

## SHANTAYANAN DEVARAJAN

Georgetown University  
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### EDUCATION

Ph.D., Economics, June 1981, University of California at Berkeley  
M.A., Economics, June 1976, University of California at Berkeley  
A.B., Mathematics, June 1975, Princeton University

### EXPERIENCE

Georgetown University	
Professor of the Practice of International Development	2019-
Edmund A. Walsh School of Foreign Service	
The World Bank	
Senior Director, Development Economics	2017-2019
Chief Economist	
Middle East and North Africa	2013-2017
Africa	2008-2013
South Asia	2004-2008
Human Development	2000-2003
Research Manager	
Development Research Group	1994-2000
Principal Economist	
Development Research Group	1991-1994
Harvard University	
John F. Kennedy School of Government	
Associate Professor of Public Policy	1984-1991
Assistant Professor of Public Policy	1980-1984

## AWARDS, FELLOWSHIPS AND GRANTS

Flood Fellowship, University of California, Berkeley, 1975–1976.  
International Economics Fellowship, Ford Foundation, 1979–1980.  
Research Grant from U.S. Department of Energy on “Energy and Security,” 1982–1984.  
Robert S. McNamara Fellowship, World Bank, 1987–1988.  
Research Grant from U.S. Agency for International Development on “Microeconomic efficiency and macroeconomic stabilization,” 1990–1991.  
Docteur d’honneur en gestion, l’Université de Sherbrooke, 2022.

## PUBLICATIONS

### **Books:**

*The Oxford Companion to the Economics of Africa*, Oxford University Press, 2012 (co-edited with E. Aryeteey, R. Kanbur and L. Kasekende)  
*The Politics of Service Delivery in Democracies*, Expert Group on Development Issues, 2007 (co-edited with I. Wiglund)  
*Making Services Work for Poor People*, World Development Report 2004, World Bank and Oxford University Press, 2003 (with J. Ahmad, D. Filmer, J. Hammer, L. Pritchett, R. Reinikka, S. Shah and A. Soucat)<sup>#</sup>  
*World Bank Economist’s Forum*, World Bank, 2002 (co-edited with H. Rogers)  
*Aid and Reform in Africa*, World Bank, 2001 (co-edited with D. Dollar and T. Holmgren)<sup>+</sup>.  
*World Bank Economist’s Forum*, World Bank, 2001 (co-edited with H. Rogers and L. Squire).

### **Journal articles:**

“[Towards a synthesis of semi-input-output and Little-Mirrlees: A social cost-benefit analysis with multiplier effects of an irrigation project in northwest Malaysia.](#)” *Pakistan Development Review*, Summer 1979 (with C. Bell).  
“[Estimating the distribution of tax burdens: A comparison of different approaches.](#)” *Journal of Public Economics*, April 1980 (with D. Fullerton and R. A. Musgrave).  
“[Shadow prices and semi-input-output: A critical note.](#)” *Oxford Bulletin of Economics and Statistics*, March 1981 (with C. Bell).  
“[Hotelling’s ‘Economics of exhaustible resources’ fifty years later.](#)” *Journal of Economic Literature*, March 1981 (with A.C. Fisher).

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<sup>#</sup>Selected as a 2003 “Notable Government Document” by the American Librarian Association (ALA) and GODORT (Government Documents Round Table).

<sup>+</sup>Selected as “Outstanding Academic Title” in 2001 by *Choice* magazine.

