**Sujata N Gamage**

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Sujata Gamage, PhD MPA, specializes in data analytics for public policy, including institutional research, performance evaluations, scoping studies and systematic reviews; using statistical methods and simulations; with a focus on education, ICT in education, research, research networks and public sector performance. She is currently the Team Leader of the Human Capital Research Program at LIRNEasia, a regional think tank based In Colombo, Sri Lanka. She contributes to weekly newspaper columns in [English](http://www.ft.lk/sujata-gamage) and [Sinhala](https://sujata.wordpress.com/selects/) on human capital issues and she also serves as knowledge mapping consultant to ‘Communication Policy Research South or CPRsouth’ which is an initiative to identify and foster policy intellectuals in emerging Asia.

Sujata’s service in government includes serving as the administrator for research programs at Ohio Board of Regents, USA; consultant to the University Grants Commission of Sri Lanka, and the director general of the Tertiary and Vocational Commission of Sri Lanka. She has also worked as a strategic planning specialist at the Ohio State University, USA, and analytic director at QRC international, a private consulting company in Bethesda USA. Sujata’s career in science includes time as a member of the faculty in the University of Colombo and as a researcher at the Ohio State University.

During her tenure as the Director General of the Tertiary and Vocational Education Commission of Sri Lanka, she led the implementation of an ADB funded project on a national vocational qualification framework for Sri Lanka. As the analytic director of a team of consultants at QRC Macro International in Bethesda, Maryland, USA, she was a part of a team responsible for conducting and reporting on science resources for the US National Science Foundation. As a strategic Planning Specialist at the Ohio State University, USA, she developed the graduate education and research component of the academic quality scorecard for that university.

Sujata’s recent public service work includes assisting the Federation of Sri Lankan Local Government Authorities (FSLGA) for building capacity of councillors and administrators (2011), Ministry of Education in Eastern Province to develop a strategic plan for education in the province (2013-2014), and Department of Elections with data and analysis in support of electoral reforms discourse (2015). She has also served as a member of the Standing committee on Tertiary and Technical Education at the National Education Commission of Sri Lanka and a member of the Human Resource Committee of the Ceylon Chamber of Commerce.

Sujata holds PhD in chemistry from the University of British Columbia and a subsequent Master’s in Public Administration from the Ohio State University of USA.

**Education**

* Master’s in Public Administration, 1996, The Ohio State University, Columbus, OH, USA
* Ph.D. (Chemistry), 1985, University of British Columbia, Vancouver, B.C., Canada
* B.Sc., 1976, University of Sri Lanka, Peradeniya Campus, Kandy, Sri Lanka

**Employment**

2012 - Date Team Leader, Human Capital Research Program, LIRNE*asia*

2005 - 2011 Knowledge Network Specialist, LIRNEasia

2004 - 2005 Consultant, University Grants Commission of Sri Lanka

2003 - 2004 Director General, Tertiary and Vocational Education Commission (TVEC), Sri Lanka

2002 ‐ 2003 Visiting Scholar, Centre for Science, Policy and Outcomes, 1 Thomas Circle, NW, Suite 1075, Washington, D.C. 20002, USA

2000 - 2001 Analytic Director, QRC Division of ORC Macro International, Bethesda, MD, USA

1998 - 2000 Strategic Planning Specialist, Ohio State University

1996 - 1998 Administrator for Research support Programs, Ohio Board of Regents, USA

1976 ‐ 1996 University teacher and researcher in chemistry, Sri Lanka and USA

**Research on Education, Knowledge networks and Knowledge to innovation**

Indicators for evaluating student-centred outcome-based learning- Consultancy for the Higher Education for the Twenty First Century (HETC) project of the World Bank (2015)

Knowledge to Innovation in Government Services: the case of solid waste services in Sri Lanka, Funded by the International Development Research Center (IDRC) of Canada, US$ 425,000, Grant agreement 104356-001 (2008-2010)

Linking Knowledge to Innovation: Role of Universities Funded by IDRC and implemented through the Pathfinder, US$ 10,000, Grant agreement 101678-010 (2006-2007)

Promoting excellence in teaching and research through global connectedness. Funded by IDRC and implemented through the University Grants Commission, US$ 44,000, Grant agreement 101678-004 (2004-2006)

Best practices in North‐South research collaborations: A case study of Sri Lanka. Funded by the U.S. National Science Foundation, Award Number=0328729, US$ 50,000 (2002-2003).

