Alhusein. 2009. Prevalence of depression among cancer patients in Jordan: A national survey. *Supportive Care in Cancer* 17, (11): 1403-1407.
- 276) Mjalli, F. S., N. M. Abdel-Jabbar, and J. P. Fletcher. 2009. Corrigendum to "modeling, simulation and control of a scheibel liquid-liquid contactor: Part 1. dynamic analysis and system identification" [chem. eng. process. 44 (2005) 543-555] (DOI:10.1016/j.cep.2004.05.016). *Chemical Engineering and Processing: Process Intensification* 48, (4): 975-976.
- 277) Mohamad, M. M. J., M. A. Mohammad, K. S. H. Alomari, M. Karayyem, and A. F. Al-Hader. 2009. Leptin, insulin and glucose levels in menopause women during acute myocardial infarction. *Journal of Medical Sciences* 9, (4): 214-218.
- 278) Mohammad, S. B., I. Ababneh, and O. -K Mohamed. 2009. A comparative study of real workload traces and synthetic workload models for non-contiguous allocation in 2D meshes. *International Conference on Scalable Computing and Communications - The 8th International Conference on Embedded Computing, ScalCom-EmbeddedCom 2009*: 633-639.
- 279) Moh'd, A., L. Tawalbeh, and A. Sowe. 2009. A novel method to guarantee QoS during DOS attacks for IPTV using SIP. *2nd International Conference on the Applications of Digital Information and Web Technologies, ICADIWT 2009*: 838-842.
- 280) Müller, A., S. Schippers, R. A. Phaneuf, S. W. J. Scully, A. Aguilar, A. M. Covington, I. Lvarez, et al. 2009. K-shell photoionization of ground-state Li-like carbon ions [C 3+]: Experiment, theory and comparison with time-reversed photorecombination. *Journal of Physics B: Atomic, Molecular and Optical Physics* 42, (23).
- 281) Mustafa, Z., W. Shatanawi, and M. Bataineh. 2009. Existence of fixed point results in G-metric spaces. *International Journal of Mathematics and Mathematical Sciences* 2009, .
- 282) Nimri, K. S. A., A. M. Hazzaa, and R. M. A. Omaric. 2009. Maxillary incisor proclination effect on the position of point a in class II division 2 malocclusion. *Angle Orthodontist* 79, (5): 880-884.
- 283) Nogueira, J. M., A. Haririan, S. C. Jacobs, M. R. Weir, H. A. Hurley, H. S. Al-Qudah, M. Phelan, C. B. Drachenberg, S. T. Bartlett, and M. Cooper. 2009. The detrimental effect of poor early graft function after laparoscopic live donor nephrectomy on graft outcomes. *American Journal of Transplantation* 9, (2): 337-347.
- 284) Numayr, K., and R. Haddad. 2009. Static and dynamic analytical and experimental analysis of 3D reinforced concrete panels. *Structural Engineering and Mechanics* 32, (3): 399-406.
- 285) Nusier, O. K., A. S. Alawneh, and B. M. Abdullatit. 2009. Small-scale micropiles to control heave on expansive clays. *Proceedings of the Institution of Civil Engineers: Ground Improvement* 162, (1): 27-35.
- 286) Obaidat, A. A., R. A. Khanfar, and M. N. Khawam. 2009. The effect of β -cyclodextrin on the solubility and dissolution rate of meloxicam and investigation of the driving force for complexation using molecular modeling. *Journal of Inclusion Phenomena and Macrocyclic Chemistry* 63, (3-4): 273-279.
- 287) Obaidat, I. M., B. A. Albiss, H. Claus, M. Gharaibeh, and M. K. Hasan. 2009. The influence of Pb-ion irradiation on melt-textured YBa₂Cu₃O_x crystals. *Crystal Research and Technology* 44, (2): 206-210.
- 288) Obaidat, I. M., M. Gharaibeh, B. A. Albiss, and M. K. Hasan. 2009. Vortex creep perpendicular to the c-axis in crystalline and grain-oriented YBCO superconductor. *International Journal of Modern Physics B* 23, (5): 673-678.

- 289) Obeidat, A. A., M. A. Gharaibeh, D. Al-Safadi, D. H. Al Samarh, M. K. H. Qaseer, and N. Y. Ayoub. 2009. Anisotropic and particle-particle interaction effect in a one-dimensional system of magnetic particles. *Journal of Superconductivity and Novel Magnetism* 22, (8): 805-809.
