

**Fadhel Rida**

The International Center for Agricultural Research in the Dry Areas (ICARDA),  
Bashir El-Kassar St., Dalia Building, Verdun, Beirut, Lebanon.

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**Personal:**

Name: Fadhel Rida  
Date of birth: 01-07-56  
Nationality: Iraqi  
Marital status: Married, one son and two daughters.  
Current Position: **Senior MIS Applications Specialist**

**EXECUTIVE SUMMARY**

Economist with Ph.D. and long research and computing career with leading international organizations and international research centres (The International Center of Agricultural Research in the Dry Areas (ICARDA), and America Middle East Educational and Training Services Inc. (AMIDEAST)). Specific research and computing expertise: groundwater economic modelling research, system dynamics modelling, agricultural policy research, biometrics computing, statistical, econometrics analysis, and scientific computing. Long experience in database applications development as well as implementation and support of Enterprise Resource Planning (ERP) systems.

My experience and scientific carrier has been based on rigorous academic education in four reputable universities in Iraq, UK and Turkey. I also followed advanced courses on programming, system design and analysis training courses.

I received grant from the German ministry of international cooperation through Kiel University to pursue Ph.D. research programme on groundwater economics modelling. The thesis was the first thesis pursued on computer models and scenarios for groundwater use sustainability.

Currently, I hold [internationally recruited staff position](#) at ICARDA as a senior MIS Applications Specialist responsible for the functional and technical support of the Centre ERP Systems -[UNIT4 ABW](#) and [Oracle Applications EBusiness Suite](#) since 2002.

Furthermore, I have more than 10 years of experience in modelling, scientific, and biometric computing with a strong research component on computer simulation modelling on groundwater economics.

I served as computer technical support and accounting officer at AMIDEAST, America Middle East Education and Training Service Inc., an American leading non-profit organization.

I delivered considerable number of training courses on Oracle RDBMS and development tools. I also conducted scientific training courses on biometrics and statistical computing for scientists and researchers from different regions of the world. I also developed several applications and databases.

**Specialization:****1- Management Information System Expert**

- More than 25 years of continuous work experience in MIS applications design, development, implementation and support.
- Functional and technical expertise in UNIT4 Business World ERP technologies and implementation and Oracle Applications eBusiness Suite technologies and implementation.
- Oracle Certified Professional as a senior database administrator, application designer and developer with proven experience in training.
- Web application development.

**2- Research and Modelling**

- Resource economist and scientific analyst/programmer with more than 10 years of biometrics computing and groundwater economic modelling and policy research. Reviewer of articles for high impact scientific journals.

**Work Experience:**

2002- to date	Senior MIS Applications Specialist The International Center for Agricultural Research in the Dry Areas ( <a href="#">ICARDA</a> ) Bashir El-Kasar Street, Dalia Building, Verdun, Beirut, Lebanon. Telephone: +961 1 813303.
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**ICARDA Profile:**

ICARDA is the global agricultural research centre working with countries in the world's dry areas. The Center has 15 outreach offices over the continents. The financial guideline is IFS and GAAP standards with a strong internal and external audit component.

**Responsibilities:**

- Enterprise Resource Planning implementation and technical and functional support.
- OCS (One Common System-Unit4 Business World System) implementations lead and build expert including data migration technical responsibility and execution.
- Principle and technical and functional lead for ABW core Financial Modules and project management and HR modules.
- Principle lead of business process implementation
- Technical and functional support for Unit 4 (Agresso) Business World ERP system.
- Technical and functional support for Oracle Application EBusiness Suite R12.1.1 modules (General Ledger/ Account Payables, Fixed Assets, Purchasing, Inventory, Budgetary Control, Workflow, Subledger Accounting and custom Payroll).
- Oracle Applications upgrade.
- Oracle Workflow Administration. Oracle Budgetary Control setup, maintenance and support.
- Project Management System development, implementation and support.
- Oracle Database 11g administration including patching, maintenance and cloning. System Administration and user access control.
- Lead, design and develop web applications and report and forms.
- ICARDA outreach offices connection, support and user training.
- External Audit support.
- Technical support team leader.
- SharePoint Administration and Design and Development.

