



CURRICULUM VITAE

PERSONAL INFORMATION:

Full Name Muna Yacoub Hindiyeh
Date of Birth August 24, 1962
Nationality Jordanian
Marital Status Married
Sex Female

Permanent Address

(A) Office German Jordanian University (GJU)
School of Natural Resources Engineering
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UNIVERSITY EDUCATION, DEGREES

Oct. 1992- Oct. 1995 **PhD in Environmental Engineering**
Faculty of Civil Engineering
University of Newcastle upon Tyne, England

Sep. 1985 - May 1988 **MSc Environmental Microbiology**
University of Jordan

Sep. 1981 - Jan. 1985 **BSc Biology**
University of Jordan

1967-1981 **Primary, Secondary and Higher Secondary School**
Rosary College/Shmeisani, Amman.

PRIZES

- Dec. 1989 **Second Prize Winner for Best Scientific Research on Environment, in the competition between Scientists in Arab World of H. E. Sheikh Abdulla Mubarak Al-Sabah Prize.**

AWARDS

- 2010- April Awarded an HM Queen Rania AIT Scholarship to participate in *The Art and Science of Negotiation* executive program in Athens, Greece from April 14-17, 2010. Organized by the Kokkalis Foundation and Athens Information Technology (AIT), a Center of Excellence for Research and Graduate Education and taught by **Harvard's Professor Brian Mandell**, designed to improve the ability of senior organization leaders to confront in internal strife and successfully drive and navigate increasingly complex transactions and relationships and train participants to become effective players in difficult negotiations.
- 1993 - 1996 The Arab - British Chamber Charitable Foundation Award; for PhD studies.
- 1992 - 1995 European Development Fund of the European Commission; for PhD studies.
- 1985 - 1987 University of Jordan Award; for studying MSc degree.
1981 - 1985 Jordanian Army Awards, for studying BSc degree.

Strengths-Based Leadership Report Oct. 2009/Gallup

(my personalized Strengths Insights) 133679003 (Muna Hindiyeh)

Results: **High Capacity in Strategic Thinking.**

I had training Course at USA/Arizona on "Leadership, SEEDS Program, USAID funded". The results of my personalized Strengths Based Leadership insight test report are under the theme of Strategic Thinking included (Ideation, Intellection, Learner, and Futuristic).

More information attached.

EMPLOYMENT RECORDS, POSITIONS HELD, AND NATURE OF WORK

Nature of Work and Current Experience:

(A) Work Experience

Sep. 2010-Present **Associated Professor/** Water and Environmental Engineering Department, School of Natural Resources Engineering. University Council Member; Exchange Coordinator. **German Jordanian University.**

June 2011 – June 2014 **Secretary General Assistant** for Water Quality and Laboratories, Water Authority of Jordan/**Ministry of Water and Irrigation.**

Responsibilities:

1. Approval of plans, programs and policies aimed to control and adjust the quality of drinking water and wastewater and preparation of contingency plans to protect water quality and watershed and methodologies for the safety of the water after setting priorities. **Preparedness for Emergency Water terrorism (chemical and Biological).**

2. Participate in studies and research on water quality and the challenges facing the water sector under the cooperation agreements concluded with the research centers in the Kingdom and abroad.

3. Lead the operational management of Water Quality and Laboratory Sector activities, review and develop the work of the directorates and the outputs of the sector to ensure compatibility of work and achieve the goals of the sector arising from the national and international goals. Ensure the efficient management of financial and human resources including development and maintenance of relevant policies procedures, quality control and international accreditation for labs.

4. Develop, maintain, and organize the work of national teams (Ministry of Health, Ministry of Environment,

NGO, universities, private sector etc.) regarding the quality of water in Jordan, to achieve harmony and pour in the interests of the sector and to achieve the vision envisaged in achieving water security and to provide citizens with safe clean water and raising the level of an individual's health and environmental protection.

5. Lead and Participation in the preparation or amendment of legislation on water quality and conservation.

6. Lead and Participation in events and activities of national and international relevant and provide research and working papers where necessary.

7. Member of the National Higher Committee for the "Quality of Water" formed by the Jordan Prime Minister to discuss, and find solutions for national water issues and provide advice to decision makers, based on national, regional and international priorities.

8. Develop and maintain long term fund generation strategies for water mega projects and nurture relationship with donors for water quality infrastructure, update equipment, capacity building and training.

Oct. 2008 – Sep. 2010

Chairperson for Water and Environmental Engineering Department, School of Natural Resources Engineering. German Jordanian University.

Water and Engineering Department (WEEM) Chairperson perform all of the following duties:

- Teach university subjects to undergraduate and graduate students.
- Prepare and deliver lectures to students and conduct laboratory sessions or discussion groups.
- Prepare, administer and grade examinations, laboratory assignments and reports
- Advise student courses and academic matters and career decisions.
- Direct research programs of graduate students and advise on research matters.
- Conduct research in field of specialization and publish findings in scholarly journals or books.
- Serve on faculty committees dealing with such matters as curriculum planning and degree requirements, and perform a variety of administrative duties.
- Represent my university as speakers and guest lecturers

- Provide professional consultative services to government, industry and private individuals.

Jan 2004-August 2008

Director of the Socio-Economic and Environmental Unit. As well director of the Strategic, Policies and Planning Unit. **The National Council for Family Affairs (Royal Court).**

Responsibilities: Management, Coordinates, Supervise, develop and review policies, legislation and strategies pertaining to the family in Jordan. Guides scientific research and programs towards national priorities to achieve harmonised policies and strategies that are geared towards improving the quality of life of Jordanian families, such as the national legislation review and analysis project, crosscutting family issues with the National Jordanian Strategies, the National Jordanian Family Strategy as well Elderly Strategy, social policies, and research studies along with membership in many committees such as the elderly centers standards, as well member in the Arab Family committee at the Arab Countries League.

Sep. 2002 – 2005

Chairperson of Environmental Science Department/Sciences and Arts Faculty. Jordan University of Science and Technology/Irbid.

Oct. 2000 – Aug. 2008

Assistant Professor at the Jordan University of Science and Technology.

Oct. 1999 – July 2000

University of Applied Technology, Amman-Jordan
Medical Science Department. Assistant Professor, teaching biology 101,102 and Environmental issue courses.

Oct. 1998 - Dec. 1999
Sep. 1997 - Dec. 1998

University of Birzeit, Palestine.
Community and Public Health Department;
Visitor Assistant Professor, teaching Environmental Health Course, for students of the Masters in Public Health.

Oct. 1992 - Oct. 1995

University of Newcastle upon Tyne, England
Environmental Civil Engineering Department
Part time teaching laboratory methods in environmental microbiology, courses for MSc. engineers students.

1985 - 1987

University of Jordan
Biology Department
Part time teaching and demonstration in microbiology lab., courses for BSc. Biology students.

(B) Research and Professional Experience

Aug. 1987 – Oct. 2000

Senior Environmental Microbiology Researcher
Water Quality Division, Environmental Research
Center, **Royal Scientific Society**, Amman - Jordan.
Quality Officer for Water Microbiology Lab.
Responsible for laboratory **accreditation**.