- 290) Obeidat, B., A. Mohtaseb, and I. Matalaka. 2009. The diagnosis of endometrial hyperplasia on curettage: How reliable is it? *Archives of Gynecology and Obstetrics* 279, (4): 489-492.
- 291) Obeidat, B. S., A. Y. Abdullah, K. Z. Mahmoud, M. S. Awawdeh, N. Z. Al-beitawi, and F. A. Al-Lataifeh. 2009. Effects of feeding sesame meal on growth performance, nutrient digestibility, and carcass characteristics of awassi lambs. *Small Ruminant Research* 82, (1): 13-17.
- 292) Obeidat, S., S. Samarah, P. G. Casazza, and J. C. Tremain. 2009. Sums of hilbert space frames. *Journal of Mathematical Analysis and Applications* 351, (2): 579-585.
- 293) Obeidat, W. M. 2009. Recent patents review in microencapsulation of pharmaceuticals using the emulsion solvent removal methods. *Recent Patents on Drug Delivery and Formulation* 3, (3): 178-192.
- 294) Obeidat, W. M., S. M. Obeidat, and N. M. Alzoubi. 2009. Investigations on the physical structure and the mechanism of drug release from an enteric matrix microspheres with a near-zero-order release kinetics using SEM and quantitative FTIR. *AAPS PharmSciTech* 10, (2): 615-623.
- 295) Okour, A. M., and H. H. Hijazi. 2009. Domestic violence and family dysfunction as risk factor for violent behavior among university students in north jordan. *Journal of Family Violence* 24, (6): 361-366.
- 296) Omar, A. A., N. I. Dib, K. Hettak, M. C. Scardelletti, and R. M. Shubair. 2009. Design of coplanar waveguide elliptic low pass filters. *International Journal of RF and Microwave Computer-Aided Engineering* 19, (5): 540-548.
- 297) Omar, A. A., M. C. Scardelletti, N. Dib, and R. Shubair. 2009. Cylindrical CPW-fed and CPS-fed slot antennas. *International Journal of Electronics* 96, (4): 395-405.
- 298) Omari, F. H. 2009. Perceived and unmet needs of adult jordanian family members of patients in ICUs. *Journal of Nursing Scholarship* 41, (1): 28-34.
- 299) Osaili, T., and S. Forsythe. 2009. Desiccation resistance and persistence of cronobacter species in infant formula. *International journal of food microbiology* 136, (2): 214-220.
- 300) Osaili, T. M., R. R. Shaker, M. S. Al-Haddaq, A. A. Al-Nabulsi, and R. A. Holley. 2009. Heat resistance of cronobacter species (enterobacter sakazakii) in milk and special feeding formula. *Journal of applied microbiology* 107, (3): 928-935.
- 301) Osaili, T. M., R. R. Shaker, M. M. Ayyash, A. A. Al-Nabulsi, and S. J. Forsythe. 2009. Survival and growth of cronobacter species (enterobacter sakazakii) in wheat-based infant follow-on formulas. *Letters in applied microbiology* 48, (4): 408-412.
- 302) Owais, A. I. N., M. A. Qudeimat, and S. Qodceih. 2009. Dentists' involvement in identification and reporting of child physical abuse: Jordan as a case study. *International Journal of Paediatric Dentistry* 19, (4): 291-296.
- 303) Oweis, A. 2009. Jordanian mother's report of their childbirth experience: Findings from a questionnaire survey. *International journal of nursing practice* 15, (6): 525-533.
- 304) Oweis, A., M. Gharaibeh, and R. Alhourani. 2009. Prevalence of violence during pregnancy: Findings from a jordanian survey. *Maternal and child health journal: 1-9*.

- 305) Oweis, A., M. Gharaibeh, A. Al-Natour, and E. Froelicher. 2009. Violence against women: Unveiling the suffering of women with a low income in Jordan. *Journal of Transcultural Nursing* 20, (1): 69-76.
- 306) Oweis, A., A. Tayem, and E. S. Froelicher. 2009. Breastfeeding practices among Jordanian women. *International journal of nursing practice* 15, (1): 32-40.
- 307) Pichappan, P., and E. El-Qawasmeh. 2009. Message from the editors. *2nd International Conference on the Applications of Digital Information and Web Technologies, ICADIWT 2009*.
- 308) Qandil, A. M., A. A. Obaidat, M. A. M. Ali, B. M. Al-Taani, B. M. Tashtoush, N. D. Al-Jbour, M. M. Al Remawi, K. A. Al-Sou'Od, and A. A. Badwan. 2009. Investigation of the interactions in complexes of low molecular weight chitosan with ibuprofen. *Journal of Solution Chemistry* 38, (6): 695-712.
