

CURRICULUM VITAE

NAME

Partha Sarathi DASGUPTA

DATE OF BIRTH

November 17, 1942

EDUCATION

B.Sc. (Hons.) in Physics, University of Delhi, 1962.

B.A. (Hons.) in Mathematics, University of Cambridge, 1965.

Ph.D in Economics, University of Cambridge, 1968.

EMPLOYMENT

Research Fellow, Trinity Hall, Cambridge, 1968-71.

Supernumerary Fellow, Trinity Hall, Cambridge, 1971-74.

Visiting Assistant Professor, Carnegie-Mellon University, 1968-69.

Visiting Fellow, Delhi School of Economics, 1970-71.

Lecturer, London School of Economics, 1971-75.

Visiting Associate Professor, Stanford University, 1974-75.

Reader, London School of Economics, 1975-78.

Visiting Professor, Jawaharlal Nehru University, Autumn 1978.

Professor of Economics, London School of Economics, 1978- (December) 1984.

Ford Visiting Professor, Institute of Economic Growth, University of Delhi, Autumn 1981.

Visiting Professor, Stanford University, 1983-84.

Professor of Economics (Frank Ramsey Professor of Economics, 1994-2010), University of Cambridge (January) 1985-2010. (Chairman of the Faculty of Economics & Politics, University of Cambridge, January 1997 - December 2001.) Frank Ramsey Professor Emeritus of Economics, University of Cambridge, 2010-.

Fellow, St John's College, Cambridge, 1985-.

Visiting Professor, Harvard University, Spring 1987.

Visiting Professor, Princeton University, Spring 1988.

Professor of Economics, Professor of Philosophy, and Director of the Programme in Ethics in Society, Stanford University, 1989-1992.

BP Visiting Professor, London School of Economics, Autumn 2003.

Professorial Research Fellow, Sustainable Consumption Institute, University of Manchester, 2008-2013.

Visiting Professor, New College of the Humanities, London, 2012-2019.

PROFESSIONAL ACTIVITIES

Member of Council, Econometric Society, 1984-90.

Member of Council, European Society for Population Economics, 1987-91.

Member of Council, Royal Economic Society, 1988-93.

Member of Council, European Economic Association, 1989-94.

Associate Editor, *Journal of Development Economics*, 1972-76.

Member, Editorial Board, *Economica*, 1975-93.

Associate Editor, *Social Choice and Welfare*, 1984-1994.

Associate Editor, *Journal of Environmental Economics and Management*, 1985-1989.

Member, Editorial Board, *Review of Economic Studies*, 1972-82.

Member, Editorial Board, *Journal of Political Philosophy*, 1993-2022.

Member, Policy Board, *Environment and Development Economics*, 1996-.

Member, Panel of Experts on Environmental Health, World Health Organization, 1975-85.

Programme Director for Applied Economic Theory and Econometrics, Centre for Public Policy Research, London, 1984-86.

Research Fellow, Centre for Public Policy Research, London, 1983-93.

Research Adviser, UNU/World Institute for Development Economics Research, Helsinki, 1988-93.

Visiting Fellow, Santory-Toyota International Centre for Economics and Related Disciplines, London School of Economics, 1988-1990.

Chairman of the Board, Beijer International Institute of Ecological Economics, Royal Swedish Academy of Sciences, Stockholm, 1991-96.

Member, Scientific Board, Santa Fe Institute, 1991-96.

Senior Research Fellow, Institute for Policy Reform, Washington, D.C., 1992-94.

Member, Advisory Council to the Vice President for Environmentally Sustainable Development, World Bank, Washington, D.C., 1993-1998.

Member, Advisory Committee on the Environment (ACE), International Council of Scientific Unions, 1996-2001.

University Fellow, Resources for the Future, Washington, DC, 1997-2022.

Member, Management and Advisory Committee, South Asian Network for Development and Environmental Economics (SANDEE), Kathmandu, 1998-2009.

Member, Scientific Board, Resource Accounting Network for Southern

Africa (RANESA), Pretoria, 1998-2004.

Member, Advisory Panel on Complex Systems, James S. McDonnell Foundation Centenary Fellowships, 1998-1999.

Member, Advisory Panel on "Complex Systems", James S. McDonnell Foundation, 2000-2017.

Member, Academic Advisory Board, Institute for Advanced Study, Budapest, 1999-2003.

Member, External Advisory Council, World Bank Institute, Washington, D.C., 1999-2006.

Member at Large, Millennium Ecosystem Assessment (MEA) Board, 2000-2005.

