

CURRICULUM VITAE

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Degrees:

B.A. (Distinction)	American University of Beirut	Economics 1963
M.S.	Purdue University	Economics 1966
Ph.D.	Purdue University	Economics 1969

Academic and Other Relevant Appointments:

1964-67	Purdue University	Instructor
1967-69	St. Joseph College Indiana	Assistant Professor
1969-74	McMaster University	Assistant Professor
1974-81	McMaster University	Associate Professor
1974-75	Cambridge University	Senior Academic Visitor, Faculty of Economics and Politics
1981-	McMaster University	Professor
1982-83	UNIDO	Industrial Development Officer
1989-1998	Harvard University	Member of the Institute for Social and Economic Policy
2002	United Nations Economic and Social Commission for Western Asian—Interim Chief, Economic Analysis Division	for 6 months.
2006	United Nations Economic and social Commission	

for Western Asia-Interim, Deputy Executive Secretary for 5 months.

Honours and Fellowships:

First and second year law school, High Distinction, 1962 and 1963.

Ford Foundation Fellowship, 1964.

David Ross Fellowship, 1966-1967.

Krannert Fellowship, 1966-1967.

National Science Foundation, 1968.

Member of the University Senate, 1976-1979.

Member of the President Budget Advisory Committee, 1978 and 1979.

Social Sciences and Humanities Research Council of Canada, leave fellowships, 1974/75, 1981-82 and 1988/89.

Associate Editor Canadian Journal of Development Studies.

Editorial Board, Arab Studies Quarterly.

Governor General Centennial Medal

Languages: Fluent in Arabic and English, conversational French and some German.

Consulting Activities (Sample List):

I have worked for a number of public agencies in Canada and abroad. Below is a short list.

- Ministry of Treasury, Economics and Intergovernmental Affairs - Government of Ontario.
 - Office of Economic Policy—in the office of budget and macroeconomic analysis designing performance indicators and budget forecasting tools.
 - Economic Analysis Branch—Sectoral studies and regional impact systems.

- Econometric Research Branch—Developed an Input Output Model for Ontario and sub-regions, an econometric Model for Ontario and the Quarterly Provincial Accounts.
 - Regional Development Branch—Regional Systems of incentives for industrial location in remote areas.
 - Ontario Statistical Office—price and quantity indices and other national accounts indicators.
- Ministry of Industry and Tourism - Government of Ontario. Developed models for evaluating the economic impacts of events and the efficacy and rates of return on investment and advertising. Developed Financial feasibility Model FAIM for evaluating industrial grants.
 - Ministry of Natural Resources - Government of Ontario. Developed software for the Timber Planning Process and Financial models of the resource management alternatives.
 - Ministry of Industry and Trade - Government of Ontario. Was part of a major team on developing centres of excellence and the biotech corridor between Ottawa and Windsor.
 - Ministry of the Environment – Developed LINK a system that integrates economic and environmental indicators both at an interdisciplinary and as separate systems as well as evaluated the environmental impacts of different macroeconomic scenarios over few generations.
 - Ontario Economic Council – Analysed the budget allocations by program and department and looked at the implication on the debt and deficit of a number of financing options.
 - United Nations Industrial Development Organization
 - Country and Regional Studies Branch – helped in developing the Arab country industrial development reports for Saudi Arabia, Syria, Qatar, UAE, Oman, Egypt and Sudan.
 - Sectoral Studies Branch – developed a large econometric model of the Arab Petrochemical Industry and its capacity to compete on world markets and an Econometric Model for Forecasting the World Capital Goods Market.
 - Global Studies Branch – was part of the Team that generated the UNITAD global model.
 - Technology Transfer Branch – helped in evaluating different contraction options for the transfer and the management of innovation.
 - Planning Division – helped in drafting a number of reports on Industrial planning in several Southeast Asian and Arab countries.