- [“A note on network equilibrium and non-cooperative games,”](#) *Transportation Research-B*, December 1981.
- [“Exploration and scarcity,”](#) *Journal of Political Economy*, December 1982 (with A. C. Fisher).
- [“Shadow prices for project evaluation under alternative macroeconomic specifications,”](#) *Quarterly Journal of Economics*, August 1983 (with C. Bell).
- [“Evaluating participation in African monetary unions: A statistical analysis of the CFA zones,”](#) *World Development*, June 1987 (with J. de Melo).
- [“Adjustment with a fixed exchange rate: Cameroon, Cote d’Ivoire and Senegal,”](#) *World Bank Economic Review*, May 1987 (with J. de Melo).
- [“Intertemporally consistent shadow prices in an open economy: Estimates for Cyprus”](#), *Journal of Public Economics*, September 1987 (with C. Bell).
- [“Oil revenues, capital expenditures and the ‘Dutch Disease’: The case of Cameroon,”](#) *OPEC Review*, Summer 1986. Reprinted in *Energy Management Journal*, April-May 1985. (with N. Benjamin and R. Weiner).
- [“Natural resources and taxation in computable general equilibrium models of developing countries,”](#) *Journal of Policy Modeling*, Winter 1988.
- [“Trade liberalization in developing countries: Do imperfect competition and scale economies matter?”](#) *American Economic Review Papers and Proceedings*, May 1989 (with D. Rodrik).
- [“Capital mobility and computable general equilibrium models: Short-run comparative statics without apology?”](#) *Journal of Policy Modeling*, July 1989 (with E. Offerdal).
- [“Markets under price controls in partial and general equilibrium,”](#) *World Development*, December 1989 (with C. Jones and M. Roemer).
- [“Project appraisal and the foreign exchange constraint: A rejoinder,”](#) *Economic Journal*, June 1989 (with C. Bell).
- [“The ‘Dutch disease’ in a developing country: Oil revenues in Cameroon,”](#) *Journal of Development Economics*, January 1989 (with N. Benjamin and R. Weiner).
- [“Dynamic policy coordination: stockpiling for energy security,”](#) *Journal of Environmental Economics and Management*, 1989 (with R. Weiner).
- [“Should autologous blood that tests positive for infectious diseases be used or discarded? A decision analysis approach,”](#) *Transfusion*, October 1989 (with W. Dzik).
- [“Pro-competitive effects of trade reform: Results from a CGE model of Cameroon,”](#) *European Economic Review*, 1991 (with D. Rodrik).
- [“Policy lessons from trade-focused, two-sector models,”](#) *Journal of Policy Modeling*, Winter 1990 (with J. Lewis and S. Robinson).
- [“The economic impact of AIDS on an African country: Simulations with a computable general equilibrium model of Cameroon,”](#) *Journal of African Economies*, 1992. French version in *Revue d’économie du développement*, 1993 (with G. Kambou and M. Over).

- [“Effective rates of protection when foreign and domestic goods are imperfect substitutes,”](#) *Review of Economics and Statistics*, 1992 (with C. Sussangkarn).
- [“Vulnerabilidad externa, politica fiscal y ajuste macroeconomico: El case boliviano,”](#) *Analisis Economico*, 1992 (with G. Afcha, M. de Franco and E. Larrazabal).
- [“External shocks, purchasing power parity and the equilibrium real exchange rate,”](#) *World Bank Economic Review*, 1993 (with J. Lewis and S. Robinson).
- [“Prescribing strong economic medicine: Revisiting the myths about democracy, adjustment and growth in developing countries,”](#) *Comparative Politics*, 1993 (with M. Lindenberg).
- [“Introduction to the Symposium on Applied General Equilibrium Modeling,”](#) *Journal of Policy Modeling*, 1993 (Guest Editor of the Symposium with S. Robinson).
- [“The CFA Franc parity change: An opportunity to restore growth and reduce poverty,”](#) *Afrika Spectrum*, 1995 (with L. Hinkle).
- [“Preserving the CFA zone: Macroeconomic coordination after the devaluation,”](#) *Revue d’économie du développement*, 1994 (with M. Walton).
- [“Revenue-neutral tariff reform: Theory and an application to Cameroon,”](#) *Economic Studies Quarterly*, 1994 (with H. Dahl and S. van Wijnbergen).
- [“Environment and trade in general equilibrium: Theory, methodology and evidence.”](#) (discussant’s comments), *American Journal of Agricultural Economics*, 1995.
- [“The composition of public expenditures and economic performance,”](#) *Journal of Monetary Economics*, 1996 (with V. Swaroop and H. Zou).
- [“Real exchange rate misalignment in the CFA zone,”](#) *Journal of African Economies*, January 1997. French version in *Revue d’économie du développement*, September, 1997.
- [“Economic reform and labor unions: A general equilibrium analysis applied to Bangladesh and Indonesia,”](#) *World Bank Economic Review*, January 1997 (with H. Ghanem and K. Thierfelder).
- [“Labor market policies, structural adjustment and the distribution of income in Bangladesh,”](#) *Journal of Policy Reform*, 1998 (with H. Ghanem and K. Thierfelder).\*
- [“Beyond rate of return: Reorienting project appraisal,”](#) *World Bank Research Observer*, February 1997 (with L. Squire and S. Suthiwart-Narueput).
- [“The combined incidence of taxes and expenditures in the Philippines,”](#) *World Development*, June 1998 (with S. Hossain).
- [“Should public capital be subsidized or provided?”](#) *Journal of Monetary Economics*, April 1998 (with D. Xie and H. Zou).
- [“From stylized to applied models: Building multisector CGE models for policy.”](#) *North American Journal of Economics and Finance* 1999 (with S. Robinson, A. Yúnez-Naude, Raúl Hinojosa-Ojeda, and Jeffrey D. Lewis).
- [“The simplest dynamic general equilibrium model of an open economy,”](#) *Journal of Policy*