- 309) Qasaimeh, O. 2009. Dynamics of optical pulse amplification and saturation in multiple state quantum dot semiconductor optical amplifiers. *Optical and Quantum Electronics* 41, (2): 99-111.
- 310) ———2009. Effect of doping on the optical characteristics of quantum-dot semiconductor optical amplifiers. *Journal of Lightwave Technology* 27, (12): 1978-1984.
- 311) ———2009. Low-current N-type quantum dash semiconductor optical amplifiers. *IEEE Photonics Technology Letters* 21, (19): 1390-1392.
- 312) Qasaimeh, O. R. 2009. Ultra-fast gain recovery and compression due to Auger-assisted relaxation in quantum dot semiconductor optical amplifiers. *Journal of Lightwave Technology* 27, (13): 2530-2536.
- 313) Qublan, H. S., Z. O. Amarin, A. N. Abu-Salem, and H. Y. Malkawi. 2009. Miscarriage and clinical correlates of leukocyte count in patients with ovarian hyperstimulation syndrome. *Journal of Obstetrics and Gynaecology* 29, (4): 318-321.
- 314) Rabady, R. 2009. Broadened phase-matching bandwidth in waveguide-frequency-doubling devices. *Applied Optics* 48, (33): 6417-6425.
- 315) ———2009. Theoretical design of multilayer planar waveguide for multiple harmonic generation with broadened phase-matching bandwidth by modal sandwiching. *Journal of Optics A: Pure and Applied Optics* 11, (6).
- 316) Radaideh, R. M. 2009. Impact of delayed arbitrary transmit antenna selection on the performance of rectangular QAM with receive MRC in fading channels. *IEEE Communications Letters* 13, (6): 390-392.
- 317) ———2009. MRC in the presence of asynchronous cochannel interference over frequency-selective Rayleigh fading channels. *IEEE Transactions on Vehicular Technology* 58, (8): 4329-4341.
- 318) ———2009. Performance of cellular mobile systems employing SNR-based GSC in the presence of Rayleigh and Nakagami-q cochannel interferers. *IEEE Transactions on Vehicular Technology* 58, (6): 3081-3088.
- 319) ———2009. Performance of W-CDMA systems with rectangular signalling in OSTBC MIMO generalised Nakagami-m fading channels. *IET Communications* 3, (8): 1379-1391.
- 320) ———2009. SNR and SINR-based selection combining algorithms in the presence of arbitrarily distributed co-channel interferers. *IET Communications* 3, (1): 57-66.
- 321) Ramadan, K., and M. A. Al-Nimr. 2009. Analysis of transient heat transfer in multilayer thin films with nonlinear thermal boundary resistance. *International Journal of Thermal Sciences* 48, (9): 1718-1727.

- 322) ———2009. Thermal wave reflection and transmission in a multilayer slab with imperfect contact using the dual-phase-lag model. *Heat Transfer Engineering* 30, (8): 677-687.
- 323) Rawashdeh, M. A., and E. O. Abu Sirdaneh. 2009. Crown morphologic abnormalities in the permanent: Dentition of patients with cleft lip and palate. *Journal of Craniofacial Surgery* 20, (2): 465-470.
- 324) Rawashdeh, M. R., and N. Dib. 2009. Full-wave analysis of azimuthally magnetized ferrite-loaded circular structures using the one-dimensional finite difference frequency domain method. *International Journal of RF and Microwave Computer-Aided Engineering* 19, (3): 397-404.
- 325) Rjoub, A., Y. Eyadat, A. Ghazawi, B. Tall, N. Sharou, and L. Mardeeni. 2009. A multi-form multiple choice editor exam tool based on HTML website and artificial intelligence techniques. *Journal of Computer Science* 5, (6): 405-412.
- 326) Saadoun, I., F. Al-Momani, Q. Ababneh, and S. Bonjar. 2009. Comparative UV-spectra of fermented cultural extract of antifungal-active streptomyces isolates recovered from different ecological habitats. *Current Trends in Biotechnology and Pharmacy* 3, (2): 155-161.
- 327) Saadoun, I., R. Al-Omari, Z. Jaradat, and Q. Ababneh. 2009. Influence of culture conditions of streptomyces sp. (strain S 242) on chitinase production. *Polish Journal of Microbiology* 58, (4): 339-345.
- 328) Safadi, R. A. 2009. Prevalence of recurrent aphthous ulceration in jordanian dental patients. *BMC Oral Health* 9, (1).