(a) Monitoring and Evaluation

- (1) Evaluation efficiency of different type of wastewater treatment plants and reuse of the effluent for irrigation. This work involved depth experience in waste stabilization pond performance.
- (2) Evaluation reservoirs and surface water quality for irrigation, algae problems and eutrophication. Also expert in drinking and bottled water quality.
- (3) Expert in helminth eggs detection (counts and viability) in water, wastewater and sludge samples. Developed method for detecting the viability of *Ascaris* eggs using vital stains.
- (4) Researched in disinfection of drinking water by using solar radiation.
- (5) A member of the Jordanian committees for setting standards and regulations for sludge reuse in agriculture, drinking water quality, and food standards.
- (6) A member of Jordanian Water Ministry Committee for drinking and surface water quality during 1998-1999, regarding Zai water treatment plant problem.

2005-2008

Library of life of the Desert Research Project: Project to document Hot Springs water and Dead Sea water life, which will link to other biology data banks, Led by **Stanford University** and the non-profit Bridging the Rift (BTR) Foundation. The "Library of Life of The Desert" which is intended to document all forms of life between the Dead Sea and the Red Sea will serve as a prototype for the Library of the Middle East (LOME). The software, which will be developed under the auspices of the BTR project, will integrate the data collected and will make it accessible to scientists throughout the world. Prof. Marcus Feldman, a respected biologist and director of Stanford University/Morison Institute, and Prof. Ron Elber, a leading computer scientist at Cornell University. Many Scientific papers had been published.

Funded Projects:

- **Project funded by Erasmus+**, capacity building in the field of higher education. **Project title:** Development of Environmental Engineering and injection of climate change concept for Undergraduate curriculum: EU experience for Jordan and Syria. (EGREEN), **Grant Holder:** University of Jordan; **Budget:** 1 million Euros; **Duration:** 3 Years; **Start Date:** 15 October 2016 - 14 October 2019; **GJU Budget:** 67'000 Euros; **Principal Investigator/GJU:** Dr. -Eng. Louy Qoaider; **Co-Investigator/GJU:** Dr. Muna Hindiyeh
- Project funded by Tempus (2011-2015) Titled: Curriculum development for Master Program of environmental Engineering and Climate change" **Total Grant EU: 1,006 583.05**. The Grant holder by Jordan University. (**German Jordanian University share: 104,648 Euro**).
- Project funded by Scientific Research Support Fund (2011) titled: Decision Support System for the Management of Zarqa River. Total Grant Jordan Dinar: 71,442, for 30 months.
- UNDP funded the Country Analysis Report "**Assessment of Corporate Environmental Responsibility in Jordan**". Project "Launching the UN Global Compact" On Assessment of Environmentally Friendly Technology in Jordanian Industries. UNDP, October, 2007. Total Fund 5000 US\$.
- WHO/CEHA funding Project writing "**Integrated Guide in Sanitary Parasitology: Theoretical and Practical Aspects**" (2004). WHO/CEHA, a book 108 pages. Arabic and English, French, and Portuguese Languages. <http://www.emro.who.int/ceha/publication.asp>. Total fund: 12 000 US\$.

Advisor for PhD or MSc Studies

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|------------|---|
| Aug., 2002 | Coadvisor for MSc study Title " <i>Prevalence of Cryptosporidium parvum in drinking water in Bani-Kenaneah district-northern Jordan</i> ".
Student name: Abbas Y. Seiah.
MSc Programme in Faculty of Veterinary Medicine. |
| May 2003 | Principle advisor for MSc study on " <i>Solar disinfection for drinking water</i> ". Environmental Department; Science Faculty, University for Science and Technology, Jordan |
| May 2003 | Principle advisor for MSc study on " <i>Microbial quality on dental unit waterline</i> ". Environmental Department; Science Faculty, University for Science and Technology, Jordan. |

- June 2003** Coadviser for MSc study Title “*Towards Green Schools in Jordan*”. Architecture Engineering Department. University for Science and Technology, Jordan.
- Sep. 2008-Dec 2010** Co advisor for PhD study Title:" Detection, Identification and Genotyping of Some Bacteria Contaminated Drinking Water in Poultry Farms in Selected Governorates in Jordan. Biology Department/University of Jordan.
- Nov. 2013** Co advisor for MSc study Title: Solar Water Disinfection Using concentrating Solar Power Technology. Mechanical Engineering Department/University of Jordan.
- 2014 Hammad, O. (2014): “**Study of sustainable and feasible improvement of water supply for poor rural communities – Case study: Bedouins in Jordan Valley**”. Master Thesis, Institute for Technology and Resource Management – Cologne University of Applied Sciences; Water, Energy and Environment Center – University of Jordan, unpublished.
- Oct. 2014-2016** Investigation of Cleaner Production Aspects of Solid Dosage-form Manufacturing Process in a Pharmaceutical Company in Jordan. Co advisor for MSc. Study Title: Mechanical Engineering Dep., University of Jordan. Student Eng. Tala Talafha.
- Oct. 2014 - 2016** **Advisor for Graduation projects with title:**
- Emergency preparedness for Bioterrorism in water quality.
 - Culturing Algae for biodiesel production.
 - Improving Water Quality by Using Solar disinfection.
 - Telemetry Monitoring for Water Quality.
 - Adoption to climate Change in the Jordan Valley.

External Examiner for MSc studies:

- (a) April, 2000 MSc. study Title “*A study of the microbial and chemical quality of drinking water in selected areas in Amman*”.
Student name: Hamzeh Al-Qadiri.
MSc Programme of Food Science/Faculty of Agriculture. University of Jordan.
- (b) May, 2001 MSc. study Title “*Study the using of UV radiation as an environmental alternative for Chemical use in Drinking Water Disinfection*”.
Student name: Lana Saeed.
MSc. Programme in Environmental Sciences and Management/ University of Jordan.
- (c) June, 2002 MSc. Study Title “*A study of selected microbial indices of water pollutin of Wadi Al-Arab reservoir in Jordan*”.
Student name: Ma’aweih Haddad
MSc. Programme at the Faculty of Agriculture/ University of Jordan.
- (d) Dec. 2002 MSc Study Title “*Prevalence of coccidiosis in broiler-chicken farms in Jordan*”.
Student name: Rami J. Al-Gharabat. MSc Programme in Veterinary Medicine. JUST University.
- (e) Sep. 2003 MSc Study Title “*Mathmatical modelling on groundwater quality*”.
Student name: Murad M. Momani. MSc. Programme at Mathematics Department, Yarmouk University.
- (f) June 2008 MSc Study "Water Quantity and relation to health"
Jamal Abu Ashour/Civil Engineering
Department/Jordan University for Science and Technology.