**Major Achievements:**

1. Successfully led the implementation of ABW system core financial modules.
2. Played a critical role in the successful implementation of the ERP ABW system. The role was recognised by the ABW Company as well as the ICARDA Management. The outcome of the contribution was represented by cost reduction of external consultation.
3. Shouldered successful the transition period form Oracle System to ABW system.
4. Led and successfully executed Oracle Applications EBuisness Suite upgrade project from 11.5.9 to the latest release R12.1.1. I am very proud of this project for the following:
  - ⇒ The output of the project has been very stable system based on the latest technology and allowed ICARDA to smoothly transfer the system to the Cloud.
  - ⇒ The go-live was achieved as planned with a record minimum downtime. The cost of the project was very low by any standard.
  - ⇒ It was an early adoption of the applications new release R12.1.1.
  - ⇒ We migrated more than 150 reports and more than 40 forms.
  - ⇒ We adopted and followed Oracle upgrade standards from the initiation to the closer of the project.
  - ⇒ I committed 16 hours a day and not less than 15 days of 24X7. (2010).
5. Transferred Oracle Applications and Database to the Cloud with SSL enabled access. The output of the project was that despite the closure of the ICARDA HQ and the relocation of the

staff to several regions, the financial and administrative operations continued as normal. This has very positive implications on the overall operations of ICARDA after the relocations of the staff. (2012)

6. Maintained 99.9% availability of Oracle Applications and the database (for the last 4 years).
7. Designed and developed technical layer to make available Oracle Financial Statement Generator reports on ICARDA Intranet as web documents with AD authentication. The approach, design and solution adopted were recognized as pioneer work. (2003).
8. Participated in Oracle Applications EBS 11.5.9 implementation. I was a team lead and my involvement covered the whole project life cycle from the initiation to go-live and the post go-live support (2005). In this project, we adopted new chart of accounts on for ICARDA and for ICARDA International School. We adopted Oracle Applications Implementation Methodology (AIM) throughout all phases of the project. (2005)
6. con
7. Developed Custom Budgetary Control module, which integrates ICARDA eServices with Oracle Budgetary Control engine. (2012)
8. I assumed the responsibility of all the support staff during the interruption or absence of communication with Syria. The support covered database and system administration responsibility as well as the responsibility of supporting all the modules. The level of support was not affected. (February 2012 to-date)
9. I successfully led several web applications based on .Net Framework, which were linked to Oracle applications. (2012-2013)
10. I trained ICARDA Oracle Applications modules users during the period (2002-2013).

#### Specific Technical and Functional ERP Implementation Expertise:

- Develop requirements definition, business analysis, design, systems integration, and implementation.
- Conduct gap analysis, process mapping, solution design, configuration, setups, user training. Use of AIM methodology to developed functional and technical specifications.
- Expertise in testing plans and test scripts.
- SLA definitions and setup.
- Advanced expertise in procure to pay and financial modules in terms of the system process, the data model and system accounting processes.
- Advanced knowledge in the HR modules processes and setup the data model.
- Expertise in Data conversion and migration.
- Report and Forms development and customization.
- Advanced experience in Application Object Library (AOL) Framework for forms based applications and Oracle API utilization.
- Advanced experience in SQL/PLSQ, packages, procedures, functions and triggers, views and materialized views.
- Advance knowledge of Oracle R12.1.1 architecture, cloning and maintenance. Upgrade project planning and execution.
- Acted as a team player and with long experience in establishing smooth interaction with user community.

The following are Oracle EBS Modules, and ABW Modules and the version and level of expertise:

Module/Product (Technical and Functional)	Version	Experience
General Ledger (GL)	11i & 12.1.1	Advanced
Accounts Payable (AP)	11i & 12.1.1	Advanced

Module/Product (Technical and Functional)	Version	Experience
Accounts Receivable (AR)	11i & 12.1.1	Intermediate
Fixed Assets (FA)	11i & 12.1.1	Advanced
Cash Management (CE)	11i & 12.1.1	Intermediate
Purchasing (PO)	11i & 12.1.1	Advanced
Inventory	11i & 12.1.1	Advanced
Public Sector Budgeting (PSB)	11i & 12.1.1	Advanced
Shared Service, Multi Org & Multi Reporting Currency (MRC)	11i & 12.1.1	Advanced
Human Resources (HR)	11i & 12.1.1	Advanced
Financial Statement Generator (FSG)	11i & 12.1.	Advanced
Oracle Reports/ Discoverer	11i & R12	Advanced
System Administration (AOL)	11i & R12	Advanced
Oracle Workflow	2.6	Basic
Subledger Accounting Module (SLA)	12.1.1	Advanced
UNIT4 Business World (U4BW) Setting	5.7.1	Advanced
U4BW Common	5.7.1	Advanced
U4BW Workflow	5.7.1	Advanced
U4BW Financials	5.7.1	Advanced
U4BW Planner	5.7.1	Advanced
U4BW Commitment	5.7.1	Advanced
ABW logistics	5.7.1	Advanced
U4BW Project	5.7.1	Advanced
U4BW HR	5.7.1	Advanced
U4BW Data Model	5.7.1	Advanced
U4BW Accelerator	5.7.1	Intermediate
U4BW Reporting tools	5.7.1	Intermediate
SharePoint Admin and Development	2013	Advanced