- Modeling*, 1998 (with D. Go).\*
- [“Are international agreements to regulate global warming necessary?”](#) *Advances in Economics of Energy and Resources*, 1999 (with Robert J. Weiner).\*
- [“Is investment in Africa too low or too high?”](#) *Journal of African Economies*, 2002 (with W. Easterly and H. Pack).
- [“Investment productivity in Africa: macro and micro evidence”](#) *Economic Development and Cultural Change*, 2003 (with W. Easterly and H. Pack).\*
- [“Making services work for India’s poor,”](#) *Economic and Political Weekly*, 2003 (with S. Shah)
- [“South Asian surprises,”](#) *Economic and Political Weekly*, 2004.
- [“Economic growth in South Asia: Promising, unequalizing, sustainable?”](#) *Economic and Political Weekly*, 2005 (with I. Nabi).
- [“The long-term economic impact of HIV/AIDS”](#) *World Bank Economic Review*, 2005 (with C. Bell and H. Gersbach).
- [“Human development and service delivery in South Asia,”](#) *Development Policy Review*, 2006 (with N. Chaudhury)
- [“Protecting the vulnerable,”](#) *World Bank Economic Review*, 2006 (with W. Jack).
- “Does India have an infrastructure deficit?” *India Economy Review*, 2007 (with C. Harris)
- [“Tax policy to reduce carbon emissions in a distorted economy: Illustrations from a South Africa CGE model,”](#) *The B.E. Journal of Economic Analysis and Policy*, 2011 (with D. Go, S. Robinson and K. Thierfelder).
- [“Making higher education finance work for Africa,”](#) *Journal of African Economies*, 2011 (with C. Monga and T. Zongo).
- [“Africa and the global economic crisis: Impacts, policy responses and political economy,”](#) *Africa Development Review*, 2011 (with L. Kasekende).
- [“Lost in translation,”](#) *Boston Review*, 2011 (with J. Das and J. Hammer).
- [“Africa’s statistical tragedy,”](#) *Review of Income and Wealth*, 2013
- [“Africa’s economic boom: Why the pessimists and optimists are both right,”](#) *Foreign Affairs*, 2013 (with W. Fengler)
- [“Stress-testing Africa’s recent growth,”](#) *Journal of Policy Modeling*, 2014 (with D. Go, M. Maliszewska, H. Timmer and I. Osorio-Rodarte).
- [“Budget rules and resource booms and busts,”](#) *World Bank Economic Review*, 2016 (with Y. Dissou, D. Go and S. Robinson).
- [“A broken social contract, not inequality, triggered the Arab Spring,”](#) *Review of Income and Wealth*, 2017 (with E. Ianchovichina)

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\* Denotes lead article.