- United Nations, Economic and Social Commission for Western Asia
I worked as a development officer in the Industry Branch where I helped in organizing the Arab Ministers' of Industry Conferences. I also worked as the Interim Chief of the Division of Economic Analysis in 2002. I have produced over 30 reports and was part of many expert teams dealing with industrial and trade development in the ESCWA Region.
- Ministry of Planning - Iraq – was part of the High Level Manpower Project team that reorganized the educational and training systems.
- Ministry of Planning and Ministry of Industry - Syria – Involved in the analysis of the long term development plan, the industrial rejuvenation program and developed a macro-econometric forecasting model
- Ministry of Planning - Kuwait – was part of the group that used the input output model in Kuwait as part of a model that integrates IO analysis with macroeconomic modelling.
- IDCAS: Industrial Development Centre for Arab States, Tunis, Tunisia. Participated in preparing industrial development reviews for a number of Arab states,
- Gulf Cooperation Council, Riyadh, Saudi Arabia. Led a team of experts that examined the prospects of resource based industrialization in the GCC countries.
- Ministry of Industry, Indonesia – led a team of UNIDO experts on developing Middle Level Industrial Structures in Indonesia.
- Ministry of Tourism and Recreation - Government of Ontario – developed the MTR12 and FAIM systems that evaluate the economic feasibility and viability of tourism projects and cost/benefit metrics of tourism and small industry loans.
- Ministry of Energy - Government of Ontario – evaluated the energy conservation strategies and initiatives of the ministry.
- Petroleum Information Committee – Kuwait – helped in organizing seminars and writing books that explain energy decisions and perspectives of OAPEC.
- United Nations – ILO – estimated the vocational and technical requirements of the Arab region.
- Tourism Ontario – Participated in formulating the tourism strategy for Ontario and particularly Niagara Falls.
- National Economic and Social Development Board - Government of Thailand.. Developed an industrial reporting and monitoring system for the Board.
- Ministry of Industry - Government of the Sudan. Organized and supervised the implementation of the Industrial Survey of establishments and Sudan.
- Tourism Canada – Built the first bilingual economic impact model for tourism in Canada.
- Acres International – evaluated the economic performance of several airports and electrical generation facilities.
- Ministry of Transportation- Government of Ontario – developed TRIM a

specialized model that forecasts and evaluates Infrastructural Requirements and Impacts. As well, we evaluated the Transportation-Economy linkages in the light of border delays with the US and the contribution of transportation to competitive fundamentals of Ontario and Canada exports.

- World Bank – several projects on educational planning and cost/benefit analysis.
- Alberta Tourism – built two systems for evaluation of tourism projects and industrial initiatives-- TEIM and DEIM. As well I have worked on some of the largest tourism projects in the province including several in Canmore, Banff and on the economic impact of the West Edmonton Mall.
- Energy Mines and Resources – examined the economic impact of mining on remote communities in Northern Ontario
- Harbour Commission, Thunder Bay – evaluated the economic performance and viability of the Harbour in light of major changes in intermodal transportation links.
- Town of Timmins – Developed specialized software for assessing community development initiatives.
- University of Windsor SSRU/Databank – conducted several studies on the economic and social impacts of Casino Windsor, Hospital Development Initiatives and an Input Out put model for Windsor.
- Town of Banff – The Economic Benefits from Tourism
- Environment Canada – Designed LINK an Economy-Environment Model. Analysed the economics of water conservation in Halton and Waterloo, The economic and environmental impacts of Remedial action Plans in five Ontario locations, The Economics of waste management in Ontario.
- Canadian Centre for Inland Waters – Member of the Board of Experts for the International Joint Commission that oversees the allocation of water among many stakeholders on the Great lakes.
- National Round Table on the Economy and the Environment – Development socio-economic indicators of sustainability.
- Council of Ontario Universities – Analyzed the economics of optimal budget allocations and the consequences of cutting funds to universities and colleges.
- Grand Council of the CREE Indians – Helped prepare documentation on the economic impacts of large hydroelectric projects in northern fragile economies.
- Alberta Tourism , Parks and Recreation – developed a park visitation model.
- International Development Research Centre (IDRC) – I have worked on a number of projects for IDRC one involved developing an agricultural optimization model for the Palestinians. The other on compensation regimes for refugees.
- Department of External Affairs – participated as a speaker in seminar on the Iraq's war consequences and in several expert meetings on peace in the Middle East. I also participated in the joint Canadian French Dialogue with the Muslim World.