Member, Millennium Ecosystem Assessment Panel (MEA), 2000-2005.

Co-Director (with C. Carraro, S. Levin, K.-G. Mäler, and A. de Zeeuwe), Programme in Ecological and Environmental Economics, Abdus Salam International Centre for Theoretical Physics, Trieste, 2001-2005.

Member, External Advisory Board, The Earth Institute, Columbia University, 2002-2009.

Member, Coordinating Committee on Global Change, US National Academies, 2003-2005.

Member, Advisory Group to the Consortium on Science and Technology for Sustainable Development, 2003-2005.

Member, International Advisory Committee, DIVERSITAS, 2003-2008.

Associate Editor, *Journal of the European Economic Association*, 2003-2004.

Governor, National Institute of Economic and Social Research, London, 2003-.

Member, Sectional Committee 10, Royal Society, 2004-2007.

Member, Editorial Board, *The New Palgrave Dictionary of Economics*, 2005-

2008.

Member, Board and Executive Committee, International Institute for Environment and Development, London, 2005-2006.

Member, Editorial Board, *Proceedings of the National Academy of Sciences*, 2005-2011.

Member, AAAS (American Association for the Advancement of Science) Annual Meeting Scientific Program Committee, 2006-2009.

Member, Indian Council for Sustainable Development, 2007-.

Member, Editorial Board, *Review of Environmental Economics and Policy*, 2007-.

Member Starting Grants Evaluation Panel, European Research Council, 2007.

Member, Advisory Board, European Research Institute on Cooperative and Social Enterprises, (EURICSE), Trento, 2007-2015.

Patron, *Population Matters* (previously, *Optimum Population Trust*), London, 2008-.

Member, International Panel for Sustainable Resource Management, 2009-2012.

Fellow, South Asian Network for Development and Environmental Economics (SANDEE), 2009-.

Member, Advisory Board on Economic Development to the Chief Economist and Senior Vice President, World Bank, 2009-2012.

Chairman, International Scientific Advisory Board, Wittgenstein Centre, Vienna, 2011-2014.

Member, International Advisory Committee to the World Congress on Justice, Governance, and Law for Environmental Sustainability, United Nations Environment Programme, 2011-2012.

Chairman, Scientific Board, International Human Dimensions Programme

(IHDP) on Global Environmental Change, Bonn, 2011-2015.

Member, International Resource Panel, United Nations Environment Programme, Nairobi, 2011-2013.

Chairman, Central Government Expert Group on Green National Accounting for India, 2011-2013.

Member, High Level Panel on Science, Technology and Innovation for Development, UNESCO, 2011-2012.

Science Advisor for UNU-IHDP/UNEP *Inclusive Wealth Report 2012* (Cambridge: Cambridge University Press), 2010-2012.

Science Advisor for UNU-IHDP/UNEP *Inclusive Wealth Report 2014* (Cambridge: Cambridge University Press), 2012-2014.

Member, Advisory Board, Luc Hoffmann Institute, World Wildlife Fund (WWF), 2013-2017

Member, Working Group on Science and Evidence: Commission on Ending Childhood Obesity, World Health Organization, 2014-2015.

Member, Strategic Planning Board, International Centre for Research in the Environment and the Economy, University of Athens, 2014-.

Chairman, Management Committee, Centre for the Study of Existential Risk, University of Cambridge, 2014-2022.

Member, International Advisory Board, *Singapore Economic Review*, 2015-

HONOURS

Fellow, Econometric Society, 1975.

Fellow, British Academy, 1989.

Foreign Honorary Member, American Academy of Arts and Sciences, 1991.

Foreign Member, Royal Swedish Academy of Sciences, 1991.

Honorary Fellow, London School of Economics, 1994.

Honorary Member, American Economic Association, 1997.

Member, Pontifical Academy of Social Sciences, 1997-2020.

President, European Economic Association, 1999.

President, Royal Economic Society, 1998-2001.

Foreign Associate, US National Academy of Sciences, 2001.

Fellow, World Academy of Sciences (TWAS), 2001.

Knight Bachelor (Her Majesty Queen Elizabeth II's Birthday Honours List, 2002, for "services to economics").

Fellow, Royal Society, 2004.

Foreign Member, American Philosophical Society, 2005.

President, Section F (Economics), BA (British Association for the Advancement of Science) Festival of Science, 2006.

Andrew D. White Professor-at-Large, Cornell University, 2007-2013.

Foreign Member, Istituto Veneto di Scienze, Lettere ed Arti, 2009.