PUBLICATIONS

- (41) Al-Omari, A., Al-Bakri, J., HindiyeH M., Al-Houri, Z., Farhan, I. and Jibril, F. (2016). Integrated Hydrologic and Quality Model for Zarqa River Basin. Environmental Earth Sciences Journal. Submission ID: ENGE-D-16-02028. Springer Journals.
- (40) Sakhrieh, A. H.; Alamir, A. I; and HindiyeH, M. Y. (2016). Water Disinfection Using CSP Technology. International Journal of Applied Engineering Research, ISSN 0973-4562; Vol. 11, no. 15, pp. 8673-8680.
- (39) Haddad, J., **HindiyeH M.**, Hasan W. and Lahham M. (2016). Solar disinfection of drinking water using sand as a UV-light Amplifier. TU Graz- 2 International ESEIA Conference on Smart and Green Transitions in Cities and Regions, Campus Inffeldgasse, Graz, Austria.
- (38) Lahham, M., Holdmann C. and **HindiyeH, M.** (2015). Growth of *Chlorella sorokiniana* SAG 211/8k on Anaerobic Liquid Digestate within a 6 Liter Flat Panel Airlift Photobioreactor as a source for biofuel production. International Conference of Young Scientists on Innovative Applied Renewable Energy Researches May 18 – 20, 2015, Amman, Jordan.
- (37) Mohammed Matouq, Mohammed Qtaishat, Nina Jildeh, **Muna HindiyeH**, Maha Alsyouf (2015). The adsorption kinetics and modelling for heavy metals removal from wastewater by Moringa Pods. Journal of Environmental Chemical Engineering, volume 3, Issue 2, Pages 775–784, Elsevier.
- (36) Matouq, M.; El Hasan T.; Al Bilbisi H.; Abdelhadi, M.; **HindiyeH, M.**; Eslaiman, S.; Duheisat, S. (2013). The climate change implication on Jordan: A case study using GIS and artificial neural networks for weather casting. Journal for Science of Taibah University. 7:44-55. Peer reviewed Journal ISSN:1658-3655 Elsevier.
- (35) **Muna Y. HindiyeH**; Malyuba Abu-Daabes; Haitham E. Salti (2012). **Corporate Environmental Responsibility in Jordan: “The Potentials and Limits”**. Chapter Six in **Book titled "CSR in the Middle East"**, which published by Palgrave and through American University of Beirut .Peer Reviewed Book.
- (34) Noga Qvit-Raz, Omri Finkel, Taghleb Al-Deeb, Hanan I. Malkawi, **Muna Y. HindiyeH**, Edouard Jurkevitch, and Shimshon Belkin (2012). *Biogeographical diversity of leaf associated microbial communities from salt secreting Tamarix trees of the Dead Sea Region*. Research in Microbiology Journal, Vol. XX, Page 1-9, Published by Elsevier. Online <http://dx.doi.org/10.1016/j.resmic.2011.11.006>.
- (33) Fayad, Manar, and **HindiyeH Muna** (2011). Training Modules on “Water Safety Plan”, 2011, CEHA, WHO.

- (32) **M. Y. Hindiyyeh**, S.G. Haddad and S.K. Haddad (2011). Substituting Bakery Waste for Barley Grains in Fattening Diets for Awassi Lambs. *Asian-Aust. J. Anim. Sci.* Vol. 24, No. 11 : 1547 – 1551.
- (31) **Hindiyyeh M. Y.** and Al Banna M. (2010). Sustainable Water Management in Jordan and its Consequences on Society. Chapter in Book titled: *Kultur des Aufwachsens-Soziale Arbeit, Bildung und Religion in Jordanien, Libanon und Deutschland*. LIT Verlag.
- (30) Sadoun, I.; Batayneh E.; Alhandal A. and **Hindiyyeh M.** (2010). Physicochemical features of Wadi Al-Arab Dam (reservoir), Jordan. *Oceanological and Hydrobiological Studies*. Vol. XXXIX, no. 4,191-205.
- (29) **Hindiyyeh, Muna** and Ali, Ashraf (2010). Investigating the efficiency of solar energy system for drinking water disinfection. *Desalination Journal*. 259:208-215. www.elsevier.com/locate/desal .
- (28) Ionescu, D., **Hindiyyeh, M.Y.**, Malkawi, H.I., and Oren, A. 2010. Biogeography of thermophilic Cyanobacteria: insights from the Zerka Ma'in hot springs (Jordan). *FEMS Microbiol. Ecology*, 72, 103-113.
- (27) Oren, A., Ionescu, D., **Hindiyyeh, M.Y.**, and Malkawi, H.I. 2009. Morphological, phylogenetic and physiological diversity of cyanobacteria in the hot springs of Zerka Ma'in, Jordan. In: Krupp, F., Musselman, J.L., Kotb, M.M.A., and Weidig, I. (eds.), *Environment, Biodiversity and Conservation in the Middle East. Proceedings of the First Middle Eastern Biodiversity Congress, Aqaba, Jordan, 20-23 October 2008*. BIORISK – Biodiversity and Ecosystem Risk Assessment 3: 69-82.
- (26) Ionescu, D., Oren, A., Levitan, O., **Hindiyyeh, M.**, Malkawi, H., and Berman-Frank, I. 2009. The cyanobacterial community of the Zerka Ma'in hot springs, Jordan: morphological and molecular diversity and nitrogen fixation. *Algological Studies* 130: 17-26.
- (25) Bodaker, I., Béjà, O., Rosenberg, M., Oren, A., **Hindiyyeh, M.Y.**, and Malkawi, H.I. 2009. Archaeal diversity in the Dead Sea: microbial survival under increasingly harsh conditions. pp. 137-143 In: Oren, A., Naftz, D.L., Palacios, P., and Wurtsbaugh, W.A. (eds.), *Saline lakes around the world: unique systems with unique values*. The S.J. and Jessie E. Quinney Natural Resources Research Library, College of Natural Resources, Utah State University.
- (24) Ionescu, D., Oren, A., **Hindiyyeh, M.**, and Malkawi H. 2008. Microalgae and cyanobacteria of the Dead Sea and its surrounding springs. *I. J. Plant Sciences*. 56: 1-13.
- (23) Ma'ayeh SY, Al-Hiyasat AS, **Hindiyyeh M.Y.**, Khader Y. S. (2008). *Legionella pneumophila* contamination of a dental unit water line system in a dental teaching centre. *Int J Dent Hygiene* 6, 2008; 48–55.

(22) Al-Hiyasat A. S., Ma'ayeh S.Y., **Hindiye M.Y.**, Khader, YS. The presence of *Pseudomonas aeruginosa* in the dental unit waterline systems of teaching clinic. Int J. Dent Hygiene 5, 2007; 36–44.

(21) **Hindiye M.** (2007). **Assessment of Corporate Environmental Responsibility in Jordan.** Project "Launching the UN Global Compact" On Assessment of Environmentally Friendly Technology in Jordanian Industries. UNDP, October, 2007.

<http://www.undp-jordan.org/Portals/0/GC%20Environment%20report.doc>.

(20) Ionescu D., Oren A., **Hindiye M.**, and Malkawi M. (2007). The thermophilic cyanobacteria of the Zerka Ma'in thermal springs in Jordan. In Part 5: Phototrophs in hot alkaline and acidic environments and non-thermal acidic habitats. The Book ed.: Seckbach, J. Title: Algae and Cyanobacteria in Extreme Environments, series: Cellular Origin, life in Extreme Habitats and Astrobiology, Vol. 11. 450 p. ISBN: 978-1-4020-6111-0. Springer.

<http://www.springer.com/east/home/life+sci/microbiology?SGWID=5-10037-22-173>.

(19) **Hindiye M.** (2007). Corporate Social Responsibility in Supporting Sustainable Development in Jordan. 4th Meeting 29 April - 2 May 2007 on Civil Society Organization and its Impact on Raising Accountability and Transparency. Organized by Arab Countries League (Arab Organization for Management Development) and the Jordanian National Commission for Women, and The Jordanian Hashemite Fund for Human Development and The Higher Council for Population. Page 153.

(18) Rida A. Shibli, Mohamad A. Shatnawi, Munir J. Mohammad, **Muna Y. Hindiye**, and Abdullah Abu–Ein (2007). Influence of Zn and Mn Levels on Growth and Micronutrient Acquisition of Apple Microculture. American– Eurasian J. Agric. & Environ. Sci., 2(2):147-152,2007. ISSN 1818- 6769 IDOSI Publications.