- A.T. Kearney – the economic impacts of building a railway tunnel between Windsor and Detroit.
- Ministry of Consumer and Commercial Relations – prepared a report on the economic feasibility and consequences of promoting a biotech corridor between Quebec City and Windsor.
- City of Windsor – developed a number of studies on the impact of the casino and slots at the track in Windsor.
- Pricewaterhouse Coopers – I participated with PWC on over 30 projects varying from real estate projects, to power generation, to gaming impacts, to market feasibility studies to the impacts and economic contributions of universities and cost/benefit analysis of new drugs, to the economic impact of the Canadian Wheat Board and the Canadian Bid for Expo 2015.
- KPMG – I participated in over 10 projects with KPMG on gaming impacts, market feasibility of large projects and the economic impact of airports.
- Ontario Federation of Anglers and Hunters – Prepared a report on the economic impact of hunting and angling expenditures in both Ontario and Alberta.
- International Institute for Sustainable Development- Development of a suite of sustainability indicators
- Alberta Economic Development and Tourism – I have been involved on a continuous basis with the Ministry. This includes studies on the economics of tourism in Alberta, developing two impact and feasibility systems, preparing studies on international sport events, heritage facilities, large malls, the Rockies, etc.
- Heathmount A.E. Corporation – Conducted market, feasibility studies, impact studies and financial pro forma on a number of large projects in New York, Toronto, Germany and the US.
- TransAlta Utilities Corporation – reported on the economics of power generation, power efficiency and privatization.
- Department of Natural Resources: Canadian Forest Service – analyzed the forestry impacts on native communities and small communities.
- Lake Abitibi Model Forest Communities – developed an Internet Base Community Impact Model.
- Deloitte and Touche – Jointly worked on the economics of tobacco and horse breeding in Ontario.
- Alberta Community Development – Conducted several studies on the economics of the arts, book publishing, the film industry and theatres.
- Department of Planning, Abu Dhabi, UAE – Trained staff on project evaluation and project cycle development.
- Office of H.H.The President of the UAE. – developed a planning model that integrates economic and demographic norms.
- Ministry of Agriculture and Rural Affairs – Developed an Intranet system of impact models that apply to local areas.
- United Nations, Development Program-Regional Bureau- Arab States. Participated in the preparation of the three prize winning Arab Human

Development Reports.

- Arab Monetary Fund – participated in the annual meetings of the Arab Monetary Fund and the IMF and prepared a study on the appropriate exchange regime for Lebanon and commented on the Moroccan Exchange Rate Regime.
- Verdiroc Corporation – Prepared a number of real estate commercial viability studies.
- International Monetary Fund – lectured, trained and prepared studies on globalization impacts.

Publications:

A. Articles (Sample List):

"Sectoral Characteristics of the Ontario Structure of Production", *Ontario Economic Review*, Special Issue, February, 1972. (with R. Frank)

"Import Structure of Lebanon: A Quantitative Analysis", *Journal of Developing Areas*, (October, 1974), pp. 87-98.

"Programming Models of Government Expenditures", *Public Finance*, Volume XXVIII, No. 1, 1973, pp. 84-94. (with F. Jones).

"Evaluating the Differential Impact of Government Expenditures Classified by Department", *Socio-Economic Planning Sciences*, Volume 8. 1974, pp. 101-108.

"Differential Impact of Government Expenditure Programs", *Public Finance Quarterly*, Volume 3, No. 2, (April, 1975), pp. 131-151 (with R. Frank).

"Sub-Provincial Regional Income Multipliers in the Ontario Economy: An Input-Output Approach", *Canadian Journal of Economics*, Volume VIII, No. 1, (February, 1975), pp. 67-92 (with J.R. Williams and P.J. George).

"Induced Adjustments and the Role of Agriculture in Economic Development: A Case Study of Egypt and Syria", in *Technology, Transfer and Change in the Arab World*, (ed. A.B. Zahlan), Oxford: Pergamon Press, pp. 293-316 (with S. Ahmad).

"Optimal Utilization of Oil in Economic Development: A Case Study of Nigeria", in *Simulation, Modelling and Decisions in Energy Systems*, (M.B. Carver and M.H. Hamza, eds.), Anaheim: Acta Press, 1978, pp. 393-397.