Member, Academia Europaea, 2009.

President, European Association of Environmental and Resource Economists, 2010-2011.

Honorary Fellow, Trinity College, Cambridge, 2010.

Distinguished *CES* Fellow, 2011, Ludwig-Maximilians-Universitat, Munich.

Humanitas Visiting Professor in Economic Thought, University of Oxford, May 2012.

Fellow, Society for the Advancement of Economic Theory, 2013.

Fellow, (American) Association of Environmental and Resource Economists,

2017.

Foreign Member, Society on Capitalism and Society, 2021.

Fellow, Society for Cost-Benefit Analysis, 2022.

Fellow, International Science Council, 2022 (Inaugural list).

Knight Grand Cross of the British Empire, for “services to economics and the natural environment,” New Year’s Honours List, 2023.

Honorary Fellow, Trinity Hall, Cambridge, 2023.

Festschrifts

Environment & Development Economics: Essays in Honour of Sir Partha Dasgupta, eds., Scott Barrett, Karl-Goran Maler, and Eric S Maskin (Oxford; Oxford University Press), 2014.

Sustainable Consumption: Multidisciplinary Perspectives in Honour of Sir Partha Dasgupta, eds., Dale Southerton and Alistair Ulph (Oxford; Oxford University Press), 2014.

Doctor, Honoris Causa:

Wageningen University, 2000; Catholic University of Louvain, 2007; Faculte Universitaire Saint-Louis, 2009; University of Bologna, 2010; University of Tilberg, 2012; Harvard University, 2013; University of York, 2017.

PRIZES AND AWARDS

Stevenson Prize, University of Cambridge, 1967.

Volvo Environment Prize 2002 (joint with K.-G. Mäler).

Co-recipient (with G.M. Heal) of the Association of Environmental and Resource Economists "Publication of Enduring Quality Award 2003" for *Economic Theory and Exhaustible Resources* (Cambridge University Press, 1979).

International Society for Ecological Economics (Biennial) Kenneth E. Boulding Memorial Award (joint with K.-G. Mäler), 2004.

John Kenneth Galbraith Award 2007, American Agricultural Economics Association.

Co-recipient (with E. Maskin) of the Kempe Foundation-European Association of Environmental and Resource Economics-Umea University biennial Erik Kempe Award, 2007, for the article, "Uncertainty and Hyperbolic Discounting", *American Economic Review*, 2005, 95(4), 1290-1299.

Zayed International Environment Prize (Category II: scientific and technological achievements), 2010.

European Lifetime Achievement Award in Environmental Economics, European Association of Environmental and Resource Economists, 2014.

Blue Planet Prize, 2015.

Tyler Prize for Environmental Achievement, 2016.

Kew International Medal 2021, Royal Botanical Garden, Kew.

GG2 Man of the Year Award, 2022.

Freedom of the City of London by Special Nomination, 2022.

United Nations Champion of the Earth Award (Science and Innovation), 2022.

SPECIAL LECTURES

Shell Lecture, City University, London, 1985.

E.S. Woodward Memorial Lecture, University of British Columbia, 1986.

Darwin College Lecture, University of Cambridge, 1987.

Commencement Day Address, Export-Import Bank of India, Bombay, 1987.

Stevenson Lecture, University of Glasgow, 1989.

Frank Paish Memorial Lecture, Royal Economic Society and Association of

University Teachers of Economics, 1989 (Swansey).

Walras-Bowley Lecture, Econometric Society, 1989 (Ann Arbor, Michigan).

Coromandel Lecture, New Delhi, 1990.

Crafoord Lecture, Lund University, 1991.

Plenary Lecture, Annual Conference of the European Association of Environmental and Resource Economists, Stockholm, 1992.

Moffat Lecture, Princeton University, 1993.

Sidney Ball Lecture, University of Oxford, 1993.

Keynes Lecture, British Academy, 1995.

Plenary Lecture, Annual Conference of the European Association of Environmental and Resource Economists, Lisbon, 1995.

P.N. Mathur Memorial Lecture, University of Wales at Aberystwyth, 1997.

Arrow Lectures, Stanford University, 1997.

St John's College Lecture, University of Hull, 1997.

45th Anniversary Lecture, Resources for the Future, Washington, D.C., 1997.

Tagore Lectures, M.S. University of Baroda, 1997

Yrjö Reenpää Lecture, Helsinki, 1998.

Gaston Eyskens Lectures, Catholic University of Leuven, 1998.