[www.idosi.org/aejaes/jaes2\(2\)/JAES%202\(2\).pdf](http://www.idosi.org/aejaes/jaes2(2)/JAES%202(2).pdf)

(17) Abed Alrahman N. M.; Shibli, Rida A., Ereifej K. I.; **Hindiye M. Y.** (2005). Influence of salinity on growth and physiology of in Vitro grown cucumber (*Cucumis sativus* L.). Jordan Journal of Agriculture Sciences, Volume 1, no. 1 page 93-104.

(16) Abo-Shehada, M., **Hindiye M.**, and Saiah A. (2004). Prevalence of *Cryptosporidium parvum* in private drinking water cisterns in Bani-Kenanah district, northern Jordan. Int J Environ Health Res 2004;14:351-8.

(15) **Hindiye M.** (2004). "Integrated Guide in Sanitary Parasitology: Theoretical and Practical Aspects". WHO/CEHA, a book 108 pages. Arabic and English, French, and Portuguese Languages, <http://www.emro.who.int/ceha/publication.asp>.

(14) **Hindiye M.** (2001). Basic Vital Stains Exclusion As a Method for Detecting the Viability of *Ascaris* Eggs. Fourth Scientific Day May/2001. Faculty of Sciences and Arts, University of Jordan for Science and Technology, Irbid.

(13) **Hindiye M.**, Abu-Qudais (2001). Development of Drinking Water Quality standards in Jordan. INCO-MED Water Conference. June 11-12, 2001, Radisson

SAS, Amman. MEDAQUA

<http://www.medaqua.org/Conf2001/Presentations2001.htm>

(12) Halaseh, N., **Hindiye M.** and Hayek, B. (2000). Monitoring Water Quality at King Abdullah Canal and Zai Treatment Plant. Environmental Research Center, Royal Scientific Society.

(11) **Hindiye M.** (1998). Safety of anaerobic ponds and oxidation ditch sludges for agricultural reuse in Jordan. WEDO Conference titled "Small and Medium Size Domestic Water Conservation, Wastewater Treatment and Reuse", Beit Jala, Palestine. Supported by Netherlands Government, South African Government and World Bank.

(10) **Hindiye M.**; Filfil, M. and Dajani, D., Giacaman R. (1997). Report Submitted to UNDP: **Waste Minimization and Pollution Prevention Audit, a Case Study on Electroplating Industry, at al-Bireh, Ramallah City**".

(9) **Hindiye M.** (1997). The safety of waste stabilisation ponds sludge for agricultural reuse. The International Conference on "Development and environmental impact". Ministry of Municipality and Rural Affairs. Riyadh - Saudi (21 - 23 Sep.).

(8) Hayek, B.; Mosa, M.; and **Hindiye M.** (1996). Review of heavy metals discharges and the current wastewater management at selected Jordanian industries and the impacts on domestic wastewater treatment plants. Workshop on "The Limitation of Pollution Due to Heavy Metals and Alternative Technologies", WHO, Amman.

(7) **Hindiye M.** (1995). "Enumeration and Survival Studies on Helminth Eggs in Relation to Treatment of Anaerobic and Aerobic Sludges in Jordan". PhD Thesis, Environmental Engineering Department, University of Newcastle upon Tyne.

(6) Al-Karmi, A., Itayem, M., **Hindiye M.**, and Assi, R. (1992). Evaluation of the Viability of Solar Water Disinfection System. Report submitted to the Higher Council for Science and Technology.

(5) Al-Karmi, A. and **Hindiye M.** (1992). Water Disinfection Using Solar Energy. Jordanian Journal of Energy, Abstract Vol. 1, no. 3.

(4) Participate in Annual Reports for "King Talal Reservoir Project" in 1991/1992-1999/2000. Royal Scientific Society.

(3) **Hindiye M.** and Hashwa, F. (1988). "Impact of Khirbet Al-Samra Waste stabilization Ponds on Organic Matter and Bacterial Biodegradation in King Talal Reservoir". Presented poster in "1st Conference in Biological Science". Holiday Inn Hotel, Jordan.

(2) **Hindiye M.** (1988). "Impact of Khirbet Al-Samra Waste stabilization Ponds on Organic Matter and Bacterial Biodegradation in King Talal Reservoir". MSc. Thesis, Biology Department, Jordan University.

(1) Ramadan, S.; Saidam, M., Al-Baz, I. and **HindiyeH, M.** (1986/1987). "Study of Al-Samra Waste Stabilization Ponds Project". Annual Report, submitted to the Ministry of Water and Irrigation.

Conferences

- (1) HindiyeH, M. (2014). Development of Water Quality Standards in Jordan. Exceed Regional Workshop: "Urban Water Management and Water Demand Management. DAAD-SWINDON. Antalya-Turkey. <http://tubs.exceed-swindon.org/regional-workshop-urban-water-management/>
- (2) HindiyeH M. and Albanna M. (2009). "Assessment of climate change impacts on water resources Management and options in Jordan". *G-WADI Regional Workshop- " Climate Change Impact on Water Resources : Risk, Assessment and Management in Arid & Semi-Arid Regions"*/Amman. UNESCO.
- (3) HindiyeH M. (2009). Corporate Social and Environmental Responsibility: Jordanian Experience. First Arabic Forum for Corporate Social Responsibility. 13-15 April 2009. Shareqa, Arabic Administration Development Organisation (Arado)/Arab Countries League.

Writing many articles in local magazines, and newspaper

- 1) HindiyeH, M. (Dec., 2014). Environmental Performance Indicator Ranking in Jordan: Improvement. Al-Rai News Paper.
- 2) HindiyeH, M. (19 Jan., 2011). "Environmental Performance Indicator, Progress". Issue Number Jordan ,Al-Rai News Paper.
- 3) HindiyeH, M. (6 Jan, 2011). Water is a basic need or economic good?. Issue no. 14692, Al-Rai Newspaper.
- 4) HindiyeH, M. (May, 2007). Environmental Priorities at the National Strategies of Jordanian families. Marwa Magazine.
- 5) HindiyeH, M. (15/5/2007). **Corporate Social Responsibility** and the need for fighting corruption. Issue no. 13374, Al-Rai Newspaper. http://www.alrai.com/pages.php?articles_id=16287
- 6) HindiyeH, M. (11/4/2007). **Global Compact of United Nation as a Challenge for Application in Jordan. Issued** no. 13340, AL-Rai Newspaper. http://www.alrai.com/pages.php?news_id=151467
- 7) HindiyeH, M. (20/3/2007). **International Standards for Social Accountability SA 8000. Issued no. 13318. Al-Rai Newspaper.** http://www.alrai.com/pages.php?news_id=148265

- 8) HindiyeH, M. (4/3/2007). **Corporate Social Responsibility in Supporting Sustainable Development in Jordan**. Issued no. 13302, AL-Rai Newspaper. http://www.alrai.com/pages.php?news_id=145886
- 9) HindiyeH, M. (13/2/2005). Justifications for Establishing Jordanian Environmental Court. Al-Rai News paper, Issued no. 12564.
- 10) HindiyeH, M. (17/2/2003). Jordan Enter New Era in Application Environmental Standards on Industries. Issue no. 8847, Middle East News Paper.
- 11) HindiyeH, M. Drinking Water Solar Disinfection: Advantages and Performance. Al-Rai Newspaper, 27 Sep. 1996.
- 12) HindiyeH, M. and Hamad, Z. (1996). WHO Guidelines and National Standards for Water Quality. Royal Society for the Conversation of Nature. Reem Journal, vol. 58, pp. 28-29.
- 13) HindiyeH, M. (1991). Pollution and Algae: Eutrophication. Royal Society for the Conservation of Nature. Reem Journal, vol. 42, pp. 23-24.
- 14) HindiyeH, M. (1988). Role of Algae in Water Systems. Royal Society for the Conversation of Nature. Reem Journal, vol. 23, pp. 12-15.