"Indexing and the Unemployment, Inflation Trade-Off", *Journal of Macroeconomics*, Volume 3, No. 2, (Spring, 1981), pp. 227-245 (with D. Butterfield).

"Performance Under the Plan: A Comment", in Papers and Proceedings of the McMaster Conference on Current Problems on Socialist Economics, 1971, pp. 90-92.

"OPEC Optimal Production Strategies", in *Simulation, Modelling and Decisions in Energy Systems*, (M.B. Carver and M.H. Hamza, eds.), Anaheim: Acta Press, 1979 (with D.W. Butterfield and J. Jideonwo).

"Input-Output Tables for Ontario", in (John Bossons ed.), *Input-Output Analyses of Fiscal Policy in Ontario*, Ontario Economic Council, 1978, pp. 31-36.

"Ontario Government Expenditures by Industry", in (John Bossons ed.), *Input-Output Analyses of Fiscal Policy in Ontario*, Ontario Economic Council, 1978, pp. 55-66.

"Ontario Regional Wages and Value Added by Industry", in (John Bossons ed.), *Input-Output Analyses of Fiscal Policy in Ontario*, Ontario Economic Council, 1978, pp. 67-72.

"Differential Income and Employment Multipliers of Ontario Government Expenditures", in (John Bossons ed.), *Input-Output Analyses of Fiscal Policy in Ontario*, Ontario Economic Council, 1978, pp. 73-82.

"Differential Sub-Regional Impact of Ontario Provincial Government Expenditures", in (John Bossons ed.), *Input-Output Analyses of Fiscal Policy in Ontario*, Ontario Economic Council, 1978, pp. 123-156.

"How Efficient Are Ontario Government Expenditures", in (John Bossons ed.), *Input-Output Analyses of Fiscal Policy in Ontario*, Ontario Economic Council, 1978, pp. 157-182.

"Arab Economic Prospects in the 1980's", *IPS Occasional Paper No. 8*, July, 1980.

"Vocational and Technical Education and Development Needs in the Arab World", in (N. Sherbiny ed.), *Manpower Planning in the Oil Countries*, Greenwich, Connecticut: JAI Press, 1981, pp. 91-108.

"A Macroeconomic Simulation Model of High Level Manpower Requirements in Iraq", in (N. Sherbiny ed.), *Manpower Planning in the Oil Countries*, Greenwich, Connecticut: JAI Press, 1981, pp. 145-171 (with G.T. Abed).

"The Interest Rate and the Economy", an Appendix to Chapter Six of Edward Ames' *Income and Wealth*, Holt, Rinehart and Winston, 1969, pp. 195-203.

"Canada and the Arab World: Economic Relations with the Arab East", in *Canada and the Arab*

World, (T. Ismael, ed.), The University of Alberta Press, 1984.

"Errors in Regional Non-Survey Input-Output Models: Analytical and Simulation Results", *Journal of Regional Science*, (August, 1981) pp. 321-339 (with Se Hark Park and M. Mohtadi).

"Arab Agricultural Productivity: Prospects and Problems", Proceedings of the 1981 Symposium of the Centre For Contemporary Arab Studies, Georgetown University on *Arab Resources: The Transformation of a Society*, (I. Ibrahim, ed.), Croom Helm, 1982, pp. 71-101.

"The Energy Constraint and Development: Consistency and Optimality Overtime", *Energy Economics*, Vol. 5, No. 1, (January, 1983) pp. 9-15 (with Hark Park).

"Regional Equity and Efficiency: Some Experiments For Canada", *Journal of Regional Science*, Vol. 23, No. 3, (September, 1983), pp. 397-411 (with R. Aziz and D. Butterfield).

"Investment Planning and Industrialization in the Syrian Arab Republic: A Simulation Exercise", *Industry and Development*, No. 6, 1981, pp. 65-86 (with D. Butterfield).

"An Econometric Model For Syria, 1961-1981" United Nations, Economic Commission For Western Asia, 1982. (with Se Hark Park)

"The Lima Target: An Analytical Re-consideration", *Journal of Development Economics*. 1982 (with Se Hark Park).