Mullin Lecture, University of Maryland, Baltimore County, 2000.

Tanner Lectures, University of Michigan, Ann Arbor, 2000.

Wiegand Lecture, Duke University, 2000.

Plenary Lecture, Annual Conference of the European Association of Environmental and Resource Economists, Crete, 2000.

ESRC 12th Annual Lecture, London, 2001.

Plenary Lecture, World Congress of Environmental and Resource Economists, Monterey (California), 2002.

CIMMYT Distinguished Economist Lecture, Mexico City, 2003.

St. Andrews Prize Lecture, Royal Institution, London, 2003.

Adam Klug Memorial Lecture, Ben-Gurion University of the Negev, 2004.

Sibthorp Lecture, London, 2004.

R.C. Mills Lecture, Australian Conference of Economists, University of Sydney, 2004.

Gemilli Lecture, Catholic University, Milan, 2004.

Andres Marcelo Sada Lecture, ITESM Monterrey, 2005.

Red Cross Lecture, Cambridge, 2005.

Spring Lecture, Stanford Institute for the Environment, Stanford University, 2005.

Yan Fu Memorial Lecture, China Center for Economic Research, Peking University, 2005.

Bingham Lecture, Research Triangle Institute, Durham (NC), 2006.

Topical Lecture, AAAS Conference, St. Louis, 2006.

BES Lecture, British Ecological Society Annual Conference, Oxford, 2006.

Lectio Magistralis Lecture, Festival of Economics 2007, Trento.

John Kenneth Galbraith Lecture, American Agricultural Economics Association Annual Conference, Portland (Oregon), 2007.

Plenary Lecture, Japan Science Council's International Conference on Science and Technology for Sustainability 2007, Tokyo.

Annual Distinguished Speakers Lecture, Asian Development Bank, Manila, 2007.

Distinguished Speakers Lecture, Egyptian Center for Economic Studies, Cairo, 2007.

Wrigley Lecture, Arizona State University, Tempe, 2007.

Eminent Thinkers Lecture, Institute for World Economics, Kiel, 2007.

Boehm-Bawerk Lecture, University of Innsbruck, 2008.

Plenary Lecture, Conference of the Latin American Association of Environmental and Resource Economists, San Jose (Costa Rica), 2009.

Athenaeum Lecture, Athenaeum Club, London, 2009.

20th Anniversary Lecture, FEEM, Milan, 2009.

Royal Economic Society Lecture 2009 (London and Bristol).

Lead Presenter (co-presenters: Kathryn Tanner and Rowan Williams), 39th National Theological Conference on "Building an Ethical Economy: Theology and the Marketplace", Trinity Church Wall Street, New York, 2010.

Keynote Lecture, Kyoto Earth Forum 2010, Kyoto.

A.K. Dasgupta Memorial Lecture, Bengal Economic Association, Kolkata, 2010.

Landolt & Cie Annual Lecture, Lausanne, 2010.

Keynote Lecture, Annual (World) Bank Conference on Development Economics (ABCDE), Stockholm, 2010.

Stone Lecture, Bank of England and National Institute for Economic and Social Research, London, 2010.

Arrow Lecture, Columbia University, 2011.

Munich Lectures in Economics 2011, CES, University of Munich.

Keynote Lecture, Adlerbert Research Foundation Jubilee Conference, Gothenberg, 2011.

Inaugural Humanitas Lecture on Economic Thought, University of Oxford, 2012.

Arrow Lecture, Hebrew University of Jerusalem, 2012.

Keynote Lecture, Symposium on Sustainable Development, United Nations University, Tokyo, 2013.

Keynote Lecture, Policy Forum on Vulnerability, Adaptation, and Resilience, Academia Sinica, Taipei, 2013.

Keynote Lecture, UNEP-SANDEE-ESCAP Conference on Valuing and Accounting for the Environment in the Asia Region, Bangkok, 2013.

Invited Lecture, Conference on Mathematics in Emerging Nations, World Congress of the International Mathematical Union, Seoul, 2014.

Keynote Lecture, Public Forum on Economics and Sustainability, University of Gottingen, 2014.

Distinguished Lecture, Mahatma Gandhi Institute of Education for Peace and Sustainable Development, Delhi, 2014.

Plenary Lecture, Information for Better Markets Conference, Institute for Chartered Accountants, London, 2014.

Keynote Lecture, 5th International Conference on Sustainability Science, United Nations University, Tokyo, 2015.

Plenary Lecture, Biennial Bioeconomy Conference, Ravello, 2015.