- [“Si la politique est à l’origine du problème, comment des acteurs externes peuvent-ils faire partie de la solution?”](#) *Revue d’économie du développement*, 2017 (with S. Khemani)\*.
- [“Firms’ and states’ responses to laxer environmental standards,”](#) *Journal of Environmental Economics and Management*, 2019 (with Tito Cordella).
- [“Has globalization gone too far—or not far enough?”](#) *Georgetown Journal of International Affairs*, 2020
- [“Traders’ dilemma: Developing countries’ response to trade disputes,”](#) *The World Economy*, 2020 (with D. Go, C. Lakatos, S. Robinson and K. Thierfelder).
- [“Debt, growth and stability in Africa: Speculative calculations and policy responses,”](#) *Journal of African Economies*, 2021 (with I. Gill and K. Karakulah).
- [“Dutch disease and the public sector: How natural resources can undermine competitiveness in Africa,”](#) *Journal of Africa Economies*, 2022 (with J. Cust and P. Mandon).
- [“Is the Sri Lankan debt crisis a harbinger?”](#) *Foreign Affairs*, 2022 (with H. Kharas).

### **Chapters in Books:**

- “A social cost-benefit analysis of the project,” Chapter 8 in Bell, C. et al., *Project Evaluation in Regional Perspective*, 1982 (with C. Bell).
- “A social accounts matrix for the regional economy in 1972,” Chapter 5 in Bell, C. et al., *Project Evaluation in Regional Perspective*, John Hopkins Press, 1982 (with C. Bell, P. Hazell and R. Slade).
- “On measures of natural resource scarcity under uncertainty,” in V. K. Smith and J. V. Krutilla, eds., *Explorations in Natural Resource Economics*, Johns Hopkins Press: Washington, D.C., 1982 (with A. C. Fisher).
- “Appraising development plans for a small, open economy,” in *Proceedings of the Fourth IFAC - IFORS Conference*, Pergamon Press: Elmsford, NY, June 1983 (with C. Bell).
- “Stockpile behavior as an international game,” in Itteilag, R., ed., *Energy Policy*, 1983 (with R. Weiner).
- “Drawing-down the strategic petroleum reserve: The case for selling futures contracts,” in Alm, A. and Weiner, R., eds., *Oil Shock: Policy Response and Implementation*, Ballinger Press, 1984 (with R. G. Hubbard).
- “Social cost-benefit analysis in a semi-input-output framework: An application to the Muda irrigation project,” in Pyatt, G. and Round, J. eds., *Social Accounting Matrices*, Cambridge University Press, 1985 (with C. Bell).
- “Oil revenues and the Cameroonian economy,” in Zartmann, I. W. and Schatzberg, M. eds., *The Political Economy of Cameroon*, Praeger Press, 1985 (with N. Benjamin).
- “International energy cooperation: Issues in oil stockpiling,” in Tempest, P. ed, *International Energy Policy*, Cranfield Press, 1985 (with R. Weiner).