"Industrialization in the Arab Gulf States: A Ruhr without Water", in *Prospects For the World Oil Industry* (Tim Niblock and Richard Lawless, eds.; London: Croom Helm, 1985), pp. 42-66.

"Labour Mobility and Economic Efficiency: Lessons from Canada", in *Modelling and Simulation*, Vol. 14, Part 3, 1983, pp.382-401 (with D.W. Butterfield).

"Inter-regional and Inter-sectoral Fiscal Policy", in *Modelling and Simulation*, Vol. 15, Part 1, 1984, pp. 207-213 (with D.W. Butterfield).

"Factor Mobility and Economic Efficiency When Demand Constraints Are Binding", *Modelling and Simulation*, Vol. 16, Part 1, 1984, pp. 395-399 (with D. Butterfield).

"A Model of the Petrochemical Industry", *The Journal of Energy and Development*, Vol. 9, No. 2, 1984, pp. 299-335 (with D. Butterfield and J.D. Welland).

"The Arab Thrust into the International Arena: Pitfalls and Implications of Strategic Behaviour", *Arab Studies Quarterly*, Vol. 6, No. 1 & 2, 1984, pp. 39-69.

"The Arab Petrochemical Industry: The Strategic Options" *Arab Affairs*, Vol.4 (Winter,1987), pp. 56-65.

"Oil, Influence and Development: the Gulf and the International Economy", *International Journal*, Vol. XLI, No. 2, Spring, 1986, pp. 362-382.

"Dependency and Arab Economic Development: A Comment" in *Arab Independent Development Prospects* (Saaddin Ibrahim ed.;Beirut: Centre For Arab Unity Studies, 1987).

"The Land Constraint And The Impact Of Borrowing Agricultural Technology: An Evaluation" *Asian Economic Review*, Vol. XXIV, No.3 (December 1987), pp. 1-16. (with V.Upadhyay and D. Butterfield).

"Measuring Economic Stimulation From Capital Investment in Transportation" *Transportation Research Record*, 1197 (1988), pp. 109-127 (several co-authors).

"Jobs, Education and Development: The Case of the West Bank" in *The Palestinian Economy* (George Abed ed.; London: Routledge, 1988) pp. 223-244.

"Transport Impact Model (TRIM) And Its Application To Financial Decisions" Proceedings of the 1988 Annual Conference, Roads and Transportation Association of Canada (RTAC) pp. B19-B39 (several co-authors).

"Economic Impacts of Wide Area Vehicle Monitoring System" Ministry Of Transportation, Government of Ontario, 1988 (with Butterfield and Kazakov).

"Banker's Preferences and Monetary Control" *Economie Appliquee*, tome XLI-1988, No. 1, pp. 109-127. (with D. Butterfield).

"Oil And The Iraqi Economy" *Arab Studies Quarterly*, Vol. 10, No.3 (Summer 1988), pp. 283-298.

"Imitation, Adaptation and Innovation: The Costs of Developing Domestic Technological Capability" *Industry and Development*, Vol. 26, 1989, pp. 83-88. (with S. Ahmad).

"Palestinian Losses An Overview" in *Palestinian Rights and Losses in 1948:A Comprehensive Study* (Sami Hadawi, London:Saqi Books,1988) pp. 117-122.

"Alternative Assessments of Palestinian Losses: An Analytical Review" in Sami Hadawi, *ibid.*, pp. 123-136.

"German Reparation Payments and Restitution of Property to Jews" in Sami Hadawi, *ibid.*, pp. 139-142.

"The Typology of Palestinian Losses: A Re-evaluation" in Sami Hadawi, *ibid.*, pp. 147-159.

"Valuation of Palestinian Urban and Rural Real Estate Losses" in Sami Hadawi, *ibid.*, pp.

161-182.

"Palestinian Losses: A Final Balance Sheet." in Sami Hadawi, *ibid.*, pp. 183-188.

"The Emergence Of Petrochemical Production in the Arab World." *Industry and Development*, Vol.27, 1989, pp. 31-44 (with Abouezze and Butterfield).

"Recycling, Reducing and Reusing: A Theoretical Framework" in Proceedings of the Technology Transfer Conference, Challenge of A New Decade, Ministry of the Environment, November, 1990, pp. 765-774. (with D.W. Butterfield).