**Scoping Studies/Reviews/Systematic reviews**

Systematic review of the literature on “Strategies for integrating ICT in the classroom” – Continuing project for *LIRNEasia* (2015)

Mapping ICT policy research capacity in Asia and Africa Evaluating the capacity building through the CPRsouth policy research conference series for 10 conferences for Board of CPRsouth (2007-2015). [www.cprsouth.org](http://www.cprsouth.org)

Governance of basic local public services - 3rd Global Report on Decentralization and Local Democracy (GOLD III), for *United Cities and Local Government Asia-Pacific*” (2012)

Green Jobs Asia – Data collection and analysis on solid waste personnel in Sri Lanka for the *International Labor Organization* (2012)

**Teaching/Training/Capacity Building**

Conduct courses on “Data analysis for policy research” and “Writing policy briefs” at the pre-conference tutorials for Young Scholars at CPRsouth (2007-2015)

Mentoring researchers scheduled to present papers at the CPRsouth conference, to convert their research papers to policy briefs (2007-2015).

**Columns/Blogs/Directories**

Weekly Op-Ed on Human Capital in English ‘Daily FT’ a daily financial newspaper of Wijeya Newspapers, Sri Lanka (<http://www.ft.lk/sujata-gamage>), June 16, 2015 to date

Weekly OP-Ed on Human Capital in Sinhala in ‘Dinamina’, a Daily newspaper of Lakehouse Group, Sri Lanka (<https://sujata.wordpress.com/selects/>), Aug 12,2015 to date

Choices in Higher Education Directory, published by LIRNEasia and disseminated by Ceylon Chamber of commerce and sl2college.org (2012)

Career Guidance Series published in Education Times and ‘Ada’ Newspapers of wijeya Newspapers of Sri Lanka (2013)

**Policy Papers and Scholarly Publications**

2016 Gamage, Sujata, Tushar Tanwar and Chivoin Peou, Strategies for Training teachers to integrate technology in the classroom: A systematic review, EPPI, London (in review)

2015 Gamage, Sujata (2015). Impact assessment of capacity building initiatives: Lessons from CPRsouth. Policy Brief commissioned by International Development Research Center

Samarajiva, R., Gamage, S., Kapugama, N. (2015). “Research to Policy south: A mechanism to enhance and sustain contributions to policy from think tanks and university faculty,” Proceedings of Conference on status and role of social sciences research in Asia – emerging challenges and policy lessons, Indian Council on Social Science Research.

2014 Inter-Organizational Communities of Practice for Improved Organizational Performance, <http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2443989>

2013 Gamage, Sujata N. (2013). Evaluating for Equity in General Education. Fourth Biennial International Conference of the Sri Lanka Evaluation Society. Mount Lavinia, Sri Lanka, July 24-25.

Gamage Sujata N. and Roshanthi Lucas Gunaratne (2013, April). Sri Lanka Country Study for the Third Global Report on Decentralization and Local Democracy (GOLD III)-Asia Pacific Region. United cities and Local Government Consultation, Ahemedabad, April 15-17.

Gamage, Sujata N., Samarajiva, Rohan and Kapugama, Nilusha (2013, March). Organizing for Policy: A Social Network Analysis. *2013 EuroCPR*, Brussels, March 21-22.

<http://www.eurocpr.org/data/2013/Samarajiva.pdf>)

2012 Gamage, Sujata N., Petersen, Il-Haam (2012, December). Merits of the Carnegie Classification Framework for Benchmarking the Performance of Universities in the South. *Journal of the World Universities Forum*, Volume 5, Issue 2, pp.73-88.