Also many lectures were given for schools in environmental awareness.

(C) Consultant Experience, Editor & Committee member

International and local consultant services regarding water, wastewater and sludge quality and its suitability for different uses.

March 2015- Present	National Water Committee Chair for the National Environmental Report, 2 nd edition. Ministry of Environment/Jordan.
April 2015 – 2016	National IUCN Committee member. International Union for Nature Conservation.
May 2013 - present	Steering Committee member at the National Implementation Committee for decentralization of Wastewater treatment plant management in Jordan. Ministry of Water and Irrigation and Helmholtz Center for Environmental Research (German:Umweltforschungszentrum(UFZ)).
Jan 2015 – June 2015	Committee member for the Operation and Maintenance for Decentralization Wastewater Treatment Plant.

June 2011-June 2014	Board Member at the Meteorology and Standards Institution for Jordan.
March 2011- present	“Approved Assessor” King Abdullah II Center for Excellence.
2010	Assessor for the Public works Ministry Award, for private companies leading Environmental Projects.
2008-2010	The national committee member in the Scientific Research Priority Project. Higher Council for Science and Technology.
2008-present	The national committees member for setting standards and regulations for water and wastewater. Jordan Institution for Standards and Metrology.
2007-2013	National committee member for Corporate Social Responsibility, Jordan Institution for Standards and Metrology.
2007 - 2014	Member in the Water Quality Committee, Ministry of Water and Irrigation, Jordan.
2012-2014	Committee member for Water and Environment/ Research Fund. Higher Education Ministry.
July 2007– Oct 2007	Consultant for UNDP on the Project "Launching Global Compact" Assessment of Environmentally Friendly Technology in Jordanian Industries, Corporate Environmental Responsibility in Jordan”.
2006- 2009	Review Editor for CWANA CHAPTER TWO HISTORICAL AND CURRENT PERSPECTIVES OF AKST. www.agassessment.org/docs/CWANA_C2_text_291107.pdf .
2005 – Present	Advisory Board Member. G. U. Journal of Science. www.fbe.gazi.edu.tr/dergi/main.php?lan=en&option=54
2005 – 2008	Member at the Arab Family Committee at the Arabs Countries League.
August 2006	A Member of the Committee for drafting the Ordinance for the Elderly Care Homes. Ministry of Social Development.

- Feb. 2005
Committee member for preparing National Plan for Accidents in Jordan and Prevention, coordinated with Ministry of Health and WHO.
- 2004 – Aug 2005
Consultant in the Project "Good Water Neighbors: A Model for Community Development Programs in Regions of Conflict. Friends of Earth Society of Middle East. Supported by European Commission SMAP Program and The US Government Wye River Program. http://www.foeme.org/index_images/dinamicas/publications/publ19_1.pdf
- Oct. 2003 – June, 2004
Consultant for Quality Control Audit in Gaza Strip laboratories, as well industrial pollution control for PEIFZA. Project funded from World Bank, cooperation with Ecoconsultant Company/Amman.
- 19-20 Nov. 2002
Member in the Health Sector committee for writing the Health Strategy for Jordan. Competitiveness Strategic Through Research and Development. Third Economic National Meeting. **Royal Hashemite Court**, Economic and Development Department. Aqaba, Jordan.
- April 2002 - Present
Member in the **Environmental Information Committee**, at the National Information Center, Higher Council for Science and Technology, Amman.
- Jan., 2002 - Present
Member in the Central Tenders Committee, University of Jordan for Science and Technology.
- Aug. 2001 – March 2002
Member in the **Planning Committee** for the Project Title "Water Conservation Concepts in the School Curriculum"; with Water Efficiency and Public Information for Action Project (WEPIA) with the Academic Education Development (Washington, USA).
- 1998 – 2000
Member in the Quality Assurance and Accreditation Committee as well Quality Assurance Officer for Water and Wastewater Microbiology Lab. at the Environmental Research Center/Royal Scientific Society.
- 1999 – 2000
Working on the project "Verification of the Effectiveness and Acceptance of Water Disinfection by Musaffa Bags in Small Communities of Jordan". Funded by **WHO/CEHA**, Amman.

1998 - 1999	Consultant for Water Authority in Jordan, and Jordan Parliament related to Zai treatment plant drinking water problem.
Oct. 1998	Consultant for CDM CAMP DRESSER & McKEE INTERNATIONAL, USA, in association with Water Authority in Jordan. Working on drinking water problem at Zai treatment plant, related to presence of nematode larvae.
Sep. 1997 - Dec. 1997	Tokten Program Consultant, UNDP/PAPP, Jerusalem. Submitting Palestinian Industrial Wastewater Report, specifically on “Waste Minimization and Pollution Prevention Audit, a case study on Electroplating Industry, at West Bank”.
Nov. 1995 - Feb. 1996	Consultant in pathogens removal from different domestic wastewater treatment plants and sludge treatment processes for Harza Company (USA), preparing Master Plan for Amman-Zarqa basin.
Nov. 1992 - Mar. 1993	Undertook a project with CDM CAMP DRESSER & McKEE INTERNATIONAL, USA, in association with SIGMA CONSULTING ENGINEERS, JORDAN and the Water Authority of Jordan, to quantify pathogens (bacteriology and parasitology) in Al-Samra waste stabilization pond sludge , for evaluating it for ultimate disposal and agriculture use as fertilizer.

(D) Organizing, Conducting Seminars, Training Courses and Workshops:

Organizing and conducting awareness campaign, training courses and workshops for environmental education and health:

- Organizing Technical Training Course for Trainers on “**Chemical and Biological Analysis for Wastewater Reuse in Agriculture**”. 7/3-25/3/2010. Funded by the FAO, within the framework of project UTF/SAU/012 “Sustainable Development for Irrigated Agriculture in Al-Hassa”. Amman-Jordan. Organized by German Jordanian University and Water and Irrigation Ministry.
- Organizing a Regional First Arab Forum: “**Corporate Social Responsibility CSR “ 13-15 April 2009 at AlSharega, UAE**. In Cooperation with Arab Organization for Administration Development/ Arabs Country League.
- Terra Vertis, with UNIDO organizing training workshop on “Corporate Social and environmental responsibility and sustainability” (2008) in Amman. The interactive 2-day course brought together 20 participants from different companies in various sectors including manufacturing, apparel, logistics, information technology, agriculture, risk consultancies, financial and educational institutions along with NGOs and governmental representatives

with the unique opportunity to be exposed to the latest skills in this field along with the needed tools and competencies required to become qualified CSR professionals.