"Economy-Environment Linkages: Models of Sustainable Development" Proceedings of the Technology Transfer Conference, Ministry of the Environment, 1991. (With Jack Donnan).

"Reconstructing or Reconstituting the Lebanese Economy: The Role of Infrastructural Development." in P. Khoury and S. Khalaf (eds.) *Recovering Beirut: Urban Design and Post-War Reconstruction* (Leiden: E.J. Brill Press, 1993).

"Labour Mobility, Economic Adjustment and Development: What is Unique about Lebanon?" in R. Eckaus (ed.); *Labour Mobility in the Middle East*. MIT Press. 1992.

"The Litani River: Elixir for Economic Development of Lebanon" *Ecodecision*, No. 6, September 1992, pp. 55-59 (with H. A. Amery).

"Structural Change and Economic Development of Egypt Between Planning and The Open Door Policy" *Industry and Development*, No. 33, 1993, pp. 1- 41. (with M.A. Elkhafif).

"The Litani River Basin: The Politics and Economics of Water." *The Beirut Review*, No. 3, Spring 1993, pp. 95-107 (with H.A. Amery).

"The Demand for Gasoline: A Two Stage Approach" *International Journal of Forecasting*, Vol. 9 (1993) pp. 457-465. (with M. Elkhafif).

"The Economic Impact of Recycling in Ontario and Regions" *Canadian Journal of Regional Science*, Vol. XVI:3, Autumn 1993, pp. 413-431 (with D.W. Butterfield).

"The Economic Impact of Natural Resources Management and Extraction" *Analytical Approaches to Resource Management, Proceedings of the First Annual Symposium*, 1993, Queens Printer for Ontario, pp. 96-116 (with S.J. Spencer).

"Recycling, Reducing and Reusing: A Theoretical Framework" in Proceedings of the Technology Transfer Conference, Challenge of A New Decade, Ministry of the Environment, November, 1990, pp. 765-774. (with D.W. Butterfield).

"Economy-Environment Linkages: Models of Sustainable Development" *Proceedings of the Technology Transfer Conference*, Ministry of the Environment, 1991. (With David Butterfield).

"The International Thrust of the Intifada" in G. MacQueen ed.; *Unarmed Forces* (Toronto: Samuel Stevens, 1992) pp.104-11.

"A New World Order or an American Century" *Arab Studies Quarterly*, Vol. 15, Number 1 (Fall 1993), pp.1-16. (with S. Mansur).

"How Strong is Weak Sustainability?" *Economie Appliquee*, Vol. XLVIII:2, 1995, pp. 75-94 (with P. Victor and E. Hanna).

"Sustainable Development Potential and Other Benefits from Restoration, Enhancement and Protection of Watersheds" *International Symposium on Models of Sustainable Development*. Paris, France March 16-18, 1994, Vol. 1, PP. 387-402. (with Peter Stokoe, D.W. Butterfield, and Murray Trott).

"Conservation Strategies Through Pricing". *Proceedings of the American Water Works Association, Water Resources, 1996 Annual Conference*, PP. 545-551. (with David Butterfield, M. Zegarec and K. Schaefer).

"Comparing The Economic Benefits of Water Demand and Supply Management". *Proceedings of the American Water Works Association, Water Resources, 1996 Annual Conference*, PP. 579-586. (with David Butterfield, M.Zegarec and K. Schaefer).

"The Economics of Peace: The Arab Response" *Industrial Strategies and Policies Managerial and Entrepreneurial Skills Under Conditions Of Global and Regional Change*. ESCWA, FFS and ERF. 1996. pp. 291-302.

From Sykes Picot Through Bandung to Oslo: Wither The Arab World. *Arab Studies Quarterly*, Fall 1996, pp 1-22 (with Salim Mansur).

Water Scarcity, Water Wars, or Dry Peace in the Middle East. *Water and Dispute Prevention: South Perspectives*. Centre for Global South Reports and Papers. American University, Washington, D.C., 1998 No. 19. PP.17-28 (with Jad Isaac).

Arab Integration After Oslo. in M. Hudson, ed.; *The Middle East Dilemma: The Politics and Economics of Arab Integration*. New York: Columbia University Press, 1999, PP. 299-319.