1992- 2002	Scientific Analyst Programmer. The International Center for Agricultural Research in the Dry Areas ( <a href="#">ICARDA</a> )
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#### Responsibilities:

- Provided extensive biometrics support to the research projects at ICARDA. The support covered statistical software and programming, experimental data management and analysis.
- Trained and assisted PhD and Master Degree students from ICARDA mandate countries on data management, statistical data analysis and interpretation.
- Developed specialized scientific programs for different areas of research computing. I used high-level languages and statistical software programming environment.
- Conducted and co-conduct courses on statistical software (SAS, SPSS, GENSTAT, AGROBASE) which were offered by IT department at ICARDA's headquarters in Aleppo and in ICARDA mandate regions (Middle East, North Africa and Central Asia and Cucas ).
- Developed ICARDA Project Management System and Central Data Registry as well as management requested databases.
- Developed ICARDA Intranet.
- Developed specific programs for different scientific computing requirements using high-level languages requested by Natural Resources Management Program (NRMP).
- Developed simulation models for sustainable groundwater use in agriculture in Syria in collaboration with NRMP (Natural Resource Management Program at ICARDA, Kiel University-

Germany and Cukurova University-Turkey.

### Major Achievements:

1. Trained and assisted more than 50 Ph.D. and MSc. students on data management, analysis and interpretation.
2. Trained and provided biometrics support to ICARDA scientists and National Agricultural Research Systems (NARS) scientists in ICARDA's mandate regions and countries.
3. I developed specialized programs for statistical data analysis for designed experiments, on farm trials and econometric analysis.
4. The biometrics team services at ICARDA have had impact on ICARDA mandate research at the regions level in terms of the ability of researcher to apply the appropriate methodologies for their experimental design and analysis and the use of statistical software.
5. I received grant from German ministry of International Cooperation (BMZ) to pursue my Ph.D. research program. My Ph.D. research was the first thesis pursued on the economics modelling of groundwater use in the region. The thesis has been adopted as the base study for MSc. and Ph.D. research in the area of water economics and specifically groundwater simulation and modelling.
6. [We won the runner up of the best scientific paper published by ICARDA scientists in 2005.](#)
7. Adopted and co-developed with Kiel University-Germany System Dynamics Computer Model for sustainable groundwater use.

1988 - 1992	Computer technical support and accounting officer America-Middle East Educational and Training Services Inc. ( <a href="#">AMIDEAST</a> ) Damascus-Office.
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### Profile:

AMIDEAST, Founded in 1951, is a leading American non-profit organization engaged in international education, training and development activities in the Middle East and North Africa.

### Responsibilities

- Setup and established computer systems for the office (Hardware and Software).
- Trained the branch office staff on spread sheet, word processing and specialized software during a time where computing support was hardly existed in Syria.
- Established fully computerized office in terms of documentation, databases, testing, finance and translation.
- Designed and placed in operation all the electronic forms used for the financial operations and transactions of the branch office.
- Setup all the examination tests scanning device and software used for testing and application for university entry examination (TOEFL, SAT, GRU, TOEIC).
- Developed ITP (Institutional TOEFL Program) database to manage participant information, financial aspects and results reporting.
- I was responsible for the accounting and financial operations of the office in terms of daily transactions, ledger accounting, payroll and budgeting.
- Liaise with US HQ on the financial reporting and budgeting.

### Major Achievements

- 1- I was instrumental in placing new financial system that was aligned with the HQ system in Washington DC.
- 2- AMIDEAST Damascus branch office was the last branch office out of the 15 branch offices to acquire computer facilities, but it became the first office that was able to integrate the financial and administrative processes with HQ operations and financial system. The office required minimum outsourcing support during my service.