Gamage, Sujata N., Samarajiva, Rohan and Kapugama, Nilusha (2012, September). Organizing for Policy Impact in Telecommunication: A Framework for Action. *2012 TPRC*, Washington, D.C., September 21-22

<http://ssrn.com/abstract=2032319>

Gamage, Sujata N (2012, July). Communities of Practice for Inter-organizational Knowledge Management: An Empirical Study, Knowledge Management International Conference (KMICe), Johor Bahru, Malayasia, July 1-4. <http://www.kmice.cms.net.my/ProcKMICe/KMICe2012/PDF/CR111.pdf>

2011 Knowledge Networks or Skills Development in Local Government: A Policy Brief (2011). LIRNEasia, Colombo, Sri Lanka

<http://lirneasia.net/wp-content/uploads/2009/06/Policybrief_Networks_E.pdf>

Linking Knowledge to Innovation in Government Services: The Case of Solid Waste Services in Local Government in Sri Lanka. Technical Report. Project # 104356-001, International Development Research Center of Canada. http://lirneasia.net/wp-content/uploads/2009/06/TechnicalReport\_K2I\_2011Jul.pdf

2010 and before

Survey of Waste management at 5 Local Authorities Surrounding North Bolgoda Lake: A Policy Brief (2011). LIRNEasia, Colombo, Sri Lanka

<http://lirneasia.net/wp-content/uploads/2009/06/K2I_Cleancity_Policybrief.pdf>

Sujata Gamage and Samarajiva, R. (2008). Internet Presence as Knowledge Capacity: The Case of Research in Information and Communication Technology Infrastructure Reform. Information Technologies & International Development, North America, 4 1 03 2008. http://itidjournal.org/itid/article/view/304)

Sujata Gamage (2008). Right to Education is Meaningless without Accountability in the Public Education Sector. Law and Society Trust Review (Sri Lanka). Volume 18 Issue 248 June <http://www.lawandsocietytrust.org/web/index.php?option=com_content&task=view&id=124>&Itemid=143

Sri Lanka’s Innovation System according to the 2008 “Building the Knowledge Economy” document of the world Bank. <http://siteresources.worldbank.org/INTSRILANKA/Resources/Innovation.pdf>

Sujata N Gamage and OG Dayaratne Banda (2008). Education in Sri Lanka: An Economic Perspective. Sanvada Policy Brief 08. Pathfinder Foundation, Colombo, Sri Lanka http://sanvada.org/images/documents/sanvada%20policy%20brief%20on%20education.pdf

Linking knowledge to innovation in economy and society: The role of universities in Asia. Proceedings of a seminar held in Taj Samura, Colombo on January 25, 2007. <https://idl-bnc.idrc.ca/dspace/handle/10625/44793>

Rohan Samarajiva and Sujata Gamage (2007). Bridging the Divide: Building Asia‐Pacific. Information Society, Volume 23 , Issue 2 , March, Pages 109‐117.

http://portal.acm.org/citation.cfm?id=1392727&dl=GUIDE&coll=GUIDE)

Quality through Global Connectivity: Strategies for Universities in Small States, Technical Report to the *Research on Knowledge Systems (RoKS), International Development Research* *Center*, Canada, 2006.

https://idl‐bnc.idrc.ca/dspace/handle/123456789/30581

Gamage, Sujata N. (2005) An Assessment of the Quality of Faculty in Humanities and Social Sciences in the Public University System in Sri Lanka. Journal of the University Librarians Association of Sri Lanka (Vol 9), pp 1‐11.

http://www.sljol.info/index.php/JULA/article/viewFile/310/353

Sujata Gamage and Rohan Samarajiva. Science and Technology Inputs for Information and Communication infrastructure Development in Sri Lanka, *Proceedings of the Biennial* *Conference on Science and Technology, National Science and Technology Council of Sri Lanka*, Beruwela, Sri Lanka, September 5‐7, 2002.

A Profile of the Undergraduate population at the Ohio State University, an Analysis of the College Student Survey, *Resource Planning and Institutional Analysis*. Ohio State University. January 2000

Reshaping Graduate Education in Science and Engineering. *Association of Women in Science Magazine*. Volume 28, Number 4, Fall 1999.

University Research Centers: A Benchmarks and Best Practices Study, Report to the Senior Vice Provost, *Office of Academic Affairs, Ohio State University*, May 27, 1998.

Attrition of Freshmen at the Ohio State University: An Analysis of the 1997 Student Satisfaction Survey. *of Academic Affairs, Ohio State University*. 1997.

An Evaluation of the Ohio Board of Regents Action Fund Program: Implications for Research Program Management. *The Ohio State University, School of Public Policy and Management*, 1996.