- Organizing a Regional Training Course on "Hazardous Substances Management" in cooperation and funded from Basel University for Science and Technology (FHBB)/Switzerland Nov. 2004.
- Organizing and conducting Discussion Seminars "Upgrading and Sustaining the Parliamentarians (Upper and Lower House) Participation in the Understanding of Jordanian Environmental Legislations with Reference to Emerging Key Issues. May 2004, and Dec. 2004. Swiss Embassy Funds.
- Conducting training course on "Water Monitoring and Sampling" "Industrial Pollution Control" for Gaza Strip professionals, 2 weeks, March 2004, funded by World Bank.
- Organizing six training courses for "Water Demand Management", funded from USAID, cooperation with WEPIA, started from Feb. 2004 – Aug. 2004.
- Organizing and Chairman of Workshop "Arid Land and Sustainable Development. Env. Science Department / JUST cooperation with Jordan Center for Studies. 13 Aug. 2003.
- Organizing conference "First Environmental Conference for Jordanian University Student. JUST, 6 May 2003.
- Organizing and Chairman for Seminar Title "Agenda 21". Sponsored by Children and Youth Cultural Society, Amra Hotel, Feb. 2001. Under the Patronage of Princess Tahgreed.
- Organizing training workshop for School teachers, Title "Defining the curriculum guide for integrating water issues in the national curriculum" with Water Efficiency and Public Information for Action Project (WEPIA) Academic Education Development (Washington, USA) and RSCN. Aug. 2001.
- Representing Jordan in the Water Supply and Sanitation Council Meeting Nov. 2000, at Foz du Iguacu, Brazil. Preparing for Middle-East Region meeting.
- Water Gender Ambassador, for the Second World Water Forum. Rotterdam & The Hague Feb. & March 2000. Preparing the Agenda related to the subject of Water & Gender.
- Conducting a training course for Trainers on "Detecting and Counting Intestinal Nematode Eggs in Wastewater and Sludge". In cooperation with Royal Scientific Society and World Health Organization, CEHA, Amman for Eleven Arab Countries (Nov., 1999).
- Conducting training course in "Drinking Water: Sources, Quality and Treatment" sponsored by the Jordanian Engineering Association, Oct. 1998.
- Conducting training course in "Local and International Standards & Guidelines for Water Uses" sponsored by the Jordanian Engineering Association, June 1998.
- Organizing Seminar titled "Child and Environment", sponsored by the Jordan Environment Society, Youth and Children Educational Society and Mediterranean Environmentalist and Media Network, Feb. 1998.
- Organizing Scientific Day on "Industrial Wastewater Impacts on Palestinian Environment and Health". Held at the Birzeit University on 6th Dec. 1997, Palestine.

- Committee member for organizing Scientific Water Day (23-25 Oct., 1997), held by Jordanian Engineering Association.
- Conducting training course in Sanitary Parasitology, included lectures and practical demonstration (26 - 30 April 1997), for national and international participants. Held at the Water and Environment Research & Study Center, University of Jordan.
- Seminar titled “Wastewater Treatment Plants: Principles; Current status; Safety”. Sponsored by USAID and Jordan Environment Society, Dec. 1996. Held at International Jerusalem Hotel.
- Seminar titled “Child and Environment“, sponsored by Jordan Environment Society, Nov. 1996.
- Seminar titled “Woman and Environment”, sponsored by Jordan Environment Society, Oct. 1996.
- Seminar titled “Role of Family in Development Awareness in Economic Consumption of Water”, sponsored by USAID and Jordan Environment Society, Sep. 1996.
- Environment Action Day at Al-Dajanieh Village near Mafraq City, sponsored by Awareness Project in Water Program (USAID) and Jordan Environment Society, Sep. 1996.
- Seminar titled “Role of Woman in Economic Consumption of Water”, Sponsored by USAID, Water and Irrigation Ministry, and Jordan Environment Society, June 1996.
- Seminar titled “School and Environment”, sponsored by Jordan Environment Society, May 1996.

(E) Presenting Lectures at Training courses, Seminars, Conferences and Workshops:

- Presenting paper title “**Banking CSR "Writing Sustainable Report"**. Second Meeting on Banking CSR, Sep 2011. Banks Society.
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- Presenting paper title “**Banking CSR in Supporting Sustainable Development in Jordan**. First Meeting on Banking CSR, Jan 2010. Banks Society.
- Keynote Speaker: “CSR: Fundamentals and Concepts” at the Regional First Arab Forum: “**Corporate Social Responsibility CSR “ 13-15 April 2009 at Al Sharega, UAE**. In Cooperation with Arab Organization for Administration Development/ Arab Countries League. Titled:
- Presentation regarding “The Development Era of CSR in Jordan”. a Regional First Arab Forum: “**Corporate Social Responsibility CSR “ 13-15 April 2009 at AlSharega, UAE**. In Cooperation with Arab Organization for Administration Development/ Arabs Country League.
- Present a paper on “**Women and Environment in Jordan: Facts and Numbers**” at the workshop "Arab Women in Academic Sciences and Technology: For Sustainable Development" at Jordan University for Science and Technology, April 2008, Jordan.
- Present a paper on “**Corporate Social Responsibility and Fighting Corruption**” at the Workshop "The Role of Transparency and

- Accountability on the National Development" at the Al Balqa Applied University, April 2008, Jordan.
- Lectures on Environmental Sanitation for Joint Master Program " Integrated Water Resource Management". Between Cologn University and Jordan University. Jan. 2008 till now.
 - Guest Lecturer "The Natural Environment and Cultural Landscapes". At Regional Tour Symposium, November 21-23, 2007, Jerusalem. Promoting dialogue and Cultural Understanding of our Shared Heritage (PUSH Project). <http://www.pushproject.org/page47/page49/page49.html>
 - Giving lectures on the training course "Monitoring and Surveillance of Wastewater Reuse in Agriculture" Conducted by Arabic International Center for Environmental Health, Training for Ministry of Health in Bahrain. 9 Dec. 2007 – 13 Dec. 2007.
 - Giving lectures on the training course "Detection and Enumeration of Nematode eggs in Wastewater and Sludges" Conducted by Arabic International Center for Environmental Health, Training for Iraqi Researchers. 18 Nov. 2007 – 21 Nov. 2007.
 - Presenting a paper title “**Development of Jordanian Drinking Water Quality**” at the Symposium on Frontiers of Science and Technology. The National Academies/ USA. University of KOC – Istanbul, 21-23 Sep. 2003.
 - Presenting a paper title “**The success of Jordanian Standards in Limiting industrial effluent: a case study**”. International workshop on “ Management of Hazardous Substances and Goods”. Sep. 8-19, 2003, Institute of Environmental Technology, University of Applied Sciences Basel, Switzerland.
 - Presenting a paper title “**Impact of environmental regulations on exports and imports**”. Environmental Law Conference, Law Faculty, Jarash University, 21-22 May 2003.
 - Presenting a paper title “**Child waste pickers: The occupation and its health risks**”. The International conference on Waste Management. Dec. 16-18, Muscat, Oman.
 - Presented a one day lectures, Titled “**Concepts of microbiological trouble shooting in wastewater treatment plants**” and “Pathogens removal from sludges: a case study”. Two weeks of training course on “Management of Wastewater Treatment Plants”. Sponsored by the USAID and the Environment and Water Studies Center at the University of Jordan, Oct. 2001.
 - Presented a Paper Titled “**The success of Jordanian standards in limiting Industrial effluent discharges of metals to the sewer systems**”. Workshop “Industrial Wastewater” at the Yarmouk University, Aug. 2001. Sponsored by General Corporation for Environment Protections.
 - Presented a one-day lectures about **Water pollution issues in Jordan**. Training Course for Training University students on Environmental Issues. Sponsored by Water Efficiency and Public Information for Action Project (WEPIA) Academic Education Development (Washington, USA) and Children & Youth Cultural Society, Oct. 2000 and August 2001.