**Academic Qualification:****1- Universities**

Ph.D., Economics (Resource Economics)	<a href="#">Cukurova University/ Adana-Turkey.</a>	1998-2003
MA, International Studies (International Economics)	<a href="#">University of Salford/ Manchester-England</a>	1985-1987
Postgraduate Diploma, (Energy Economics)	<a href="#">University of Surrey /Guilford-England</a>	1983-1985
BA, (Economics& Administration)	<a href="#">Al-Mustansiriya University, Baghdad-Iraq</a>	1974-1978

**2- Professional Computing Training Courses Attended:**

Date	Subjects	Institute and Location
2015	UNIT4 ERP pre/post implementation workshop	UNIT4 Senior Consultant, Beirut
2014	UNT4 System localization workshop	UNIT4 Senior Consultant, Beirut
2014	UNIT4 ERP Core Technologies and Implementation	UNIT4 Senior consultant, Beirut
2012	SharePoint administration	MS External consultant, Beirut
2010	.Dot Net Web Application Development and Enterprise MS SQL Server.	New Horizon. Aleppo
2005	11.5.9 latest features in Oracle Applications Object Library Development and Core Code structure.	Bahwan Cyber Tech. Chennai, India.
	Java Language. JEE 2.0 Applications development.	Bahwan Cyber Tech. Chennai, India.
	Windows 2003 System Administration	Bahwan Cyber Tech. Chennai, India.
	Red Hat Enterprise Linux 4	New Horizon, ICARDA Aleppo.
2004	Oracle Applications 11i training on the following modules: General ledger, Account Payables, Fixed Assets, Inventory, Purchasing and Human Resources.	Satyam Oracle, India. ICARDA HQ.
	Oracle Applications Object Library and Workflow	Satyam Oracle, India, ICARDA HQ.
2001	Developer 6i Developer.	International Training and Consulting, Jordan
1999	New Features of Oracle 8 for Application Developers & Oracle Application Object Library.	Oracle Corporation Dubai, ICARDA HQ.
	Oracle CDE Tools (Forms 4.5 /Reports 2.5).	International Training and Consulting, Amman, Jordan. Inc. ICARDA, HQ.
1994	Oracles RDBMS ver. 7 New Feature and Options.	Oracle Systems Inc. Dubai, ICARDA, Aleppo-Syria.
1986	C Language course	University of Salford, Salford, England.
1984	BASIC Language course	University of Surry, Guildford, England.
1982	Computer Programming & System Analysis.	London School of Computer Technology, London.

**3- Advanced Scientific Training Courses Attended:**

Date	Subjects	Institutes and Location
1999	Research Project Management and team building	International Consultant- ICARDA HQ.
1998	Agrobase course on Varietal Database and Experimental Data Analysis.	Agronomix Inc. ICARDA HQ.
1996	Advanced course in Econometrics Modelling of Agricultural Markets.	Advanced Mediterranean Agronomic Studies (CIHEAM, Adana-Turkey)
1993	SAS General Regression and ANOVA Practical Applications.	SAS Institute Inc. Cary, NC, USA, ICARDA HQ.
1993	SAS System Fundamentals course	SAS Institute Inc. Cary, NC, USA, Aleppo-Syria.
1984	SAS Data Analysis	University of Surrey, Guildford, England.

**Technical Skills and Computer Languages:**

ERP Systems:	Oracle Applications EBS 10.7, 11.5.9, R12.1.1., UNIT4 Business World (U4BW 5.7.1)
Databases:	Oracle 6,7,8,8i,9i,10g,11g, MS SQL Server 2005,8, 2012
Oracle Tools:	Forms (3, 4, 4.5, 6, 6i, 9i, 10g) all version of Oracle Developer, Oracle SQL Developer, TOAD. SQL,PL/SQL. Oracle ,OCCI, AOL, Oracle Discoverer, JDeveloper, .Net for Oracle,JSP,XML, RMAN, Cloning, Patch application.
Computer Languages	C#, C/C++, JAVA ,Visual Basic, FORTRAN, COBOL,
Statistical Packages Programming	GENSTAT, SAS, SPSS, SHAZAM, AGROBASE, STATA
Operating Systems	Windows Enterprise Server (Windows NT,2000, 2003, 2008, VMS, DOS, Linux, Unix ).
Simulation and modelling program	High Performance Systems (Stella). GAMS
Scientific Graphics Software	Sigma Plot
GIS software	ArcView
MACRO Programming	VBA
Backup Tools	Symantec Backup Exec, Evault and Bare metal Restore

**Research Activities**

- I completed Ph.D. research program on the economics of groundwater use and modelling.
- Trained scientists, Ph.D. and MSc students on data analysis and management.
- I co-supervised postgraduate students in the area of water economics.
- I maintained strong research link with Socio-Economic and Policy Research Program (SEPRP) at ICARDA. I also contributed to research concept notes.
- I published part of my Ph.D. thesis in cooperation with SEPRP scientists.
- [Co-publish peer-reviewed articles with ICARDA SEPRP on groundwater economics.](#)
- During the Middle East Water and Livelihood Initiative, I was assigned the responsibility to coordinate Iraqi section on research priority setting and research sites selection. I also contributed to the write-up of Iraq component in the project document.
- I assisted Iraqi scientists and researchers who participated in data management and analysis and

offered suggestions on research output presentation.