- “Extraction et exploration des ressources naturelles en situation d’incertitude,” in Gaudet, G. and Lasserre, P., eds., *Ressources Naturelles et Theorie Economique*, University of Laval Press, 1986.
- “Structural adjustment and economic reform in Indonesia: Model-based policies vs. rules-of-thumb,” in Perkins, D. and Roemer, M., eds., *Reforming Economic Systems*, Harvard University Press, 1991 (with J. Lewis).
- “Membership in the CFA zone: Odyssean journey or Trojan horse?” in Chhibber, A. and S. Fischer, eds., *Economic Reform in Sub-Saharan Africa*, World Bank (with J. de Melo).
- “The relative performance of CFA Franc Zone and Non-CFA-Franc Zone countries,” in Zartmann, I. W., ed., *Europe and Africa: A New Phase*, Lynn Reiner Press, 1991 (with J. de Melo).
- “Do the benefits of fixed exchange rates outweigh their costs? The Franc Zone in Africa,” in I. Goldin and A. Winters, eds., *Open Economies, Structural Adjustment and Agriculture*, Oxford University Press, 1992 (with D. Rodrik).
- “Growth without adjustment: Thailand, 1973–82,” in P. Mitra, ed., *Adjustment to Oil Shocks in Developing Countries*, Cambridge University Press, 1993. (with H. Sierra).
- “La degradacion de los recursos naturales y las cuentas nacionales de ingresos,” in R. Vargas S. and M. Bauer E., eds., *Mexico-Estados Unidos: Energia y medio ambiente*, Universidad Nacional Autonoma de Mexico, 1993 (with R. Weiner).
- “Cameroon’s oil boom, 1978–85,” in P. Collier and J. Gunning, eds., *Terms of Trade Shocks in Developing Countries*, Oxford University Press, 1999.
- “The theory and practice of trade reform: A public-economics perspective,” in Gary McMahon and John Whalley, eds., *Fiscal Reform and Structural Change in Developing Countries*, McMillan Press, (with A. Panagariya).
- “Simple general equilibrium modeling,” in J. Francois and K. Reinert, eds., *Trade Policy Analysis*, Cambridge University Press, 1998 (with D. Go, J. Lewis, S. Robinson, and P. Sinko).
- “Taxing bads by taxing goods: Towards efficient pollution control with presumptive charges,” in L. Bovenberg and S. Cnossens, eds., *Public Economics and the Environment in an Imperfect World*, Kluwer, 1995 (with G. Eskeland).
- “Project appraisal at the World Bank,” in C. Fitzpatrick and J. Weiss, eds., *Cost-benefit Analysis and Project Appraisal for Developing Countries*, McMillan, 1997 (with L. Squire and S. Suthiwart-Narueput).
- “Can computable general equilibrium models shed light on the environmental problems of developing countries?” in P. Dasgupta and K.-G. Mahler, eds., *The Environment and Emerging Development Issues*, Cambridge: Cambridge University Press, 1996.
- “Estimating real exchange rate misalignment with a simple general equilibrium model,” in L. Hinkle and P. Montiel, eds., *Real Exchange Rates in Developing Countries*, Baltimore: Johns Hopkins Press, 1999.
- “The implications of foreign-aid fungibility for development assistance,” in C. Gilbert and D. Vines, eds., *The World Bank: Structure and Policies*, Cambridge: Cambridge University Press, 2000 (with V. Swaroop).