Measuring the Returns on Tourism Advertising. *Journal of Travel Research*. Vol. 37, (August 1998). Pp.12-20. (With D. Butterfield and K. Deal).

Water Scarcity, Water Wars, or Dry Peace in the Middle East. *Water and Dispute Prevention:*

South Perspectives. Centre for Global South Reports and Papers. American University, Washington, D.C., 1998 No. 19. PP.17-28 (with Jad Isaac).

Reconstructing the Economy of Lebanon. *Arab Studies Quarterly*. Vol. 21, No. 1 (Winter 1999), Pp. 69-96.

Economic Exchange Under Asymmetrical Options: The Challenge of Peace with Israel in *Impact of the Peace Process on Selected Sectors* (Beirut: Economic and Social Commission for Western Asia, Economic Research Forum, 1999). Pp 115-156.

The Environment and Arab Sustainable Development? A Keynote Address in *New Economic Developments and their Impact on Arab Economies*. (Ahmad Al-Kawaz, ed., Amsterdam North-Holland, 1999). Pp 407-444.

Water, The Environment and Sustainable Development. *Journal of Development and Economic Policies*. Vol 1, No.2, June 1999, PP.7-37.

Economic Development Under Globalisation: The Role of Human Resources. (Exeter University. Centre for Gulf Studies.1999).

The Potential For Agricultural Development in Palestine: A Dynamic Multi-region Optimization Model (ASAP). 1999.

Sustainable Human Development Under Globalisation. Human Development Studies Series No.10. United Nations. 1999.

A Policy Matrix for Agricultural Policy in Lebanon. United Nations. ESCWA. 2000.

“Valuing Palestinian Losses in Today’s Dollars,” in *Palestinian Refugees: The Right of Return* N. Aruri (ed.) (London: Pluto Press, 2001), PP. 217-251.

“The Arab Economy in Western Eyes,” in *Revising Culture: Reinventing Peace* N.Aruri and M Shuraydi (eds.) (New York: Olive Branch press, 2001), PP.134-158.

“Transition from the Old to the New Economy” in *Review of Industrial Strategies and Policies: Preparing for the Twenty-First Century*. (United Nations. New York, 2002. PP. 31-55).

“Revisiting the Role of the State in Economic and Social Development” *Al Mustaqbal Al Arabi*, Vol. 282 (August 2002) PP. 53-78.

“Iraq: A Strategy for Reconstruction Under Crisis Conditions.” *Al Mustaqbql Al Arabi*, Vol. 295. No.9, September 2003, pp.46-67. (with Ali Kadri).

“Valuing Palestinian Losses in Today’s Dollars,” *Palestinian Refugees: The Right of Return* N. Aruri (ed.) (London: Pluto Press, 2001), PP. 217-251.

“The Arab Economy in Western Eyes,” in *Revising Culture: Reinventing Peace* N. Aruri and M. Shuraydi (eds.) (New York: Olive Branch press, 2001), PP.134-158.

“Oil and Water Never Mix Except in the Arab World” in *Arab Economic Concerns*. T. Kanaan (ed.;;) Beirut: Centre of Arab Unity Studies, 2001, PP. 187-206.

“Crises in Economic Theories, Models and Methodology” *Al Mustaqbal Al Arabi* , Vol. 274 (December 2001) PP. 30-56.

“Development Perspectives on and a Decision Support System for Aboriginal Community- Based Economies: The Case of Moose Cree First Nation, Northern Ontario.” Natural Resources Canada, Northern Forestry Centre, Information Paper NOR-X-390. 2003. (with A. Ghebremichael).

“A Development Strategy for Post-War Iraq.” *Issues in Economic and Social Reconstruction*. United Nations, July 2003.

“A Note on Environmental Technologies and Economic Growth.” *Social Affairs*. 2004.

“Water Crises, The Environment and Arab Sustainable Development” In *Palestinian and Israeli Environmental Narratives*. Stuart Schoenfeld, ed; Toronto: Centre for International Security Studies. 2005, pp. 31-47.