- 329) Saleh, A., and M. A. Al-Nimr. 2009. The effectiveness of multi-stage dehumidification-humidification for improving the cooling ability of evaporative air conditioning. *Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy* 223, (1): 11-20.
- 330) Salhie, A. M., and M. G. Obeidallah. 2009. A new hybrid approach for detection and estimation in wireless sensor networks. *2009 WRI World Congress on Computer Science and Information Engineering, CSIE 2009* 1, : 379-383.
- 331) Samarah, N. H., A. M. Alqudah, J. A. Amayreh, and G. M. McAndrews. 2009. The effect of late-terminal drought stress on yield components of four barley cultivars. *Journal of Agronomy and Crop Science* 195, (6): 427-441.
- 332) Samarah, N. H., and K. Ereifej. 2009. Chemical composition and mineral content of common vetch seeds during maturation. *Journal of Plant Nutrition* 32, (1): 177-186.
- 333) Samarah, N. H., R. E. Mullen, and A. M. Alqudah. 2009. An index to quantify seed moisture loss rate in relationship with seed desiccation tolerance in common vetch. *Seed Science and Technology* 37, (2): 413-422.
- 334) Samarah, N. H., R. E. Mullen, and I. Anderson. 2009. Soluble sugar contents, germination, and vigor of soybean seeds in response to drought stress. *Journal of New Seeds* 10, (2): 63-73.
- 335) Samarah, N. H., R. E. Mullen, S. Goggp, and A. Gaul. 2009. Effect of drying treatment and temperature on soybean seed quality during maturation. *Seed Science and Technology* 37, (2): 469-473.
- 336) Samarah, N. H., Qurashi, S. A., Karam, N. S., and Shibli, R. A. *In vivo and in vitro seed germination in black iris: A potential new floricultural crop from jordan.* 2009.
- 337) Samarah, S., and F. Hasan. 2009. Local fourier bases and ultramodulation spaces. *Turkish Journal of Mathematics* 33, (2): 193-203.

- 338) Scicluna, E. A., M. A. Borg, D. Gür, O. Rasslan, I. Taher, S. B. Redjeb, Z. Elnassar, D. P. Bagatzouni, and Z. Daoud. 2009. Self-medication with antibiotics in the ambulatory care setting within the euro-mediterranean region; results from the ARMed project. *Journal of Infection and Public Health* 2, (4): 189-197.
- 339) Shabsoug, B. M., and A. Al-Shyoukh. 2009. Synthesis and characterization of imine and hydrazone of 4-chlorobenzaldehyde. *Asian Journal of Chemistry* 21, (6): 4954-4956.
- 340) Shahab, W., H. Al-Otum, and F. Al-Ghoul. 2009. A modified 2D chain code algorithm for object segmentation and contour tracing. *International Arab Journal of Information Technology* 6, (3): 250-257.
- 341) Shamroukh, R., and F. Awad. 2009. Detection of surviving humans in destructed environments using a simulated autonomous robot. *2009 6th International Symposium on Mechatronics and its Applications, ISMA 2009*.
- 342) Shidaifat, F. 2009. Age-dependent expression of 5 α -reductase and androgen receptors mRNA by the canine prostate. *Physiological Research* 58, (1): 155-158.
- 343) Simadi, F. A., H. Olimat, and F. Momani. 2009. Jordanian parental efficacy about the reduction of adolescent behavior problems. *Social Behavior and Personality* 37, (8): 1073-1080.
- 344) Siyyam, H. I. 2009. An iterative method with fifth-order convergence for nonlinear equations. *Applied Mathematical Sciences* 3, (41-44): 2041-2053.
- 345) Siyyam, H. I., R. A. Ford, and M. H. Hamdan. 2009. First-order accurate finite difference schemes for boundary vorticity approximations in curvilinear geometries. *Applied Mathematics and Computation* 215, (6): 2378-2387.
- 346) Smaoui, I., F. Zarai, M. M. Banat, and L. Kamoun. 2009. Heterogeneous wireless networks: Configuration and vertical handoff management. *Wireless Personal Communications*: 1-29.
- 347) Sriharan, A., Z. Abdeen, D. Bojrab, S. David, Z. Elnasser, T. Patterson, R. Shprintzen, H. Skinner, Y. Roth, and A. Noyek. 2009. Academic medicine as a bridge to peace: Building arab and israeli cooperation. *Academic Medicine* 84, (11): 1488-1489.