- “The marginal cost of public funds in developing countries,” in Fossati, A. and W. Wiegard, eds., *Policy Evaluations with Computable General Equilibrium Models*, Routledge Press, 2001 (with K. Thierfelder and S. Suthiwart-Narueput).
- “Public spending and risk reduction,” in S. Devarajan and H. Rogers, eds., *World Bank Economists Forum*, World Bank, 2003 (with J. Hammer).
- “A macroeconomic framework for poverty-reduction strategy papers,” in F. Bourguignon and L. Pereira da Silva, eds., *The Impact of Economic Policies on Income Distribution: Evaluation Techniques and Tools*, World Bank and Oxford University Press, 2003 (with D. Go)
- “Thinking about the long-run economic costs of AIDS,” in Haacker, M. ed., *The Macroeconomics of HIV/AIDS*, International Monetary Fund, 2004 (with C. Bell and H. Gersbach)
- “The influence of computable general equilibrium models on economic policy,” in Kehoe, T., T. N. Srinivasan and J. Whalley, eds., *Frontiers in General Equilibrium Modeling*, Cambridge: Cambridge University Press, 2005 (with S. Robinson).
- “Budget support and poverty reduction in South Asia,” in Koeberle, S., Z. Stavreski, and J. Walliser, eds., *Budget Support as More Effective Aid: Recent Experience and Emerging Lessons*, World Bank, 2005 (with S. Shah)
- “Accelerating poverty reduction in South Asia by scaling up economics education and research,” in Bourguignon, F., Y. Elkana and B. Pleskovic, eds., *Capacity Building in Economics Education and Research*, World Bank, 2006 (with M. Ferro and S. Shah).
- “Decentralization and service delivery,” in Ahmad, E. and G. Brosio, eds., *Handbook of Fiscal Federalism*, Edward Elgar, 2006 (with J. Ahmad, S. Khemani and S. Shah).
- “What does aid to Africa finance?” in S. Lahiri, ed., *Theory and Practice of Foreign Aid (Frontiers of Economics and Globalization, volume 1)* Emerald Group Publishing, 2006 (with S. Rajkumar and V. Swaroop)
- “A framework for scaling up poverty reduction,” in D. Narayan and E. Glinskaya, eds., *Ending Poverty in South Asia: Ideas That Work*, World Bank, 2007 (with R. Kanbur)
- “The macroeconomic dynamics of scaling up foreign aid,” in Delfin Go and John Page, eds., *Africa at a Turning Point?* World Bank, 2008 (with D. Go, J. Page, S. Robinson and K. Thierfelder).
- “Rhetoric and reality in Bangladesh’s trade policy,” in Q. Shahabuddin and R. I. Rahman, eds., *Bangladesh: Development Experience and Emerging Challenges*, Bangladesh Institute of Development Studies, 2009 (with Z. Sattar).
- “The politics of partial decentralization,” in Ahmad, E. and G. Brosio, eds., *Does Decentralization Enhance Service Delivery and Poverty Reduction?* Edward Elgar, 2009 (with S. Khemani and S. Shah)
- “Africa: Leveraging crisis response to tackle development challenges,” in Canuto, O. and M. Giugale, eds., *The Day After Tomorrow: A Handbook on the Future of Economic Policy*, World Bank, 2010 (with S. Shetty)
- “Government failure and poverty reduction in the CEMAC,” in Akitoby, B. and S. Coorey, eds., *Oil Wealth in Central Africa: Policies for Inclusive Growth*, International Monetary Fund, 2012 (with R. Singh)



- “The contribution of computable general equilibrium models to policy formulation in developing countries,” in Dixon, P. and D. Jorgensen, eds., *Handbook of Computable General Equilibrium Modeling*, 2013 (with S. Robinson).
- “Resolving the Arab-Spring Paradox,” in Basu, K. and J. Stiglitz, eds., *Inequality and Growth: Patterns and Policy*, Palgrave Macmillan, 2016.
- “If politics is the problem, how can external actors be part of the solution?” in Basu, K. and T. Cordella, eds. *Institutions, Governance and the Control of Corruption*, Palgrave Macmillan, 2018 (with S. Khemani).
- “How to use oil revenues efficiently,” in Mohaddes, K., J. B. Nugent and H. Salim, eds., *Institutions and Macroeconomic Policies in Resource-rich Arab Economies*, Oxford University Press, 2019.