Human Health Risk from Power Frequency Electromagnetic Fields. Report of the Environmental Priorities ’95 Committee, *Public Health Department*, *Columbus, Ohio, USA*, 1995.

**Research Presentations/Invited Lectures**

Organizing for policy Impact in Telecom/ICT. With Rohan Samarajiva and Nilusha Kapugma. Telecom Policy Research Conference, Washington, D.C , September 21-23, 2012

Communities of Practice for Inter-organizational Knowledge Management,: An empirical Study.

Knowledge Management International Conference and Exposition, Johor Bharu, Malaysia, July 2-14, 2012

Asian Network for Economics of Learning, Innovation, and Competence Building Systems (ASIALICS). Hanoi, Vietnam, July 7-9, 2011

A Framework for Assessing Municipal Solid Waste Management, Waste Safe, Khulna, Bangladesh, February 13-15, 2011

Taking Stock of the Asian Higher Education Landscape, World Universities Forum, Hong Kong, January 13-17, 2011

Sujata Gamage and Chammi Gunatilake. A study of the performance of different types of officials in Solid waste Management in selected provinces of Sri Lanka 66th Annual Scientific Sessions, Sri Lanka Association for Advancement of Science (SLAAS) SLAAS 6-10/ 12/2010 Colombo

Sujata Gamage and Anusha wickramaratne. Results of a Pilot Survey to Develop a Clean City Ranking for Sri Lanka. 66th Annual Scientific Sessions, Sri Lanka Association for Advancement of Science (SLAAS) SLAAS 6-10/ 12/2010 Colombo

Merits of the Carnegie Classification System: A User-Driven Multi-Dimensional Framework for Higher Education, Global Network for Economics of Learning, Innovation, and Competence Building Systems (Globelics), Kuala Lumpur, November , 2010

Merits of the Carnegie Classification System: A User-Driven Multi-Dimensional Framework for Higher Education, Council for Higher Education, Islamabad, Pakistan. April 27, 2010

Lessons in Knowledge Management for Policy Makers in Developing Countries: The Case of Solid Waste Services in Sri Lanka. Innovation Symposium. WITS University, Johannesburg, South Africa. February 24-26, 2010

Merits of the Carnegie Classification System: A User-Driven Multi-Dimensional Framework for Higher Education. Council for Higher Education, Pretoria, South Africa. February 23, 2010

Panel on innovation systems (Glenda Kruss, Human Sciences Research council, South Africa; Rasheed Sulaiman, Centre for Research on Innovation and Science Policy, India; and Sujata Gamge, LIRNEAsia, LIRNEasia@5 Conference, Colombo, Sri Lanka. December 9-11, 2009.

http://lirneasia.net/projects/lirneasia-at-5/

Digital Content: Why K4D won’t work without. Third International Conference of the

University Librarians Association. Colombo, June 2007

A Knowledge Network for Communication Policy Research in the Asia pacific. CPRsouth1 Conference, Manila, Philippines, January 19‐21, 2007. (http://www.cprsouth.org/index.html/)

Ranking Higher Education Institutions in Developing Countries: A Feasibility Study from Sri Lanka. Proceedings of the Sixth Annual Conference of the South East Association of Institutional Researchers in Langkawi, Malaysia, September 4‐6, 2006, p. 316‐319.

Framework for Assessing and Ranking the Quality of University Faculty. Proceedings of the Sixth Annual Conference of the South East Association of Institutional Researchers in Langkawi, Malaysia, September 4‐6, 2006, p. 320‐326

A Labor Market Information System for Higher Education, A User Perspective, *Workshop for Deans in Science, Humanities and Social Sciences*, University Grants Commission, March 17,2006, Colombo, Sri Lanka

From Lecturers to Excellent Teachers: Preliminary Results in Evaluating Scholarly Capacity of Humanities and Social Science Lecturers in Sri Lankan Universities. 1st Annual Conference of the Sri Lanka Association for Improving Higher Education Effectiveness (SLAIHEE). 31st March 2005, University of Colombo

Promoting Excellence in Teaching and Research through Connectivity to Global Knowledge Networks: Strategies for a Small State, Research on Knowledge Systems Workshop, IDRC, Ottawa, Canada, April 24‐26, 2004

Post‐graduate Research and Norms of Scholarship. *University Grants Commission’s Seminar on Postgraduate Research and National Development*, August 21, 2004, Colombo, Sri Lanka.