- Presented a one day lectures and laboratory session regarding "**Pathogens Removal from Wastewater Treatment Plants**". Three week of training course on "**Wastewater Treatment and Reuse**". Sponsored by the USAID and the Environment and Water Studies Center at the University of Jordan, March. 2001.
- Presented a one-day lectures and laboratory session regarding "**Biological problems in Drinking Water**". A week of training course on drinking water. Sponsored by the USAID and the Environment and Water Studies Center at the University of Jordan, Sep. 2000.
- Presented a one-day lecture about Environmental issues. Training Course for Training Teachers on Environmental Issues. Sponsored by Switzerland Embassy and Children & Youth Society, Oct and Nov. **2000**; Aug., Sep. and Oct. **2001 and March 2005**.
- Presented a lecture titled "**Child Waste Pickers: The Occupation and Health Risks**". In the Seminar titled "Child and Environment", sponsored by the Jordan Environment Society, Youth and Children Educational Society and Mediterranean Environmentalist and Media Network, Feb. 1998.
- Presented a scientific paper on "**Waste Minimization and Pollution Prevention Audit, a Case-Study on Electroplating Industry, at al-Bireh, Ramallah City**". Scientific Day on "Industrial Wastewater Impacts on Palestinian Environment and Health". Held at the Birzeit University on 6th Dec. 1997.
- Guest lecturer at the Palestinian Polytechnic Institute in Hebron, on 28th Oct 1997. The lecture title: "**Low-Cost Water and Wastewater Treatment**".
- Guest lecturer in a training course on "Solid Waste Management" on 14 Oct. 1997, coordinated by the Directorate of Environmental Health of the Ministry of Health (Palestine). The lecture title: "**Jordanian Experience in Sludge Treatment**".
- Presented a paper titled "Pathogens in Wastewater". At the Workshop "**Pathogens in Wastewater Treatment and Effluent Use**". Water and Environment Research & Study Center, University of Jordan, Amman. April, 1997.
- Guest lecturer at University of Jordan and presenting a lecture in "**Domestic Wastewater Sludge Treatment**", University of Jordan - Faculty of Science - Graduate Studies, March 1997.
- Presented a lecture titled "**Natural and Simple Technology for Water Treatment**", held at Al-Mafrak City, sponsored by Jordanian Woman Groups and Jordan Environment Society, Oct. 1996.
- Presented a lecture titled "**Treatment of Drinking Water Using Solar Radiation**" in Environmental Action Day at Al-Dajanieh Village near Mafrak City, sponsored by Awareness Project in Water, National Environmental Information and Education Program (USAID) and Jordan Environment Society, Sep. 1996.
- Presented a lecture titled "**Treatment of Drinking Water by Simple Methods**". In the Seminar "Role of Family in Development Awareness in Economic Consumption of Water", sponsored by USAID and Jordan Environment Society, Sep. 1996.

- Presented a lecture titled “**Creativity and Environment**” in Environment Action Day “Environmental Problems and Solutions at Al-Ramtha City”, sponsored by National Environmental Information and Education Program (USAID) and Jordan Environment Society, Al-Ramtha City - Aug. 1996.
- Presented a lecture titled “**Solar Water Disinfection**”. In the Environment Action Day “Role of Woman in Economic Consumption of Water”. Held at Iraq Al-Amir Village, and sponsored by USAID, Water and Irrigation Ministry, and Jordan Environment Society, June 1996.
- Presented a lecture titled “**Using Low-Cost Technology for Water and Wastewater Purification**” in the Seminar “School and Environment”, sponsored by Jordan Environment Society, May 1996.
- Guest lecturer at University of Jordan and presenting a lecture in “**Enumeration and Survival Studies on Helminth Eggs in Relation to Treatment of Anaerobic and Aerobic Sludges in Jordan**”, University of Jordan - Faculty of Science - Graduate Studies, Dec. 1995.

(F) Training Courses

- (a) Participate in Training Course “Approved Assessor” King Abdullah II Center for Excellence. Jan 2011.
- (b) Participate in Training course “Active Learning” with Business Development Center (BDC), Funded by USAID, 2010.
- (c) Participate in "The Jordanian Business Women Mentorship Program" is a unique program that trains women entrepreneurs and business owners in business skills. It is held by Thunderbird, School of Global Management, a top-ranked business school located in Glendale, Arizona, USA in partnership with the Business Development Center in Amman, Jordan. Thirty women from Jordan had been selected for full scholarships to the program, which will be held at the Thunderbird campus in Phoenix, Arizona, from October 16 to November 1, 2009.
- (d) Training Course on "Energy Efficiency" organized by United Nations Industrial Development UNIDO in coordination with Capacity Building International, Germany (INVENT) and Egypt National Cleaner Production Center, from 31 March 2008- 4 April 2008, in Egypt.
- (e) Attending Workshop on “Technologies for Environmental Clean-Up and DST for their Assessment and Selection”. Marrakech, Morocco from 21st-23rd May 2007. The meeting is organized by ICS UNIDO (International Centre for Science and High Technology) in cooperation with CMPP (Morocco National Cleaner Production Centre) and UNIDO (United Nations Industrial Development Organization).
- (f) ISO Regional Training Course on "Enhanced Participation in International Standardization for Social Responsibility", Organised by ISO and Jordan Institution for Standards and Metrology, Oct. 2007 Amman – Jordan.
- (g) Training Course on "DEVINFO". Conducted by UNICEF and Statistic Department, Jordan. 17-19, 2005.
- (h) Training Course on "Sustainable Industrial Development: Process Simulation, Analysis, Optimisation and Control. Cairo, Egypt. 11-15 April 2005, organized by UNIDO.

<http://www.ics.trieste.it/Documents/Downloads/df2866.pdf>

- (i) Attending Training Workshop “Trade and Environment and International Competitiveness”. Training on Larson Model. Conducted by ESCWA and METAP, Beirut. 23-25 Oct. 2002.
- (j) Attending Training Workshop “ Learning Technology: Examination Grading and Measures”. JUST University. 4-6/Feb. 2001.
- (k) Attending Training Workshop “ Learning Technology: Class Communication and Interactions”. JUST University 19-21/June 2001.
- (l) Attending a Training Course on “Modular training concept for establishing harmonized conformity assessment system (Modules 6,8, and 18) – BAM-MECAS/AMOS-Programme. From 18-22 April 1999, Organized by the GTZ Jordanian –German MASTQ Project and The Jordan Institution for Standards and Metrology.
- (m) Attending a Training Course on “ISO 25 and Quality Assurance”. From 10-14 Nov. 1998. Organized by the Royal Scientific Society.

COMPUTING SKILLS

Experience of working with Microsoft Word, Spreadsheets, Cricket Graph, Harvard Graph, F/X Harvard Draw, Surfer. Working experience with IBM or Macintosh systems.

LANGUAGES

Arabic language is the mother tongue, fluent in English, working knowledge of French language, and attended 3 months course (during 1992) for basic conversational of Germany language.

PROFESSIONAL AFFILIATION AND BOARD MEMBER at NGO

- (1) Jordan Environment Society (Member).
- (2) Children and Youth Cultural Society (Founder, and Vice president).
- (3) Jordanian Society for the Desertification Control and Badia Development (Member).
- (4) Royal Society for the Conservation of Nature (Member).
- (5) Water Supply and Sanitation Collaborative Council (Geneva). (Member)
- (6) National Society for Education and Environmental Media. (Founder).
- (7) Water and Gender International Alliance (Founder).
- (8) Jordanian Sustainable Society (Board Member, Trustee).
- (9) Friends of Earth Society (Board Member).
- (10) Social Service Center at Jordan University of Science and Technology (Board Member).
- (11) Society of Friends of Scientific Research in Jordan (Member).
- (12) Al-Urdn Al Jadid Research Center. Member in the consultant committee for the Magazine "Civil Society Issues".
- (13) Darat Shama Society for Elderly Care (Board Member).
- (14) Association of Jordanian Women Academics: Founder, board member (2014).