- I have reviewed articles on the economics of groundwater for impact factor Journals.
- Reviewed research reports on water SEPRP.
- I was a team member of the research project on "[Action research for Sustainable Ground Water use in the Syria](#)" ( 1999-2001) funded by German government through Kiel University.
- Designed and conducted crop budget surveys.
- Designed and conducted groundwater crop allocation surveys and farmer groundwater use perception surveys.
- Designed and conducted groundwater investment surveys.
- Conducted econometrics analysis on water user for different cropping patters including scenario analysis.
- Co-designed drillers' surveys.
- Participated in groundwater abstraction measurement and monitoring in the research sites.
- Co-organized two workshops on complementing research with indigenous knowledge. In these two workshops, we convened water officials, farmers, and researchers in teams to identify water use issues and propose solutions. It was the first workshop which initiated the involvement of officials in the water resource management research.
- The research project adopted system [dynamics modelling approach as part of the action research methodology](#). I co-developed system dynamics modelling software programs. I also demonstrated the software to the workshop participants to view different scenarios of water allocation decisions and their effect of groundwater resource base.
- ICARDA adopted the research finding on groundwater future research, which were to base the research on basin level rather than plot or farm level.
- Participated in all the discussion and meetings related to groundwater research conducted by SEPRP.
- Modelled groundwater demand.
- Modelled groundwater investment.
- Developed System Dynamics Model for groundwater use.

### Software and Databases Developed

Year	Software Type	Role
2014	Technical layer (views and package for Oracle Applications master and transaction data ) for data migration to ABW System.	Design, mapping, programming and testing.
	<a href="#">AFAWA</a> , Animal Feed Analysis for WANA region. Scientific web applications using .Net Frame work and C#.	Project manager, work supervisor, involved in the requirement specification and design.
	<a href="#">ICARDA Website development</a>	Project supervision
	Travel Automation eService module.	Project supervision, requirement specification, database design, testing and implementation.
	Staff Payroll Update Automation Oracle applications custom sub module.	Design, development, and implementation.
	Custom staff leaves Oracle Applications sub-module maintenance.	Programming, testing and implementation.
2012	<a href="#">Transfer Oracle Applications EBS to the Cloud.</a>	Constructing the OS and tools, Restore the database and the



Year	Software Type	Role
		applications and cloning the DB and the apps. SSL configuration.
	Consortium Research Project Cost Allocation sub module linked to Oracle applications.	Requirement specification, design and development.
2011	Oracle Application custom Budgetary Control for ICARDA Services	Design, development and implementation.
2011	Oracle Application custom Budgetary Control for ICARDA Services	Design, development and implementation.
2010	Oracle Applications Staff Personal Statements forms and reports	Design, development and implementation
	Major Upgrade from Oracle EBS 11.5.9 to R12.1.1	Project Manager, technical lead and execution.
	Migrated 150 reports and 30 forms for Oracle Application release 11.5.9 to R12.1.1	Code modification
2009	Oracle Travel module.	Database requirement specification, business rule documentation, co-design, co-develop forms and reports.
2008	Oracle Applications custom reports for (GL/AP/FA/PO and HR)	Development and implementation
2007	Project financial and budgeting custom reports.30 new reports.	Development and implementation
2006	Design of UNCD water database.	Requirement specification and data model design.
2005	Implementation of Oracle EBS 11.5.9	Implementation team lead.
2004	Implementation of Project Management System	Requirement specification, installation, data migration and implementation.
	Automation of data migration and upload of project management system data.	Design, development and implementation.
	Water database in WANA region.	Requirement specifications and data model design
	Iraq Reconstruction web-database in cooperation with UN ASCWA.	Requirement specification, design and development.
	Redesign and development of ICARDA financial reports. (more than 50 reports).	Design, development and implementation.
2003	Integrating ICARDA Intranet project and staff statement reporting with Oracle Applications reports.	Design, Development and implementation.
	Simulation Models for Groundwater Use (NRMP) using Stella software.	Design and programing
1993-2002	Developed specialized scientific programs using GENSTAT and SAS for data management and analysis. This is repeated items as it is the same as last item.	Programing and interpretation of the output. It was my main responsibility

