

SAWSAN BAKR

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Curriculum Vitae

Birth Date & Place	8 th November, 1955 - Cairo, Egypt
Languages	Arabic, English, German
Professional Title	Associate Professor of Urban Planning, Dept. of Architecture, Faculty of Engineering, Cairo University Urban & Regional Development & Environmental Management Consultant

ACADEMIC & PROFESSIONAL EMPLOYMENT RECORD

ACADEMIC DEGREES

1990	Ph.D., Urban Planning and Policy Development - Rutgers, The State University of New Jersey. New Brunswick, New Jersey, USA. Thesis: "Very Small Business Establishments and Metropolitan Economic Development in the United States, 1962-1985".
1986	Master of City and Regional Planning (MCRP) - Rutgers, The State University of New Jersey. New Brunswick, New Jersey, USA. Specialization: "Comparative Urbanization and Regional Development".
1981	Master of Science in Advanced Architectural Studies - Massachusetts Institute of Technology, Dept. of Urban Planning & Architecture. Cambridge, Mass, USA. Thesis: <i>Form and Territory: A comparison between four areas in Cairo</i>
1977	B.Sc. Architectural Engineering , Faculty of Engineering, Cairo University, Egypt.

SCHOLARSHIPS

1986-1990	Ministry of Higher Education Scholarship, Government of Egypt.
1984-1986	Peace Fellowship, USAID
1979-1981	MIT/CU Technological Adaptation Program Research Fellowship, USAID

ACADEMIC POSTS

2015 -	Professor - Department of Architecture, Faculty of Engineering, CU.
2000-2015t	Associate Professor – Department of Architecture, Faculty of Engineering, CU.
1990-1999	Lecturer – Department of Architecture, Faculty of Engineering, CU.
1981-1990	Assistant Lecturer – Department of Architecture, Faculty of Engineering, CU.
1977-1981	Demonstrator – Department of Architecture, Faculty of Engineering, CU.
1979-1981	Research Assistant – MIT/CU Technological Adaptation Program, MIT, Mass.
1977-1979	Research Assistant – MIT/CU Technological Adaptation Program, CU, Egypt.

PROFESSIONAL POSTS

Sept 2006- present	Managing Director: <i>GIS Resources for Urban Information & Studies</i>
Sept. 2001 – present	Independent Consultant – <i>Urban Development and Environmental Management</i>
2000 – Sept. 2001	Managing Partner: <i>Engineering & Planning Consultants (EPCON)</i>
1998 – 2000	Independent Consultant – <i>Environmental Management/ Urban Development</i>
1990- present	Urban Planning Consultant – <i>General Organization for Physical Planning (GOPP), the Ministry of Housing, Utilities, and Urban Development (MHUUD)</i>
1993-1998	Senior Consultant & Special Projects Coordinator – <i>Chemonics Egypt</i>

PROFESSIONAL EXPERIENCE RECORD

URBAN & REGIONAL PLANNING

Project Manager– City Strategic General Plans

- Contract with General Organization for Physical Planning –Ministry of Housing, Utilities and Urban Development (GOPP/MHUUD) for the Preparation of the Strategic Urban Plan for El Korain City, Sharkia Governorate (2011- underway).
- Contract with UN-HABITAT for the Preparation of the Strategic Urban Plan for El Rayed City, Kafr El Sheikh Governorate (2009 - 2012) completed..
- Contract with SPACE Consultants – The Strategic Urban Development Plan for New Cairo City, Helwan Governorate. Tasks include Project Management, Strategic General Plan, Strategic Framework Development, Preparation of Implementation Programs and M&E framework (2009-2010).
- Contract with UN-HABITAT for the Preparation of the Strategic Urban Plan for Beila City, Kafr El Sheikh Governorate (2007-2008) completed and approved.