### **Policy Papers:**

- “Stockpiling: A review of the issues,” in Hogan, W., ed., in *Oil Stockpiling: An International Perspective*, Putnam, Hayes and Bartlett: Cambridge, MA, June 1981.
- “In search of a five-year plan for the Republic of Cyprus: Experiments with a dynamic semi-input-output model,” World Bank Working Paper No. 672-38-1, April 1982 (with C. Bell).
- “Output, foreign borrowing and shadow prices in a growing economy: A dynamic linear programming model of Cyprus,” World Bank Working Paper No. 672-38-2, July 1983 (with C. Bell).
- “Natural resource extraction and exploration under uncertainty,” Discussion Paper No. E-83-08, Energy and Environmental Policy Center, Harvard University, July 1983.
- “Une matrice de comptabilité sociale du Cameroun, 1979–80,” October 1983 (with N. Benjamin).
- “[Oil revenues and economic policy in Cameroon: Results from a computable general equilibrium model](#),” World Bank Staff Working Paper No. 745, March 1985 (with N. Benjamin).
- “Models of adjustment and growth in developing countries,” paper presented at the 25th Anniversary of the West African Monetary Union, Dakar, Senegal, October 1987.
- “La politique fiscale,” in Guillaumont, P., ed., *Politique Economique et Commerce Exterieur au Mali*, CERDI, Clermont-Ferrand, 1989.
- “Optimal foreign borrowing by Korea,” mimeo, Harvard University, 1986.
- “Transferring policy-analytic capability to Sub-Saharan Africa: A case study,” mimeo, Harvard University, 1987.
- “Modelling Bolivia,” mimeo, Harvard University, 1987.

### **Working Papers:**

- “The shadow price of natural gas,” October 1984 (with R. Martin and S. van Wijnbergen).

- “Implementing a computable general equilibrium model on GAMS: The Cameroon model,” Development Research Department, Discussion Paper No. 290, World Bank, 1986 (with T. Condon and H. Dahl).
- “National income accounting and natural resource depletion,” mimeo, Harvard University, 1988 (with R. Weiner).
- “Why the Sandinistas lost: Coffee, hyperinflation and the black market for foreign exchange in Nicaragua,” mimeo, Harvard University, 1990 (with R. Weiner).
- “Determinants of inflation in the Franc Zone in Africa,” Policy Research Working Paper, World Bank, 1992 (with B. Boccard).
- “Why the welfare gains from trade liberalization are so small,” mimeo, World Bank (with Timothy S. Buehrer).
- “Public policy, economic structure and the distribution of income in South Africa,” mimeo, World Bank (with D. van der Mensbrugghe).
- “The Whys and Why Nots of Export Taxation,” Policy Research Working Paper 1684, 1996 (with D. Go, M. Schiff, and S. Suthiwart-Narueput).
- “Aid dependence reconsidered,” Policy Research Working Paper 2144, 1999 (with J.-P. Azam, and S. O’Connell).
- “Quantifying the fiscal effects of trade reform: A general equilibrium model estimated for 60 countries,” World Bank Policy Research Working Paper 2165, August 1999 (with D. Go and H. Li).
- “The framework paper on political economy of growth in Africa,” mimeo, 2000 (with R. Bates).
- “Development Goals: History, prospects and costs,” Policy Research Working Paper, 2002 (with M. Miller and E. Swanson).
- “Unleashing Sri Lanka’s Potential,” Public Lecture at the Central Bank of Sri Lanka, 2006
- “Is climate change a threat or an opportunity for Africa?” paper presented at the 20<sup>th</sup> anniversary conference of the Africa Economic Research Consortium (with A. Bouzaher and B. Ngo)
- “What can Sri Lanka and Africa learn from each other?” Inaugural address at the Annual Meeting of the Sri Lanka Economic Association
- “Direct redistribution and taxation in oil-rich economies: A proposal,” 2011 (with H. Ehrhart, T. Le and G. Raballand)
- “Avoiding the fragility trap in Africa,” 2012 (with N. Andriamihaja and M. Cinyabiguma).
- “Lifting economic sanctions on Iran: Global effects and strategic responses,” Policy Research Working Paper No. 7549, 2016 (with E. Ianchovichina and C. Lakatos).
- “The lack of productive employment in the Middle East and North Africa: A comparison with East Asia,” Economic Research Forum Policy Perspective, 2018 (with H. Pack).

## Reviews:

Partha Dasgupta, “The Control of Resources,” in *Growth and Change*, Spring 1984.

Alejandro Foxley, Michael S. McPherson, and Guillermo O’Donnell, eds. Development, democracy and the art of trespassing: Essays in honor of Albert O. Hirschmann, in *Journal of Economic Literature*, June 1988.