Keynote Lecture, LACEEP 10+, Mexico City, 2015.

Keynote Lecture, 25th Anniversary Conference of the *Singapore Economic Review*, Singapore, 2015.

Keynote Lecture, 18th Annual BioEcon Conference, Cambridge, 2016.

Keynote Lecture, Conference on Population Ethics: Interdisciplinary Perspectives on Birth and Death, Cumberland Lodge, Windsor Park, 2016.

Keynote Lecture, Resilient Hindu Kush Conference, ICIMOD, Kathmandu, 2017.

C.D. Deshmukh Lecture, National Council of Applied Economics Research, New Delhi, 2018.

President's Lecture, State House, Mauritius, 2018.

Plenary Lecture, Malthus Conference, Cambridge, 2018.

IIAM-SRK Third Annual Lecture, Indian Institute of Management, Ahmedabad, 2019.

Adrian Fernando Lecture, Smith School for Entrepreneurship and Environment, University of Oxford, 2019.

Martin Buber Memorial Lecture 2019, Israel Academy of Sciences and Humanities, Jerusalem.

Reserve Bank of New Zealand Annual Lecture 2020, Wellington.

Christian Aid (Inaugural) Annual Lecture 2021, St Martin-in-the-Fields, London.

Schorstein Lecture, William Harvey Day Conference, Bart and The City, 2021.

Garner Lecture, UK Environmental Law Association, 2021.

Annual Public Policy Lecture, Bennett Institute of Public Policy, University of Cambridge, 2021.

Plenary Lecture, British Ecological Society Annual Conference, 2021.

Karl-Goran Maler Memorial Lecture, Biennial Conference of the Indian Society for Ecological Economics, 2021.

Jon Goldstein Memorial Lecture, University of Minnesota, 2022.

John H Chafee Memorial Lecture on Science, Policy and Environment, Annual Conference of the Global Council for Science and the Environment, 2022.

David Pearce Lecture, Annual Conference of the European Association of Environmental and Resource Economists, Rimini, 2022.

Keynote Lecture, UIA World Congress of Architects, Copenhagen, 2023.

Keynote Lecture, Congress of the Parliament of World Religions, Chicago, 2023.

James Mirrlees Memorial Lecture, Wigtown Book Festival, 2023.

PUBLICATIONS

BOOKS

(1) *Guidelines for Project Evaluation* (with S.A. Marglin and A.K. Sen), United Nations (New York), 1972, pp. 1-383.

(2) *Economic Theory and Exhaustible Resources* (with G.M. Heal), James Nisbet and Cambridge University Press, 1979, pp.1-501. Recipient of the Association of Environmental and Resource Economists "Publication of Enduring Quality Award 2003". Chapter 10 ("The Optimal Depletion of Exhaustible Resources") reprinted in K.-G. Lofgren and C.-Z. Li, eds., *Green National Accounting and Sustainability* (Cheltenham: Edward Elgar), 2011.

(3) *The Control of Resources*, Basil Blackwell (Oxford), Harvard University Press (Cambridge, Mass.) and Oxford University Press (Delhi), 1982, pp. 1-212. Partially reprinted in C. Perrings, ed., *Ecological Economics* (London: Sage), 2009.

(4) *Environmental Decision-Making* (co-editor with Y. Ahmad and K.-G. Mäler), Hodder and Stoughton (London), 1984, pp.1-358.

(5) *Economic Organizations as Games* (co-editor with K. Binmore), Basil Blackwell (Oxford), 1986, pp.1-219.

(6) *The Economics of Bargaining* (co-editor with K. Binmore), Basil Blackwell (Oxford), 1987, pp.1-260.

(7) *Economic Policy and Technological Performance* (co-editor with P. Stoneman), Cambridge University Press, 1987, pp.1-243.

(8) *Issues in Contemporary Economics: Policy and Development* (editor), Vol. 100 of the publications of the International Economic Association, Macmillan (London), 1991, pp. 1-399.

(9) *Economic Analysis of Markets and Games* (co-editor with D. Gale, O. Hart and E. Maskin), MIT Press (Cambridge, Mass.), 1992, pp. 1-634.

(10) *An Inquiry into Well-Being and Destitution*, Clarendon Press (Oxford), 1993, pp. 1-661.

(11) *The Environment and Emerging Development Issues*, Vols. I and II (co-editor with K.-G. Mäler), Clarendon Press (Oxford), 1997, pp. 1-255 and pp. 259-593.