“The Role of Transportation in Trade Competitiveness: Understanding the Context Through Quantitative Measures.” *Old Foundations and Modern Challenges*, Proceedings of the 40th Annual Conference of the Canadian Transportation Research Forum, May 8-11, 2005, pp. 158-171.

“The Economics of Migration Under Globalization.” *International Migration and the Millennium Development Goals*. United Nations, 2005, pp. 155-168 (with Madona Mokbel).

If Oil Is So Scarce Why Are Arabs So Weak. In *Arab Development Horizons*. Nader Fergani and Taher Kanaan (eds). 2005, pp.126-154. (Arabic).

Oil and the Global Economy. In “The Iraq War Causes and Consequences .Rick Fawn and R. Hinnebusch (eds). Lynne Rienner Publishers. 2005, Pp.210-123.

“Water Scarcity and Water Wars in the Middle East”. In *Water: Global Common and Global Problems*. Velma Grover (ed).Oxford and INH Publishing Co., 2005, Pp.617-646.

B. Books, Monographs and Reports (Samples Only).

Cooperation and Development in the Energy Sector (London: Croom Helm, 1985) edited with T. Naylor.

The Economics of the Arabian Gulf: A Statistical Source Book, London: Croom and Helm, 1984.

Oil, Industrialization and Development in the Arab Gulf States, London: Croom and Helm, 1984.

Economic Consequences of the Camp David Agreements, Beirut: Institute for Palestine Studies, 1981.

A Simulation Model of the Iraqi Economy: The Forecasting Methodology, Arab Projects and Development, 1975.

The Translation of National Socioeconomic Objectives Into Manpower Requirements, APD, 1975 (with Rosemary Said).

Manpower Planning in Iraq, APD, 1975.

High Level Manpower and Economic Activity, APD, 1975.

Admissions and Transitions Within the Iraqi Educational System, APD, 1975.

The Economic Impact of Tourism in Ontario and Regions 1976, Ministry of Industry and Tourism, December, 1978.

The Future Structure of the Lebanese Industrial Sector: A Quantitative Analysis, United Nations: Economic Commission for Western Asia, June, 1978.

A Framework for a Study on Effective Tariff Protection for Lebanon, United Nations: Economic Commission for Western Asia, October, 1978.

Long Term Prospects of Industrial Development in Saudi Arabia, United Nations Industrial Development Organization, January, 1979.

Long Term Prospects of Industrial Development in Syria, United Nations Industrial Development Organization, October, 1979 (with Ayman Midani).

Industrialization in the Arab World: Options and Strategies Year 2000, Joint ECWA/UNIDO Industry Study, January, 1980.

Long Term Prospects of Industrial Development in Kuwait, United Nations, Joint

ECWA/UNIDO Study, May, 1980.

The Economic Impact of Energy Conservation in Ontario and Regions, Ministry of Energy, Ontario Government, January, 1985 (with D. Butterfield).

World Demand for Petrochemical Products 1985-2000, United Nations Industrial Development Organization, 1985, (with D. Butterfield and J. Welland).

The Arab Demand for Capital Goods 1980-2000, UNIDO, 1984 (with D. Butterfield).

A Computable General Equilibrium Model for the Arab Republic of Yemen, ESCWA, 1985.(with Se hark Park)
Industrial Development in the Sudan, UNIDO, 1986.

The Economic Impact of Provincial Park Expenditures in Ontario, 1979, February, 1981 (with D. Butterfield).

The Economic Impact of Wildlife Activity in Ontario, 1980, March, 1982 (with D. Butterfield).

Middle East Trade in Engineering Products and Ontario's Export Prospects, 1983.

The Economic Impact of Ontario Tourism Expenditures 1984, July, 1985.

General Economic Stimulation and Energy Indicators For Capital investment Initiatives in Various Transportation Modes. 1988 Ministry of Transportation. (Several Co-authors).

The Economic Impact of Tourism in Ontario, 1988 . Ministry of Tourism and Recreation.

The Economic Impact of Tourism in Northern Ontario,1988. Ministry of Tourism and Recreation.

Tourism Macroeconomic and Regional Impact Model. Ministry of Tourism and Recreation. December, 1989.

Developing an Overall Framework for Evaluating and Communicating the Impacts of Capital Spending to Central Agencies. December, 1989. (several authors).

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