Housing Expert

- Contract with GOPP/UNDP for the Preparation of the Housing Sector Study for : *The Strategic Plan for Giza City (2017)*.
- Contract with GOPP for the Preparation of the Strategic Plan of Port Fouad City, Port Said Governorate (2016).
- Contract with UN-HABITAT for drafting the section on Urban Housing and Basic Services Issues and Challenges for a New Urban Agenda as part of the Egyptian National Report for presentation at the Third UN Conference on Housing and Sustainable Urban Development (Habitat III) (2014 completed)
- Contract with GOPP/UNDP for the Preparation of the Housing Sector Development Strategy for the Project: *"The Strategic Plan for Qalyoubia Governorate up to the year 2032"*. (2012-2014).
- Contract with GOPP-MHUUC for the preparation of the Housing Sector Profile for Marsa Matrouh City, Matrouh Governorate, Egypt (2011 – underway).
- Contract with GOPP-MHUUC/UNDP for the preparation of the Urban Upgrading Development Plan for North Karnak, Luxor City, Egypt (2009 – underway).
- Contract with GOPP/UNDP for the Preparation of the Housing Sector Development Strategy for the Project: *"The Strategic Plan for Giza Governorate up to the year 2027"*. (2009-2011).
- Contract with GOPP as part of the Project "Implementation Mechanisms of the Strategic Development of Southern Egypt (GOPP/UNDP) for providing training to urban planning staff in the governorates in the application of the *Guidelines for preparation of detailed plans for villages* (January 2009).
- Contract with GOPP as part of the Project "Implementation Mechanisms of the Strategic Development of Southern Egypt (GOPP/UNDP) for the preparation of the *Abu Hashish Urban Upgrading Project* (2008-2009).
- Contract with GOPP as part of the Project "Implementation Mechanisms of the Strategic Development of Southern Egypt (GOPP/UNDP) for the preparation of *Detailed Plan for Demira Village, Markaz Dalkha, Dakhlia Governorate*. Also responsible for *the housing section in the Guidelines for preparation of detailed plans for villages* by Local Councils throughout Egypt (2006-2007).

Monitoring & Evaluation Consultant

- Contract with GOPP/MHUUD for providing training to Senior Planning staff at the governorate level on Monitoring and Evaluation for managing urban development. Training provided on *"Performance Measurement Indicators: with the Results-based Management Framework"*, as part of the Project for preparing the Long Term Strategic Plan for the Greater Cairo Region Strategic Vision up to the year 2050 (GOPP/UNDP) (May 13 and 27, 2009).
- Contract with GOPP for providing Technical Assistance towards developing a M&E system for urban development in Egypt (GOPP/UNDP/SIDA) (2008).