(15) Women Professional Union/Economic and Social Council/Cairo (2015).
Founder, Head of Environmental Sector at the Arab Countries level.

Very active member, working with NGO's in the environment public awareness programs regarding conservation and protection as training, lecturing, and writing sustainable development proposals in Environment and Health for villages (especially in rural areas).

INTERESTS AND ACTIVITIES

School Level: Prize winner in swimming competition.

Leisure Interests: Swimming, Reading, and Traveling.

I have a full clear Driving License.

COUNTRIES VISITED

Syria, Lebanon, Egypt, Iraq, Saudi Arabia, Palestine, Kuwait, Bahrain, Abu Dabi, Dubai, UAE, Tunisia, Malaysia, Oman, Bulgaria, Romania, Greece (Athens, Crete, and Rhodes), Turkey, Tunis, UK, France, Belgium, Sweden, Switzerland, Brazil, Sri Lanka, Singapore, Cape Town, Morocco, Croatia, Italy and Holland.

REFEREES

Professor Nathir Abu Obaid, German Jordanian University President.

Tel: 00962 6 429 4444, Mobile no. 00962 6 797773537 Madaba, Jordan.

Professor Manar Fayad, German Jordanian University, Vice President.

Mobile: 00962 6 796001115.

H.E. Dr. Hazem AlNasser

Minister of Water and Irrigation of Jordan

Mobile number: 00962 6 795519302

Senator Haifa Abu Ghazala

Mobile number : 00962 795578678

Professor Wajeih Oweis

Minister and Senator for Higher Education and Research

Mobile: 00962 6 799999946

H. E. Professor Ruwaida Maaitah

Minister of Higher Education and Research,

Member in the Upper House Parliament, **Senator: mobile 00962 777 997700.**

Mr. Hatem Halawani

Minister of Trade and Industry, Amman-Jordan.

Mobile 00962 797212121

H.E. Eng. Munir Qweis

Miyahona Director/CEO

Mobile no. 00962 0798882666

PROFESSIONAL STATEMENT:

Dr. Muna Yacoub Hindiyeh

Now I am working as Associated Professor at the Environmental and Water Engineering Department, German Jordanian University (2008 till now), as well Head of Department during 2008-2010. Had PhD in Environmental Engineering–NewCastle, England 1995- With a wide experience in Water and Environmental Health for over 25 years. Working at the Royal Scientific Society for 13 years, since 1986. Received the Arab Award for the Sheikh Abdallah Al-Mubark Al-Subah for Scientific Research at the second level on the Arab World Level. Appointed as the Head of Environmental Science Department and assistant professor at the Jordan University for Science and Technology/ Irbid, (2000-2008).

Teaching, develop and carrying research projects, professional work experience in monitoring and evaluation water quality, sanitation, domestic and industrial wastewater and sludge reuse projects. Expert in the field of environmental microbiology and parasitology. Supervise Doctoral and Master Degree students research. Organized and participate in a number of international and regional conferences. Seminars, training workshops, scientific papers, promoting environmental public awareness through training. Organizing and conducting awareness campaign, training courses and workshops on environmental education, health, sanitary microbiology and parasitology.

Published Scientific Research on disinfection of drinking water by **solar radiation**, using natural materials (sand, mirrors, etc.) as well by using concentrating Solar Power Technology. Also working on “**Culturing Algae for biodiesel production.**” As well developed Master Program on “Environmental and Renewable Energy Engineering and Climate Change” with **Total Grant EU: 1,006583.05**. Implemented in Six universities (Jordan and Syria).

Project funded by Erasmus+, capacity building in the field of higher education. **Project title:** Development of Environmental Engineering and injection of climate change concept for Undergraduate curriculum: EU experience for Jordan and Syria. (EGREEN), **Grant Holder:** University of Jordan; **Budget:** 1 million Euros; **Duration:** 3 Years; **Start Date:** 15 October 2016 - 14 October 2019; **GJU Budget:** 67’000 Euros; **Principal Investigator/GJU:** Dr. -Eng. Louy Qoaider; **Co-Investigator/GJU:** Dr. Muna Hindiyeh

Working in different environments (academic, private, applied national sector, NGO's and donors) has also given me a thorough understanding of different workplace practices and I aim to utilize this knowledge in every job. Thanks to this experience I was learned to handle huge responsibilities for providing safe water for more than 7 million people in Jordan with collaboration with all related sectors. As I work the Secretary General Assistant for Water Quality and Laboratory Affairs for Jordanian Water Authority (2011-2014), I had responsible for maintaining a high and professional corporate profile with National and International stakeholders for Water Authority. Ensuring all activities are consistently performed under the principles of equity, fairness, inclusiveness, and respect for the diversity of people.

In addition, had been a board member of the Standardization and Metrology Institution, Jordanian Sustainable Development Society, Friends of Earth Society, and the Cultural Youth and Children Society, and Darat Shama for Elderly people. Also founder of the International Alliance for Women and Water, Jordan and the National Environmental Media Society. As well the national committees' member for setting standards and regulations for water and wastewater.

Participated in many national committees such as the Lower House of Parliament, National Water Quality Committee; National Health Strategy, and Environmental National Information, in addition to the Water Consumption Reduction Concept Committee for national school curriculums. Along with consultation serves with national and international organization such as the WHO, UNDP, and the USAID. Strategic and Planning Director; and Socio-economic and Environmental Unit Director at National Council for Family Affairs-(2005-2008), Responsibilities: Management, Coordinates, Supervise, develop and review policies, legislation and strategies pertaining to the family. Guides scientific research and programs towards national priorities to achieve harmonised policies and strategies that are geared towards improving the quality of life of Jordanian families, such as the national legislation review and analysis project, crosscutting family issues with the National Jordanian Strategies, the National Jordanian Family Strategy as well Elderly Strategy, social policies, and research studies along with membership in many committees such as the elderly centers standards, and member in the Arab Family committee at the Arab Countries League.

I had wide experience in social and environmental responsibility, appointed as Head of the National Mirror Committee regarding Social Responsibility Guideline (ISO 26 000). Conducting training courses; organising conferences, and being a key note speaker on Social and Environmental Responsibility in many conferences in the region, also I had issuing report regarding: Country Situation Analysis on "Corporate Environmental Responsibility in Jordan" supported by UNDP.

With all my past experience, shown me directly the importance of teamwork of all stakeholders in encouraging efficient and effective work, but also in enhancing the quality of work. I personally believe that strong teamwork skills with all stakeholders I have gained there, will help me to be a valuable addition.

My philosophy as a leader was based on the following: *Leading and Direction, Follow-up, Delegation, Organization; Innovations, Initiatives, influencing, do the*

right things, and Achievement oriented: I was successful to implement new ideas that would develop the performance of the work. I spent those years learning how to be a leader by respecting ideas, listening to the others, solving problems and conflicts then have my professional decision. By these concepts I implemented my skills to gear my work goals to success, which I see my own leadership philosophy. I have also experience in working with the most prominent Political leaders, and have often being praised and rewarded.

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