**Training Conducted:**

<b>Date</b>	<b>Subjects</b>	<b>Trainees and Location</b>
<b>Oracle Application EBusiness Suite Courses</b>		
March, 2015	UNIT4 ERP Financials	ICARDA Finance staff, Beirut
January, 2015	UNIT4 ERP all Modules	ICARDA staff, Beirut
October, 2014	UNIT4 ERP core Modules	ICARDA staff, Tashkent
June, 2013	Oracle General Ledger, Payables, Budgeting, Budgetary Control, Purchasing Process and Fixed Assets.	ICARDA Finance staff, Tunis and Addis Ababa Staff, ICARDA HQ, Beirut.
April, 2013	Purchasing process.	ICARDA outreach offices staff, ICARDA HQ, Beirut.
Feb., 2013	General Ledger, Purchasing process, Reporting.	Outreach offices staff, ICARDA HQ, Beirut.
Sept., 2010	Oracle Application R12.1.1. General Ledger and Purchasing process.	ICARDA Outreach offices staff. ICARDA HQ. Aleppo.
June, 2010	Oracle Applications R12.1.1 purchasing process.	ICARDA administration assistants. ICARDA HQ. Aleppo
June, 2010	Oracle Applications R12.1.1 General Ledger, Account Payables, Purchasing, Fixed Assets, Inventory and HRMS new features.	ICARDA Finance, Purchasing and Supplies, Human Resource departments. ICARDA HQ.
Sept., 2009	Oracle Applications General Ledger, Purchasing	Rabat and Tunis offices new staff.
Dec, 2008	Oracle Account payables Modules training course	ICARDA Finance department, ICARDA HQ.
May, 2008	Oracle purchase requisition processing	ICARDA administrations assistants.
Jan., 2008	Oracle suppliers management and PO processing	ICARDA Purchasing department.
August, 2007	Oracle Application HRMS process	ICARDA HR department
March, 2007	Oracle GLFSG and Discoverer reporting	ICARDA Finance department
Nov., 2006	Oracle General Ledger, Purchasing	ICARDA outreach staff (Amman, Dubai, Muscat, New Delhi) staff. ICARDA HQ.
April, 2006	Oracle Applications 11.5.9, General Ledger, Accounts Payable and Purchasing	Finance & PSD departments' staff. ICARDA HQ, Aleppo.
Nov., 2005	Oracle Applications 11.5.9, General Ledger and Purchasing Modules.	Ankara Office staff. Ankara, Egypt.
October, 2005	Oracle Applications 11.5.9, General Ledger and Purchasing Modules and HRMS.	Tashkent office staff. Tashkent, Uzbekistan.
Sept., 2005	Oracle Applications EBS 11.5.9. General Ledger, Purchasing modules	ICARDA outreach offices. ICARDA HQ.
July, 2005	Oracle Applications EBS 11.5.9 , General Ledger, Account Payables, Fixed Assets, Purchasing, Inventory, HRMS training course	ICARDA Finance department, PSD, HR departments. ICARDA HQ.
April, 2003	Oracle Applications 10.7, Purchasing module training	ICARDA purchasing department. ICARDA HQ.