From Provider to Facilitator: A New Role for Government in Tertiary Education, *Public Seminar Series-1, Sari Lanka Economics Association*, October 10, 2003, Colombo, Sri Lanka

Technology Inputs to Information and communication Infrastructure Development in Developing Countries, International Conference on Science, Technology, and Innovation, Center for International Development, Harvard University, September 23‐24, 2002.

Global Knowledge Networks: Strategies for a Small State, *Research on Knowledge Systems Workshop*, IDRC, Ottawa, Canada, April 24‐26, 2004

Technical and Vocational Education: A Fresh Approach, *Marie Musaeus Higgins-Peter de Abrew Memorial Lecture*, Musaeus College, Colombo, Sri Lanka, August, 2003

Technology Inputs to Information and communication Infrastructure Development in Developing Countries, *International Conference on Science, Technology, and Innovation*, Center for International Development, Harvard University, September 23‐24, 2002.

Using the US National Science Foundation Science and Engineering Resource Surveys for Institutional Analysis, Annual Meeting of the Association of American Universities Data Exchange, Annapolis, MD, April 3, 2001

Using the National Science Foundation’s Survey of Earned Doctorates for Institutional Research at the Academic Program Level. Annual meeting of the Association of American Universities Date Exchange, Madison, Wisconsin, MD, June 17, 2000

Using the National Science Foundation’s Survey of Earned Doctorates for Institutional Research at the Academic Program Level, *Association of Institutional Research Forum 2000*, Cincinnati, Ohio, May 21–24, 2000 (with Maia Bergman)

Versatility of the Graduate Programs in the US. *Graduation Education in the New Millennium Symposium of the American Chemical Society National Meeting*, San Francisco, March 26, 2000

Research Programs at the Ohio Board of Regents. Plenary Session Presenter, *Ohio Chapter of* *the Society for Research Administrators*, Columbus, Ohio, July 1997

**Science Publications**

S.N. Gamage and B.R. James, Use of Dioxygen/Dihydrogen Mixtures for Oxidations Catalyzed by Rhodium Complexes. *Journal of the Chemical Society*, Chemical Communications, 1624–26 (1989).

S.N. Gamage, B.R. James, S.J. Rettig, and J. Trotter. Synthesis and structural characterization of two tricilinic modifications of diethylammonium trans‐tetracholorobis(di‐methylsulfoxide‐

S)rhodium(III):an example of hydrogen‐bond acceptor structural isomerism. *Canadian Journal of Chemistry*, 66, 1123‐28 (1988).

S.N. Gamage, R.H. Morris, S.J. Rettig, D.C. Thackray, I.S. Thorburn, and B.R. James. Formation of a trimethyldihydropermidinium cation from proton sponge [1,8‐ bis(dimethylamino)naphthalene] during base‐promoted reactions of rhodium and ruthenium complexes. *Journal of Chemical Society. Chemical communications*: 894‐95 (1987).

S.N. Gamage, R.H. Morris, S.J. Rettig, and B.R. James. Formation of an h1‐ylidic enamine complex of rhodium(III) during use of triethylamine for a base‐promoted reaction. *Journal of* *Organometallic Chemistry*. 309(3): C59 (1986).

**Memberships/Volunteer Work**

* Board Member, SL2COLLEGE (2011 – 2015)
* Member, HR & Education Sub‐Committee, Ceylon Chamber of Commerce (2007‐date)
* Coordinator, Sri Lanka Education Forum, www.educationforum.lk (2005‐to date)
* American Association for the Advancement of Science (1999 – 2005)
* Association of Institutional Researchers (1997 – 2005)
* Association of Women in Science, USA (1997 – 2005)
* American Chemical Society (1988 – 2001)
* Environmental Priorities Committee (City of Columbus (1995‐1996)
* Ohio Environmental Council, Columbus, Ohio (1990 – 1994)
* Ohio Citizen Action (1990 – 1994)
* Committee on Chemicals and Chemical products, Sri Lanka Bureau of Standards (1985 –1987)