

***C.V of Rawia Kamal Abdullah***  
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***Personal Information:***

*Name:* Rawia Kamal Abdullah  
*Nationality:* Jordanian  
*Place of birth:* Amman  
*Date of birth:* March 14<sup>th</sup> 1976  
*Marital status:* Married

***Education***

- ◆ B.Sc. Chemical Engineering, Jordan University of Science and Technology.

***Employment History***

- ◆ July 2002 to present: Royal Scientific Society (RSS), Senior Environmental Specialist at Water and Energy Center.

***Major Field of Experience***

***Environment Impact Assessment study***

- ◆ Participated in conducting a comprehensive environmental impact assessment (EIA) for the following:
  - ▶ Environmental and Social Impact Assessment (ESIA) for Modern Cement and Mining Company / Coal and Petcoke Power Plant /, Amman – Jordan, 2016.
  - ▶ Environmental and Social Impact Assessment (ESIA) for Marad Municipal Waste Transfer Station, Jarash – Jordan, 2016.
  - ▶ Preliminary Environmental Impact Assessment for KEMAPCO Desalination Project, Aqaba – Jordan, 2015.
  - ▶ Environmental and Social Impact Assessment (ESIA) for Compartmentalization Concept Applied to the Project of

Livestock Assembling Center (LAC) in Mohamadiya / Construction and Agricultural Waste, Ma'an - Jordan, 2015.

- ▶ Al-Lajjun Oil Shale Power Plant Project", June, 2013.
  - ▶ Use of Coal, Petcoke and Alternative Fuels at Modern Cement and Mining Company, 2012.
  - ▶ IPP4 Al Manakher Power Project, 2011.
  
  - ▶ Zarqa Governorate Water Supply Restructuring and Rehabilitation Project, 2010-2011.
  - ▶ Domestic Solid Waste Landfill / Ma'an, 2010.
  - ▶ Andulucia Wastewater Treatment Plant, 2010.
  - ▶ Using coal instead of heavy fuel oil in Jordan Cement Company Project, 2009
  - ▶ Jordan India Fertilizer Company (JIFCO) Project, the project was funded by IFC, 2008
  - ▶ Conducting socio economic study for Gas Transmission, 2007
  - ▶ Al Saqer Cement Project, 2007
  - ▶ Modern Cement & Mining Co. Project, 2007
  - ▶ Samra Power Station Project, 2004.
  - ▶ Silica Sand Project/ Aqaba, 2002.
- ◆ Participated in Conducting Socio-economic Cost Benefit Analysis and Pre-design Evaluation of the Proposed Red Sea/Dead Sea Conduit the study, was funded by USAID – MERC program, 2004.

### **Sustainable Production and Consumption**

- ◆ Member of the Cleaner Production unit at Royal Scientific Society.
- ◆ Participated in conducting the concept and techniques of cleaner production to small and medium scale enterprises; improving the eco-efficiency by applying measures for better resources management and taking into account the environmental cost of the impacts. The project is funded by the Swiss Secretariat for Economic Affairs (SECO). The project entails training on CP concept, tools & methodologies, and practical implementation of CP techniques at the SMEs. Examples of such CP studies include:
  - Quick scan assessments at 14 hotels (2, 3, 4 and 5-star).
  - Quick scan assessments at 4 dairies plants.
  - In-Plant Assessment at Modern Aluminium Industries Co. Ltd. (MODAL), CP report, 2005.
  - In-Plant Assessment at Arabian Steel Pipes Manufacturing Co. Ltd., CP report, 2005.
  - In-Plant Assessment at Union Locks Co., CP report, 2005.

- ◆ Participate in conducting Responsible Production (RP) approach at Arab Fertilizers & Chemicals Industries Ltd. (KEMAPCO) Company.  
RP is a simple, systematic, continuous improvement approach to chemical hazard management, drawing on experience from different sources to provide guidance specifically for small and medium sized enterprises (SMEs).
- ◆ Participate in conducting “SwitchMed MED TEST II project – Transfer of Environmentally Sound Technologies in the South Mediterranean Region.  
Transfer of Environmentally Sound Technology (TEST) is an integrated approach and a global program which is a combination of resources efficiency and cleaner production (RECP), environmental management system (EMS) and material flow cost accounting tools to achieve sustainable production.
- ◆ Participate in Applying Eco-Innovative Strategies for Chemical Risk Reduction in Jordanian Industry Project  
The project aims at promoting non-chemical alternatives in the Jordanian industry (in particular SMEs) through UNEP’s Eco-Innovation Approach developed by UN Environment DTIE with the support of the European Commission.