Date	Subjects	Trainees and Location
June, 2002	Oracle Applications 10.7, General Ledger, Accounts Payables courses	ICARDA Finance Department. ICARDA HQ.
June, 2002	Oracle Applications 10.7 , General Ledger, Accounts Payables, Fixed Assets and Purchasing Training courses	ICARDA Finance Department. ICARDA HQ.
June, 2002	Oracle Applications 10.7, General Ledger Training course.	ICARDA Finance Department
<b>Oracle Application Development Courses</b>		
Jan- Mar., 2002	Oracle Applications Development full package, Oracle RDBMS DBA, SQL, PL/SQL, Trigger, Procedures and Packages, Forms and Report 6i.	Middle East Informatics Institute, Oracle Approved Training Center and Partner. Aleppo.
Sept-Dec, 2003	Oracle Applications Development full package, Oracle RDBMS DBA, SQL, PL/SQL, Trigger, Procedures and Packages, Forms and Report 6i.	
April–Aug. 2003	Oracle Applications Development design and Development. RDBMS, SQL/PLSQ, Packages, Procedures and forms and reports 6i	Banias Refinery, Banias.
Jan - Mar., 2003	Oracle Applications Development full package: Oracle RDBMS DBA, SQL, PL/SQL, Triggers, Procedures and Packages, Forms and reports 6i.	Middle East Informatics Institute, Oracle Approved Training Center and Partner. Aleppo.
Sept -Nov.,2002	Oracle Applications Development full package: Oracle RDBMS DBA, SQL, PL/SQL, Triggers, Procedures and Packages, Forms and reports 6i.	Middle East Informatics Institute, Oracle Approved Training Center and Partner. Aleppo.
May - July, 2002	Oracle Applications Development full package, Oracle RDBMS DBA, SQL, PL/SQL, Triggers, Procedures and Packages, Forms and reports 6i.	Middle East Informatics Institute, Oracle Approved Training Center and Partner. Aleppo-Syria.
Jan. -Mar, 2002	Oracle Applications Development full package, Oracle RDBMS DBA, SQL, PL/SQL, Triggers, Procedures and Packages, Forms and reports 6i.	Middle East Informatics Institute, Oracle Approved Training Center and Partner. Aleppo.
Sept.-Nov.,2001	Oracle Applications Development full package, Oracle RDBMS DBA, SQL, PL/SQL, Triggers, Procedures and Packages, Forms and reports 6i.	Middle East Informatics Institute, Oracle Approved Training Center and Partner. Aleppo.
July -Aug., 2001	Oracle Applications Development full package, Oracle RDBMS DBA, SQL, PL/SQL, Triggers, Procedures and Packages, Forms and reports 6i.	Middle East Informatics Institute, Oracle Approved Training Center and Partner. Aleppo.
Mar-April, 2001	Oracle Applications Development full package, Oracle RDBMS DBA, SQL, PL/SQL, Triggers, Procedures and Packages, Forms and reports 6i.	Middle East Informatics Institute, Oracle Approved Training Center and Partner. Aleppo.
Dec. – Jan. 2000	Oracle Applications Development full package, Oracle RDBMS DBA, SQL, PL/SQL, Triggers, Procedures and Packages, Forms and reports 6i.	Middle East Informatics Institute, Oracle Approved Training Center and Partner. Aleppo.

Date	Subjects	Trainees and Location
May- July, 2000	Oracle Applications Development full package, Oracle RDBMS DBA, SQL, PL/SQL, Triggers, Procedures and Packages, Forms and reports 6i.	Middle East Informatics Institute, Oracle Approved Training Center and Partner. Aleppo.
Jan. - Feb., 2000	Oracle Applications Development full package, Oracle RDBMS DBA, SQL, PL/SQL, Triggers, Procedures and Packages, Forms and reports 6i.	Middle East Informatics Institute, Oracle Approved Training Center and Partner. Aleppo-Syria.
October, 1999	Oracle Applications Development full package, Oracle RDBMS DBA, SQL, PL/SQL, Triggers, Procedures and Packages, Forms and reports 6i.	Middle East Informatics Institute, Oracle Approved Training Center and Partner. Aleppo.
July, 1999	Oracle 8, DBA intensive course.	Middle East Informatics Institute, Oracle Approved Training Center and Partner. Aleppo-Syria.
June-July, 2000	C++ Programming course	Middle East Informatics Institute.
October 1993	C Programming Language	Aleppo Center for Science, Aleppo.
May 1992	C Programming Language	Wafa Computer Systems
<b>Statistical and Biometrics Computing</b>		
June 2001	Advanced Statistical Data Analysis of Wheat On-Farm Trials.	ICARDA Scientists, ICARDA HQ.
June, 2001	Design and Analysis of Experimental Data. (June 4-8, 2001, ICARDA, Aleppo-Syria).	National Agricultural Systems in WANA and Central Asia regions. ICARDA HQ.
Oct., 2000	Generation of Randomization plan, data management and analysis., ICARDA, Aleppo. Syria).	ICADRDA researchers and scientists. ICARDA HQ.
Sept., 2000	Statistical Analysis of Data with case studies., ICARDA, Aleppo-Syria).	Research and Scientist from WANA and CACUS regions. ICARDA, HQ.
April, 2000	Experimental data management, generation of randomization plan and analysis using GENSTATA.	ICADRDA researchers and scientists. ICARDA HQ.
Sept., 1999	Variety Trials: Design and analysis Using GENSTATA.	ICARDA scientists and researchers. ICARDA HQ.
June, 1999	Statistical Design, Data Management & Analysis of Field Experiments	Research and Scientist from WANA and CACUS regions. ICARDA, HQ.
May, 1999	Data conversion from VAX-VMS to Windows Environment, Data Management, Randomization and Data analysis (Project 1.3 Staff).	Research assistants ICARDA HQ.
Feb., 1999	Experimental Data management and statistical analysis using GENSTAT.	ICARDA Scientists. ICARDA HQ.