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- Project Manager** Contract with Cairo University/GOPP-MHUUD for :
- Urban & Regional Planner**
- *The preparation of detailed plan for Al Borombul Village, Giza Governorate (2013)*
 - *The preparation of detailed plans for 10 villages in Qena Governorate (2010-2011).*
 - *The preparation of urban boundaries up to the year 2027 for about 60 Ezab and Hamlets in Markaz Belqas, Dakahilia Governorate (2010-underway).*
 - *The preparation of detailed plan for 1500 acre land in 6th of October City for the National Social Housing Program "Ibni Beitaq" (2008).*
 - *The Preparation of strategic development plans for two local units in Qena Governorate (a total of 10 villages) (2008).*
 - *The Preparation of strategic development plans for three local units in Gharbia Governorate (a total of 19 villages) (2007).*
 - *The Preparation of strategic development plans for three local units, Menoufia Governorate (a total of 12 villages (2006).*
 - Contract with CU/GOPP: Preparation of strategic development plans for *Um EL Zein Local Unit in Markaz Zakazik, Sharikia Governorate (including 9 villages). (May –October 2005).* Um El Zein has been selected by GOPP as the model for the preparation of all strategic plans for villages in Egypt.
 - Contract with CU/ GOPP: for the preparation of *Development Guide Plans for:*
 - Kom el Tawil and Ibshan *mother villages in Kafr El Sheikh governorate (2004).*
 - El Keday – el Kebabat *mother villages in Giza governorate (2003).*
- Urban Economist**
- Contract with GOPP/MHUUD for *preparation of development and upgrading project for Gezirat el Dahab in Giza Governorate.* Responsible for developing urban and economic indicators for the project area (divided into action areas) to determine the most appropriate method of intervention taking into consideration urban conditions and economic viability. (2006)
- Urban Indicators & Training Consultant**
- Contract with GOPP/National Urban Observatory for preparation of Section 7:Indicators" of Egypt's National Report: Habitat III (2015).
 - Contract with National Urban Observatory, GOPP-MHUUD/UNDP for the preparation of *the Housing Indicators and the State of Built Environment for Cairo City (Governorate) Profile (2010 -2013).*
 - Contract with GOPP/UNDP/CIDA and CMHC for the preparation of the Comparative Analyses of Housing Indicators included in the Comprehensive Report "Housing Indicators and the State of Built Environment of Seven Egyptian Cities. Also co-lead author of the Comprehensive Report (2009-2013).
 - Contract with GOPP to provide technical assistance to NUO staff towards the preparation of the City Profiles for seven cities (2009-underway).
 - Contract with UN-HABITAT for Preparation of the report "*Development of Urban Indicators for Monitoring National Urban Development Programs in Egypt*" (2008 - draft report completed).
 - Contract with Korean Institute for Human Settlements (KRIHS): for the Project *for the Establishment of National and Local Monitoring Systems to observe and evaluate Land Development Policies in Egypt.* Responsible for managing urban indicators data collection and analyses in the various urban and housing sectors; and preparing the population and economic profiles and the analyses of land supply and demand in the Study Areas (Tanta and Assuit Cities) and project areas (new community and informal areas) (2007).
 - Contract with Korean Institute for Human Settlements (KRIHS) for the preparation of the Technical and Financial proposal for the Hiring Local Consultant for the Project *for the Establishment of National and Local*
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Monitoring Systems to Observe and Evaluate Land Development Policies in Egypt (2006).

- Contract with GOPP to provide TA to the National Urban Observatory (NUO)/GOPP in the preparation of Memorandum of Understanding for the initiation of the *Project for developing the urban observatory* under the guidance of Canada Mortgage and Housing Corporation/CIDA (2005-2008).
- Contract with the NUO/GOPP: Responsible for preparation of the Report entitled "*Defining Housing needs in Egypt: Using Indicators*". The report describes housing conditions using recent housing indicators at the national and governorate level (urban and rural); and identifies housing needs (2005).
- Contract with the NUO/GOPP to provide TA to NUO management and staff. Activities include: preparation of work plans; organizational structure; applying for funding from various agencies; and training of staff at the central and regional level on urban indicators (2002 – 2005).

Urban Planning For the GOPP:

Consultant

- The preparation of the report on *Progress achieved in meeting the goals, targets and commitments of Agenda 21, the Programme for the Further Implementation of Agenda 21, and the JPI. In areas of "Human Settlements and Water and Sanitation in Egypt"*. Report was presented by the Minister of Housing, Utilities and Urban Communities at the Commission on Sustainable Development (CSD), 12th session, NY 14-30 April 2004.
- Contract with GOPP - *Implementing Mechanisms Consultant in the "South of the Valley Human Development Project"* funded by UNDP 1999-2000.
- The preparation of the Regional Plan for Developing the Northern Western Coast (2000).
- The preparation of the *Structural Plan for the City of El-Zaafrana , Red Sea Governorate* (1996).
- The preparation of Social Services Studies and needs for *the Structural and Master Plan of Ras-Garab City - Red Sea Governorate* (1996).

Housing Consultant For the GOPP –participated in the preparation of *the Master and Structural Plan for the following Cities:*

- The City of Senours, El Fayoum Governorate (2004).
- The cities of Dir Mouas (1999) Menya City (1998), El Edwa (1997), Samalot (1997) - Menya Governorate.
- The cities Naser (2004), Beba (1999), Ahnasia (1998), El Fashen (2001) , Wasti (2002), Somasta (2003) - Beni Suef Governorate.
- The City of Ashmoun -El Menofeya Governorate (1994).
- The Development Plan for the villages of El Dmiein and Swaleh, Sharikia Governorate – 2003.