#### **Life Cycle Assessment Studies**

- ◆ Conducted three life cycle assessment study for cement industries in Jordan. These studies included Life Cycle Assessment (LCA) studies for the use of coal, petcoke, oil shale, natural gas and alternatives fuel instead of heavy fuel oil.
- ◆ Conducted life cycle assessment for using coal instead of heavy fuel oil at power plant.

#### **Environmental Auditing (EA)**

- ◆ Participated in conducting environmental Auditing (EA) for the following company:
  - ▶ Universal Iron & Steel Industry Company.2011.
  - ▶ The Jordan Press and Publishing Company (Ad-Dustour Arabic Daily), 2011.
  - ▶ Jordan Cement Company (JCC) – Fuhais, 2010.
  - ▶ Al Baha for Chlorine and Soda, 2010.
  - ▶ Nabeel Factory for Food Products, 2008

## **Hazardous Substances and Solid Waste Management**

- ▶ Participated in a project for establishing Hazardous Substances Information Management and Control System in Jordan, funded by the Swiss Development & Cooperation Agency (SDC).
- ▶ Participating in a project for establishing Hazardous Substances Information Management and Control System in Abu- Dhabi.
- ▶ Member in Hazardous Waste and Chemicals Committee (Jordan Ministry of Environment).

## **Papers**

- ▶ Mosa M., Haddad J., Abdullah R., Al Hussein N., Al-Atiyat N., Buser C., Mutz D. and Zein K., (2011), Environmental and Economic Improvements through Implementation of Cleaner Production in the Hospitality Sector in Jordan, 6th IWA Specialist Conference on Efficient Use & Management of Water (Efficient 2011), Dead Sea – Jordan.
- ▶ Rawia Abdalla, N. Al-Husseini , N. Al-Atiyat ,B. Hayek , M. Mosa , F. Dinkel, G. Meylan, Life Cycle Assessment an Efficient Strategic Eco management Instrument for the Cement Industry, Lebanon.

## **Training courses**

- ◆ ISO 14001:2015- Environmental Management System Auditor/Lead Auditor Training Course,14-18 May 2017.
- ◆ Using the Participatory Raid Appraisal (PRA) in water and wastewater surveys, 10 January 2016.
- ◆ Transfer of Environmentally Sound Technology in the South Mediterranean Region, Austria, 13-15 April 2015.
- ◆ Co-processing waste materials in cement production, Switzerland, 11th May-14th May 2009.
- ◆ Life Cycle Assessment, Amman, 27th January- 4th February, 2008.
- ◆ Effective Project Management Training, Amman, 12-21 August 2007.
- ◆ Risk Analysis and Assessment, Amman, 15-17 July 2007.
- ◆ Training of Trainers, Amman, 8-10 January 2007.
- ◆ Cleaner Production Recognition Scheme, 3-6 December 2006.
- ◆ The LRQA Performance, Measure and Improvement, Amman, 5-6 June 2006.
- ◆ Good Operation Practice, Hygienic Concept and Best Production Techniques for Dairies, Amman, 27-29 November 2006.

- ◆ Geographic Information System, Amman, 19-23 February 2006
- ◆ Cleaner Production training on food and Beverage Production, Switzerland, 29 August-9 Sep 2005.
- ◆ Workshop of Integration of Cleaner Production into ISO14001, 27-29 December, Amman Chamber of Industry, Amman, 2004.
- ◆ National Course on Anaerobic Treatment, Post Treatment and Agricultural use of Treated Effluent, Amman, 18-22 April 2003.

**Languages:**

- ◆ Native language: Arabic.
- ◆ English: very good command in English

**Skills:**

- ◆ Good Knowledge in Microsoft-word, Excel.