Date	Subjects	Trainees and Location
Nov. 1998	Data management and analysis by GENSTATA.	ICARDA scientists. ICARDA HQ.
Oct., 1998	Experimental Data Management and Analysis by GENSTATA (, ICARDA-Aleppo-Syria).	Research and Scientist from WANA and CACUS region. ICARDA, HQ.
April, 1998	Design and analysis of multi-locational variety trials.	Research and Scientist from WANA and CACUS region. ICARDA, HQ.
March, 1998	Design, Analysis and Presentation of Agricultural Experiments.	AREA-ICARDA researchers, Damar, Yemen.
Nov. 1997	Alpha designs by Alpha+.	ICARDA scientists. ICARDA HQ.
Sept., 1997	Data analysis by GENSTATA.	ICARDA scientists and research assistants.
March, 1996	Biometrical methods with Computer Applications in Agricultural Research.	Research and Scientist from WANA and CACUS region. ICARDA, HQ.
Oct., 1995	Computer Application and statistical computing in Agricultural Research.	Agricultural Researcher from the Gulf countries and Yemen. Doha-Qatar.
June, 1995	Biometrics and Biometric Computing in Agricultural Research.	Researchers from North Africa region. ICARDA- IRESA, Tunis, Tunisia
Feb., 1995	Computer Application of Statistical Methods in Agricultural Research. jointly organized by AARINENA and ICARDA with collaboration of the Department of Statistics, University of Nebraska using SAS.	ICARDA scientists and scientists from WANA region. ICARDA HQ.
May, 1994	Statistical Methods with Computer Applications in Agricultural Research.	Research and Scientist from WANA and CACUS region. ICARDA, HQ.
Feb., 1994	ANOVA for Data From Designed Experiments.	ICARDA scientists. ICARDA HQ.
Jan., 1994	Basic Principles of Experimental Designs and Generation of Randomized Plans.	ICARDA scientists. ICARDA HQ.
Oct., 1993	Designs of Experiments.	ICARDA scientists. ICARDA HQ.
June, 1993	Correlation and Regressions.	ICARDA scientist. ICARDA HQ.
May, 1993	Test of Significance.	ICARDA scientists. ICARDA HQ.
April , 1993	Biometrical Technique and Related Computing in Agricultural Research .	Research and Scientist from WANA and CACUS region. ICARDA, HQ
June, 1993	Correlation and Regressions.	ICARDA scientists. ICARDA

### Research Publications

Rida, Fadil (2003). Computer simulation models for sustainable groundwater use in agriculture in Syria. Ph.D. Dissertation. Unpublished. University of Cukurova-Turkey.

Fadil Rida, Aden Aw-Hassan and Adriana Bruggeman (2004). Sustainable use of groundwater in Syria. **ICARDA-Caravan**, Issue No 20/21. June/December 2004.

Aykut Gul , Fadil Rida , Aden Aw-Hassan , Orhan Buyukalaca (2005), Economic analysis of energy use in groundwater irrigation of dry areas: a case study in Syria, **Applied Energy** 82: 285–299.

Aden Aw-Hassan, Fadel Rida, Roberto Telleria, Adriana Bruggeman. The impact of food and agricultural and policies on groundwater use in Syria. **Journal of Hydrology** 513 (2014) 204–215.

I also published in ICARDA Annual Report.

#### **Research Seminars:**

Economic Analysis of Groundwater Use: Macro- and Micro-level Issues (July 2004)- ICARDA annual seminar.

Simulation Models for Groundwater Use in Agriculture (2002). ICARDA.

Syrian Economy and Agriculture (May-2002). University of Cukurova.

Natural Resource and Economic Analysis (March-2001). University of Cukurova.

Sustainable Ground Water Use: Lessons Learned (November-2000) Cukurova University.

Farmers and Irrigation Indigenous Knowledge (November-2000) Presented for the workshop on Groundwater Indigenous Knowledge.

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