Participated in the preparation of the *Detailed Plans* for the following cities:

- New Fayoum City – Fayoum Governorate (1998).
- Two Action Areas in Wadi El Natroun, Egypt. (1997).
- Two Action Areas in Rashid City (1977) including the historical district.

Other Assignments

- For the GOPP, prepared the English Document of The Government of Egypt (GOE) *National Report concerning review and assessment of Progress achieved in Implementing the Habitat Agenda*. Report presented at the United Nations General Assembly held in June 2001 Special Session (Istanbul + 5).
- Assistance to GOPP conference organizing committee in the preparation of final conference reports and recommendations. Conferences include:
 - The Regional Arab Conference: Urban and rural interdependencies" December 2005.
 - The Regional Arab Conference: "Improving Living Conditions through

Sustainable Urban Development” December 2003.

- The Regional Arab Conference on “Secure Tenure and Good Urban Governance: Preconditions for Social Justice in the City”, held in Cairo, 21 –24 Feb.2001.
- The Regional Arab Conference on “Ecological Criteria And Sustainable Urban Development”, held in Cairo, 21 –24 Feb. 2000.

Publications and Conferences

- S. Bakr "*Housing Production in Urban Egypt: the Inert Formal Sector versus the Ungovernable Informal Sector*", Journal of Urban Research (issn2090-0694), Faculty of Regional and Urban Planning, CU, July 2015.
- S. Bakr, Presentation of Egypt National Report, Housing and Slum Upgrading Section in ARCHCAIRO 2014: 6th International Conference "*Towards a regional agenda for Habitat III*", 25-27 November, 2014, Cairo.
- S. Bakr "*The relevance of the City Cluster Development Approach in Planning Sustainable New Communities in Egypt*", International Conference on Developing the New Urban Communities Policies and Priorities 28-31 March 2009 Bibliotheca Alexandria – Egypt.
- S. Bakr "*Formal and informal housing production in urban Egypt: Policy Implications*". Arab Regional Conference on Development of Arab Cities and current global conditions" Cairo, Dec. 24-26 Dec. 2006.
- S. Bakr. "*The Impact of Housing Production on vacancy and crowding in Egypt's regions: 1986-1996* " The 3rd international conference on Appropriating Architecture, Taming Urbanism in the Decades of Transformation, 21-23 Feb 2006.
- S. Bakr. "*Regional Variations in Housing Quality in Egypt: 1986-1996*" The 3rd international conference on Appropriating Architecture, Taming Urbanism in the Decades of Transformation, 21-23 Feb 2006.
- S. Bakr "*Presentation of the Strategic Urban Plan for Um el Zein Local Unit – in Sharkia Governorate* " At the Regional Arab Conference: Urban and rural interdependencies" December 2005.
- S. Bakr. Presentation of Paper on "*Housing Needs in Egypt* " based on work prepared for the National Urban Observatory an at the Regional Arab Conference: Urban and rural interdependencies" December 2005.
- S. Bakr. *The Sustainability of NGOs Development efforts: The Micro credit Sector in Egypt*". Presented at the Regional Arab Conference entitled "*Improving Living Conditions through Sustainable Urban Development* " - Cairo December 2003.
- Bakr, S. & S. Amer, "*Government's Role in Self-Help Housing in Urban Developing Areas: The Site and Services Approach*", The International Housing Conference on Policies and Housing Systems for Low Income People, Cairo 23-27 Feb. 1995 .
- Bakr, S. & S. Amer, "*The Validity of Self-Help Housing Policies in Developing Countries: A Debate*", The International Housing Conference on Policies and Housing Systems for Low Income People, Cairo 23-27 Feb. 1995.
- Bakr, S. & S. Shabka, "*The Role of Non-Governmental Organizations in Developing Urban Communities*", The Future of New Urban Communities Conference (UNDP-Habitat), Cairo, 23-25 May 1995.