- 348) Srivareerat, M., T. T. Tran, K. H. Alzoubi, and K. A. Alkadhi. 2009. Chronic psychosocial stress exacerbates impairment of cognition and long-term potentiation in β -amyloid rat model of alzheimer's disease. *Biological psychiatry* 65, (11): 918-926.
- 349) Suleiman, A. A., O. K. Alboqai, N. Yasein, J. M. El-Qudah, M. F. Bataineh, and B. A. Obeidat. 2009. Prevalence of and factors associated with overweight and obesity among jordan university students. *Journal of Biological Sciences* 9, (7): 738-745.
- 350) Taha, N. A., J. E. A. Palamara, and H. H. Messer. 2009. Cuspal deflection, strain and microleakage of endodontically treated premolar teeth restored with direct resin composites. *Journal of dentistry* 37, (9): 724-730.
- 351) Tahaineh, L. M., M. Wazaify, A. Albsoul-Younes, Y. Khader, and M. Zaidan. 2009. Perceptions, experiences, and expectations of physicians in hospital settings in jordan regarding the role of the pharmacist. *Research in Social and Administrative Pharmacy* 5, (1): 63-70.
- 352) Tahhan, R. A., and R. Y. Abu-Ateih. 2009. Biodegradation of petroleum industry oily-sludge using jordanian oil refinery contaminated soil. *International Biodeterioration and Biodegradation* 63, (8): 1054-1060.

- 353) Talafha, A. Q., S. M. Hirche, M. M. Ababneh, A. M. Al-Majali, and M. M. Ababneh. 2009. Prevalence and risk factors associated with bovine viral diarrhoea virus infection in dairy herds in Jordan. *Tropical animal health and production* 41, (4): 499-506.
- 354) Talafha, A. Q., S. Q. Lafi, and M. M. Ababneh. 2009. The effect of estrus synchronization treatments on somatic cell count of transitional-anestrus Awassi ewes' milk. *Tropical animal health and production* 41, (2): 161-170.
- 355) Tamura, T., M. A. Jamous, K. T. Kitazato, K. Yagi, Y. Tada, M. Uno, and S. Nagahiro. 2009. Endothelial damage due to impaired nitric oxide bioavailability triggers cerebral aneurysm formation in female rats. *Journal of hypertension* 27, (6): 1284-1292.
- 356) Tarawneh, K. A., N. M. Al-Tawarah, A. H. Abdel-Ghani, A. M. Al-Majali, and K. M. Khleifat. 2009. Characterization of verotoxigenic *Escherichia coli* (VTEC) isolates from faeces of small ruminants and environmental samples in southern Jordan. *Journal of Basic Microbiology* 49, (3): 310-317.
- 357) Tumah, H. N. 2009. Bacterial biocide resistance. *Journal of Chemotherapy* 21, (1): 5-15.
- 358) Yassein, M. B., A. Al-Dubai, M. O. Khaoua, and O. M. Al-jarrah. 2009. New adaptive counter based broadcast using neighborhood information in MANETS. *IPDPS 2009 - Proceedings of the 2009 IEEE International Parallel and Distributed Processing Symposium*.
- 359) Yassin, O., and E. Hamori. 2009. Characteristics, clinical features and treatment of supernumerary teeth. *Journal of Clinical Pediatric Dentistry* 33, (3): 247-250.
- 360) Zaghal, M. H., H. A. Qaseer, A. K. El-Qisairi, S. F. Alshahateet, M. Y. Shatnawi, and L. N. Dawe. 2009. Solid state structure of 6,7-dihydro-1,4-di(2-pyridyl)-5H-cyclopenta[d] pyridazine. *Journal of Chemical Crystallography* 39, (8): 564-567.
- 361) Zaitoun, S., A. Al-Majeed Al-Ghzawi, and R. Kridli. 2009. Monthly changes in various drone characteristics of *Apis mellifera ligustica* and *Apis mellifera syriaca*. *Entomological Science* 12, (2): 208-214.
- 362) Zaitoun, S., A. Al-Majeed Al-Ghzawi, and N. H. Samarah. 2009. Distance from honeybee colonies and raceme order affect *Prosopis juliflora* (sw.) DC. flower pollination and seed set. *Advances in Horticultural Science* 23, (2): 81-86.
- 363) Zarai, F., I. Smaoui, L. Kamoun, and M. M. Banat. 2009. Reducing handoff blocking probability in fourth generation wireless networks. *2009 16th IEEE International Conference on Electronics, Circuits and Systems, ICECS 2009*: 811-815.