



## Luna M. T. Al-Hadidi

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Education	Department of land, water and environment. Faculty of graduate studies. University of Jordan. Ph.D. Treatment and reuse of wastewater using surface and sub-surface wetlands.
Professional experience	<p>Dec., 1998-present: Researcher at the National Center for Agricultural Research and Extension. Directorate of Water, Soil and Environment Researches. Treatment &amp; Reuse of wastewater. Scope of work is dealing with different projects:</p> <ol style="list-style-type: none"><li>1. Preparing the <b>2<sup>nd</sup> Phase of Tri-lateral Cooperation Project for Introduction of Advanced Agricultural Technologies in DryLand Areas-Irrigation Water saving</b></li><li>2. Reuse of marginal water (saline, treated wastewater and graywater) in agriculture. Different experiments were and are carried out using many crops in different agricultural stations using membrane (UF+RO) biotechnology in wastewater treatment for sustainable agriculture. A project was carried out in Abu-Nsair dealing with using treated wastewater in agriculture. Another project funded by MERC-USAID was carried out in two areas of Ramtha and Mubes using treated wastewater in agriculture using membrane biotechnology. Also, a project using treated wastewater in agriculture funded by the Arab Fund was carried out in Khirbet As-Samra and Ramtha treated wastewater plant. Another project was carried out in Tafila to use the gray water in agriculture. This is in accordance with the Inter-Islamic Network on Water resources Development &amp; Management.</li><li>3. Irrigation management information system project (IMIS). Four agricultural meteorological stations were constructed in four agricultural stations in the Jordan Valley and Maru (North). These meteorological stations were connected through telephone modem to transform the meteorological data to be stored. This project aims to inform farmers with the different meteorological</li></ol>

concepts related to their crop (evapotranspiration, temperature, frost, when and how much to irrigate, etc...). An online data bank of all weather parameters is available for all researchers. Computation of irrigation water requirement for the major crops in the Jordan Valley is finished now and NCARE is having a solid cooperation with the Jordan Valley Authority. Another project now is carried out by NCARE and funded by USDA regarding irrigation management information system in Mafrag area using GSM modem and NCARTT is carrying now on line IMIS project.

4. Team leader for soil and irrigation team for the project "Reuse of treated wastewater on the production of rapeseed as biodiesel".
5. Team leader for soil and irrigation team with cooperation Jordan society of organic farming in implementing the activities of "Integerated reuse of wastewater for areas suffering from poverty in eastern Zarqa area.
6. The Danish project "Middle East Regional Agriculture Program/ dry land agriculture. A woman in agriculture participating was considered here. The project aims to share information about dry land agriculture aspects (water harvesting, soil conservation, land management, and using GIS).
7. Mashreq – Maghreb Project (MMP) Phase 11/ Agro-ecological characterization component. ICARDA.
8. Biodiversity project/ land-use and GIS part. University of Jordan
9. Statistical data analysis for the different studies carried out at the "water management and environment program" using the SPSS, GENSTAT and MSTAT.
10. Writing eight scientific papers from studies carried out in the Program (Water management and environment program), NCARE. In addition to preparing the progress and final reports related to the different projects.

April, 1997- 1998. University of Jordan/ Faculty of Agriculture. Department of agricultural resources and environment. Amman, Jordan. Lab supervisor, a researcher dealing with many projects (fieldwork, computer work, and lab analysis), computer work handling the data and the results. Teaching assistant for the practical lab of soil fertility & fertilizer course. Lab work dealing with different chemical and physical analysis of the soil.

1994-March, 1997. University of Jordan. Water and Environment Research and study Center. Amman, Jordan. Research assistant. Work was dealing with different projects, and mainly the financial work of many projects like ISPAN, Water Harvesting, Al-Azraq Oasis Conservation project and Linkage program with Washington State University. Also, the responsibility for the computer issues of the Center projects and worked using the Automatic weather station.