ENVIRONMENTAL MANAGEMENT

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| Urban Planning Consultant | For the SEAM Programme/EEAA: <i>Preparation of the Urban Development Sections for Damietta's Environmental Profile and Governorate Action Plan.</i> 2003-2004 |
| Project Review Consultant | ▪ For the Environmental Protection Fund (EPF)/EEAA : Review and evaluation of about 300 projects submitted by governorates, the private sector, universities to the EPF for financial support. Technical assistance included preparation and presentation of project evaluation reports to the EPF Fund Management |

	<p>Committee. 2002- July 2004</p> <ul style="list-style-type: none"> ▪ For the Organization Support Programme (OSP) (Danida / EEAA: Technical assistance to the EPF/ EEAA in the evaluation of environmental projects submitted by governorates, the Private sector, and NGOs to the Fund. Pilot phase 2001.
Training Consultant	<p>For the Environmental Management and Technology Component (EMT) of the Egypt Environmental Initiative Fund (EEIF), EEAA – CIDA, Beak –Cowater – Preparation of the following training lectures:</p> <ul style="list-style-type: none"> ▪ Lecture entitled “<i>Environmental Management Systems: a tool for Sustainability</i>” presented at the training workshop on Economic and Environmental Feasibility Studies for Environmental Projects” Mansoura, 2003. ▪ Lecture entitled “<i>Environmental Impact Assessment: A Tool to Achieve Sustainable Development</i>” presented at the training workshop on Environmental Impact Assessment (EIA), Port Said 7-9/2/2001. ▪ Lecture entitled “<i>Environmental Management Systems: Implications For Pollution Prevention</i>” for the training workshop on “Pollution Prevention & Cleaner Production”. Sharm El Sheikh, 17-19 March 2001.
Project Review Committee Member	<ul style="list-style-type: none"> ▪ For the Environmental Management and Technology Component (EMT) of the Egypt Environmental Initiative Fund (EEIF), EEAA – CIDA, Beak –Cowater. Member of the project review committee responsible for the review of submitted project documents and selection of projects for funding by the EEIF (1999-2002).
Small Business Consultant/Study Manager	<ul style="list-style-type: none"> ▪ For Chemonics Egypt study on “<i>Small and Medium Enterprise (SMEs) in Egypt: Environmental Profile</i>”. Prepared for the Egyptian Environmental Initiative Fund, EEAA. Project Funded by CIDA (November 1998- March 1999).
Technical Proposal Chemonics Egypt	<ul style="list-style-type: none"> • “<i>Komombo and Daraw Solid Waste Management Project</i>”. Governorate of Aswan (DANIDA) (1995). • Participated in preparation of the proposal for “<i>Drain Pollution Sources Study for the Eastern-, Western-, Northern-Delta and the Fayoum</i>”, submitted to Monitoring and Analysis of Drainage Water Quality Project, Drainage Research Institute – Financed by the Royal Netherlands Embassy (July 1996).
Financial Analyst	<ul style="list-style-type: none"> ▪ For Chemonics Egypt - <i>Review of technical and financial feasibility of “Project for Industrial Wastewater Treatment: Equipment manufacture and installation in Shoubra El Khemia”</i>, Submitted to TNW export, Holland. (October 1996).
Environnemental Management Consultant	<ul style="list-style-type: none"> ▪ For Chemonics Egypt - “<i>Development of an Industrial Facility Pollution Abatement Action Plan at the Middle East Paper Company, SIMO, Bahteem, Shoubra El Kheima</i>” Egyptian Environmental Affairs Agency. Prepared with Dr. Ahmad Gaber the Environmental Management System for SIMO (1997).
Land Use Consultant	<ul style="list-style-type: none"> ▪ For Chemonics Egypt - “<i>Drain Pollution Sources Study for the Eastern-, Western-, Northern-Delta and the Fayoum</i>”, <i>Monitoring and Analysis of Drainage Water Quality Project</i>, Drainage Research Institute (July 1996-1997).
Community Development Consultant	<ul style="list-style-type: none"> ▪ For Chemonics Egypt - Member of the project formulation mission for “<i>Covering a Stretch of Abdel Aal Canal, Boulaq el-Dakrou, Giza</i>”, (Royal Netherlands Embassy) (June-Aug. 1996).
Project Manager	<ul style="list-style-type: none"> ▪ For Chemonics Egypt – “<i>Komombo and Daraw Solid Waste Management Project</i>”. Governorate of Aswan (DANIDA), (1995-1997).
Publications & Conferences	<ul style="list-style-type: none"> • Bakr, S. “<i>Environmental Management in Egypt: Towards a Unified Capacity Development Approach</i>”, Regional Arab Conference “Environmental Balance and Sustainable Urban Development”, April 2000. • Bakr, S. “<i>Environmental Management in Informal Areas: with Specific Reference to Solid Waste Management</i>”. Unpublished paper, June 1999. • Bakr, Sawsan and A.Gaber, “<i>Environmental Management Outlook for Small and</i>