David Newbery and Nicholas Stern, “The Theory of Taxation for Developing Countries,” in *Journal of Development Economics*, September 1990.

Christopher Adam, Paul Collier and Njuguna N’dungu, eds. “Kenya: Policies for Prosperity,” in *Economic Development and Cultural Change*, 2012.

Bruce Greenwald and Joseph Stiglitz, “Creating a Learning Society,” in *Finance and Development*, 2015.

Brian Pinto, “Economic Advice through Storytelling,” in *Economic and Political Weekly*, 2015.

Ishac Diwan and Ahmed Galal eds., “The Middle East Economies in Times of Transition,” in *Middle East Development Journal*, 2016.

Muna Ndulo and Machiko Nissanke, eds. “Poverty Reduction in the Course of African Development,” in *Journal of Economic Literature*, 2018.

## PROFESSIONAL ACTIVITIES

Member, Presidential Advisory Group on Multilateral Engagement and Debt Sustainability, Sri Lanka, 2022-

Board of Directors, African Economic Research Consortium, 2021-

Advisor, Minister of Finance, Maldives, 2020-

Member, Virtual Economic and Social Transformation Team, Ebony Center, South Sudan, 2019-

Non-resident Fellow, Center for Global Development, 2019-

Economic Advisory Council, Millennium Challenge Corporation, 2019-  
Chair, 2021-

Board of Directors, Global Development Network, 2017-  
Vice-Chair, 2019-

Board of Trustees, Overseas Development Institute, 2017-

Board of Directors, African School of Economics 2017-

Member, Policy Research Institute, Bangladesh

Nonresident Senior Fellow, National Council for Applied Economic Research, India

Member, Pathways for Prosperity Commission, Oxford University, 2017-19

Board of Directors, Economic Research Forum, 2013-2017

Visiting Professor, University of Witwatersrand, South Africa, 2010-2014

Board of Directors, African Economic Research Consortium, 2008-13

Editorial Board, *World Bank Economic Review*, 2008-2011

Member, Expert Group on Development Issues, Swedish Ministry of Foreign Affairs, 2003-6

Board of Directors, Economics Institute of the American Economic Association and University of Colorado, Boulder, 1991-2001

Editor, *World Bank Research Observer*, 1999-2007

Co-editor, *World Bank Research Observer*, 1991–1999

Associate Editor, *Journal of African Economies*, 1992-2008

Associate Editor, *Journal of Policy Reform*

Scientific Committee, *Revue française de développement*

Associate Editor, *Development Southern Africa*, 1997-2000

Associate Editor, *Journal of Development Economics*, 1990-1995

Visiting Professor, CERDI, Université d’Auvergne, Clermont-Ferrand, France

Program Committee, International Conference on African Economic Issues, 1992, 1994

Scientific Committee, Réseau sur les politiques industrielles et les incitations sectorielles en Afrique de l’Ouest et du Centre, 1989–1992

Visiting Committee, C.R.D.E., University of Montreal, 1990

Board of Directors, Massachusetts Photovoltaic Commission, 1986–1990

Editorial Board, *Energy Journal*, 1985–1988

Associate Editor, *Public Policy*, 1980–1981

Chair, Two-Year Programs Admissions Committee, Harvard Kennedy School, 1987–1990

Faculty Member, Workshop on Macroeconomic and Food Policy Interactions, Harvard Institute for International Development, Summer 1990, 1991

Consultant to Harvard Institute for International Development on macroeconomic policy in Thailand, Indonesia and Bolivia, 1986–1991.

Visiting Lecturer, Instituto Centroamericano de Administration de Empresas (INCAE), Alajuela, Costa Rica, June 1988

Faculty Member, Summer School on Applied General Equilibrium Modelling, International Institute for Applied Systems Analysis, Vienna, Summer 1986, 1991

Consultant to U.S. Agency for International Development on “Improving the teaching of economics in Indonesia,” July 1982