Medium Industries in Egypt,” presented at the International Conference on Environmental Management, Health and Sustainable Development, Alexandria, Egypt, 22-25 March 1999.

- Gaber, A. and S. Bakr, “*Marine Pollution, A Sustainable Development Research Agenda*”, The Third Middle East Conference on Marine Pollution and Effluent Management, Kuwait, 23-25/11/1998.
- Bakr, S. & A. Gaber, “Towards an Integrated Solid Waste Management System in Egyptian Secondary Cities”. The American Society of Civil Engineers Regional Conference. Heliopolis, Cairo, Egypt, 10-12/10/1995.

INSTITUTIONAL DEVELOPMENT

Environmental Protection Fund (EPF) Specialist	<p>For the Egyptian Environmental Policy Program (EEPP)/Program Support Unit (PSU) financed by USAID. Several contracts have been completed for the Environmental Protection Fund:</p> <ul style="list-style-type: none"> ▪ The preparation of <i>The Operation Manual, Annual Work Plan for the pilot phase</i>, training of EPF Staff, and mobilization of Fund (Dec. 1999 – August 2000). ▪ <i>Revenue Enhancement Strategy</i> to increase revenue for financing environmental projects (October 2000 – August 2001). ▪ Assistance to the Fund Manager in preparing <i>the Work Plan for Tranche 2</i> pertaining to development of the Revenue Enhancement Plan (2001). ▪ <i>Development of the Revenue Enhancement Plan</i> whereby the Fund will implement several-selected revenue options. Oct. 2001 – 2003. Plan presented and approved by the EEAA Board of Directors (June 2000).
Training consultant	<ul style="list-style-type: none"> ▪ For the Organization Support Programme (OSP)/EEAA, Egypt. Prepared and Presented a lecture on licensing of tourism establishments (November 2001).
EPF Consultant	<ul style="list-style-type: none"> ▪ For the OSP/EEAA. Participated in the preparation of the <i>Fund’s 2nd Operating Plan</i>, specifically defining the Fund’s environmental priorities and types of projects that may apply for the Fund’s financial support (2001).
Institutional Development Consultant	<ul style="list-style-type: none"> ▪ For the OSP/EEAA. Responsible for reviewing the licensing of tourism establishments and preparation of a format for <i>The Environmental Status Report for Tourism Development Projects</i>. (2001). ▪ For the OSP/EEAA. Local Mission Consultant for preparation of the <i>Training Needs Assessment of the Environmental Inspection Unit at EEAA</i> (Sept.2000 – Nov 2001).
Institutional & Policy Analyst	<ul style="list-style-type: none"> ▪ For the Capacity Building for Environmental and Sustainable Development Project (NEAP) financed by UNDP – Preparation of a background paper on “<i>Environmental Management in Egypt: An Overview</i>” incorporated in the NEAP; and participated in the Urban Planning Section (June 1999- Dec. 2000).
Institutional Devel. Consultant	<ul style="list-style-type: none"> ▪ For the OSP/ EEAA - Developed an “<i>Outline of an Environmentally Integrated Licensing System for Industrial Establishments</i>”. November 1998 – July 1999.
Work Plan Consultant	<ul style="list-style-type: none"> ▪ For Chemonics Egypt – Prepared the “<i>Detailed Work Plan for the Social Fund for Development Labor Based Small Contractors Training Programme</i>”, Danida (1998).
Proposal Preparation-Chemonics Egypt	<ul style="list-style-type: none"> ▪ Participated in the preparation of the proposal for “SFD Labor Based Small Contractors Training Programme”, technical proposal – Danida (1998). ▪ Participated in the preparation of the proposal for “Training Services for the Aswan Local Administration Technical Assistance and Training Project “(ALATAT), Aswan Governorate, Danida 1996. ▪ Prepared the proposal for "National Consultancy on Technical Support to the Working Groups: Sustainable Ismailia Project" (SIP: UNCHS/ HABITAT) (1994).

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- Project coordinator & Urban Planning Consultant**
- For Chemonics Egypt - *National Consultancy on Technical Support to the Working Groups: Sustainable Ismailia Project* (Sustainable Cities Programme: UNCHS/ HABITAT) (1994)
- Publications & Conferences**
- S. Bakr & Hoda Sabry: “*Strengthening the EPF to become an effective tool for financing environmental private-public Environmental Initiatives*”, the 3rd International Conference & Trade Fair for Environmental Management and Technologies, 29-31 October 2001.
 - Bakr, S. & M. Mahmoud, “*The Health Delivery System in Egypt: A Regional Overview*”, XIX International Public Health Seminar: Planning, Design and Equipment of Hospitals (IHF/UIA/SEA/WHP), Cairo 5-7 March 1999.
 - Gaber, A. and S. Bakr, “*Environmental Management as Part of a Sustainable Development Research Agenda*”, International Conference on Environmental Management, Health and Sustainable Development, Alexandria, Egypt. 22-25 March 1999.
 - Gaber, A. and S. Bakr, “*Industrial Regulations in a Changing World*”, presented at the Workshop on "Insuring Investment Risks", organized by the Arab Society for Human Resource Development, Alexandria, May 1996.
 - Gaber, A. and S. Bakr, Proposition Paper entitled “*National Support and Research Needs: the Way Forward*” prepared for SIGP/UNDP/HABITAT and presented in the National Consultation on Urban Environmental Management Strategies for Cities in Egypt, Ismailia City. May 17-19, 1998.

WATER AND SANITATION

- Strategic Planner** For Consortium comprising Atkins, HCL, COWI and Chemonics Egypt Technical Assistance to the Holding Company for Water and Wastewater for Technical Studies and Strategy Development, EuropeAid/135681/DH/SER/EG. Task included preparation of background study entitled *Planning and Governance*, and participation in the formulation of *Egypt National Rural Sanitation Strategy up to the year 2032* (2015-2017).
- Project Manager/ Development Consultant** For Chemonics Egypt – Preparation of “*Water Supply and Sanitation in Upper and Middle Egypt: The Need for a Unitary Approach*”. This study was prepared for CARE-Egypt (1999).
- For Chemonics Egypt – “*Assessment of Water and Sanitation in Edfu Rural Areas*, for Edfu Primary Health Care Project, Danida Project Implementation Unit. Responsible for project coordination and preparation of final report (1995).
- Proposal Manager- Chemonics Egypt** For Chemonics Egypt- Prepared several proposals for “*Social, Economic and Environmental Studies for SFD Public Works Projects*” in various governorates, Social Fund for Development (SFD) (1992-1998).
- Study Manager/ Economic and Social Feasibility Specialist** For Chemonics Egypt – responsible for carrying out the “*Technical Feasibility and Social, Economic and Environmental Studies for Public Works Projects*” in various governorates including Menofeya, Beni Suef, Sohag, Ismailia, Qalyoubia, and Aswan, for the Social Fund for Development (1992-1998).
- Co-investigator** Prepared with Dr. Ahmad Gaber a study entitled “*An issue-oriented Assessment of the Rural Water and Wastewater sectors in Egypt*”, for the Mediterranean Environmental Technical Assistance Program (METAP) (August – September 1997).
- Project Coordinator** For Chemonics Egypt - *The Suez Special Services Project* (ABB SUSA/Dillingham JV) USAID - which consisted of: Industrial User Survey; Industrial Waste Monitoring Program; Infiltration and Salinity Survey in Suez City (1993-1995).