(12) *The Economics of Transnational Commons* (co-editor with K.-G. Mäler and A. Vercelli), Clarendon Press (Oxford), 1997, pp. 1-316.

(13) *Creation and Transfer of Knowledge* (co-editor with C. Barba Navaretti, K.-G. Mäler and D. Siniscalco), Springer (Berlin), 1998, pp. 1-311.

(14) *Social Capital: A Multifaceted Perspective* (co-editor with Ismail Serageldin), World Bank (Washington, DC), 2000, pp. 1-424.

(15) *Human Well-Being and the Natural Environment*, Oxford University Press (Oxford), 2001, pp. 1-305. Revised edition, with new Appendix (paperback), March 2004. Italian Translation, by Stefano Galli: *Benessere umano e ambiente naturale* (Milano: V&P Universita), 2004; and Japanese translation, 2007.

(16) *Economic Theory for the Environment: Essays in Honour of Karl-Göran Mäler* (co-editor with B. Kriström and K.-G. Löfgren), Edward Elgar (Cheltenham), 2002, pp. 1-344.

(17) *The Economics of Non-Convex Ecosystems* (co-editor with Karl-Göran Mäler), Kluwer Academic Publishers (Amsterdam), 2003.

(18) *Ecosystems and Human Well-Being: Synthesis* (with W.V. Reid, H.A. Mooney, A. Cropper *et al.*), World Resources Institute (Washington, DC: Island Press), 2005, pp. 1-137. (This publication synthesised the findings of

the *Millennium Ecosystem Assessment*, which was awarded the Zayed International Prize, 2005.)

(19) *Economics: A Very Short Introduction* (Oxford: Oxford University Press), 2007, pp. 1-172. Translated into Arabic, Chinese, Japanese, Portuguese, Spanish, Italian, German, Turkish, Icelandic, Dutch, Russian, Chinese (Hong Kong), Vietnamese, Thai, and Georgian.

(20) *Poverta, Ambiente e Societa* (Bologna: il Mulino), 2007 (Collected papers on poverty, environment and society, translated and edited by Elena Podrecca and Maurizio Zenezini).

(21) *Selected Papers of Partha Dasgupta*

Vol 1: Institutions, Innovations, and Human Values (pp. 1-521)

Vol 2: Poverty, Population, and Natural Resources (pp. 1-527)

(Oxford: Oxford University Press), 2010.

(22) *Green National Accounts in India: A Framework* (Report of an Expert Group convened by the Prime Minister of India. Issued by the Government of India, April 2013). Dasgupta, P. (Chair), T.C.A. Anant, K. Basu, K. Chopra, N. Desai, H. Gundimeda, V. Kelkar, R. Kolli, K. Parikh, P. Sen, P. Shyamsundar, E. Somanathan, and K. Sundaram.

www.mospi.gov.in/sites/default/files/publication_reports/Green_National_Accounts_in_India_1may13.pdf.

(23) *Sustainable Humanity, Sustainable Nature: Our Responsibility*, co-edited with V. Ramanathan and M. Sanchez Sorondo (Vatican City: Vatican Press), 2015.

(24) *Handbook of Environmental Economics, Vol. IV*, co-edited with S. Pattanayak and V.K. Smith (Amsterdam: Elsevier), 2018.

(25) *Time and the Generations: Population Ethics for a Diminishing Planet* (New York: Columbia University Press), Kenneth J. Arrow Lecture Series, 2019.

(26) *Biological Extinctions: New Perspectives* (Proceedings of a conference on Biological Extinctions at the Pontifical Academies), co-edited with P. Raven and A. McIvor (Cambridge: Cambridge University Press), 2019.

(27) *The Economics of Biodiversity: The Dasgupta Review* (London: HM Treasury), 2021.

(28) *The Economics of Biodiversity: The Dasgupta Review – Abridged Version* (London: HM Treasury), 2021.

ARTICLES

Capital and Optimum Growth Theory

(1) "Optimal Growth when Capital is Non-Transferable", *Review of Economic Studies*, 1969, 36(1), 77-88.

(2) "On the Optimum Rate of Accumulation in a Labour Surplus Economy", *Indian Economic Journal*, 1969, 16(3), 279-311.

(3) "The Optimal Depletion of Exhaustible Resources" (with G.M. Heal), *Review of Economic Studies*, 1974 (Special Number), 3-28. Reprinted in G.M. Heal, ed., *The International Library of Critical Writings in Economics: The Economics of Exhaustible Resources* (Cheltenham: Edward Elgar), 1993 (pp. 56-81); in R.U. Ayers, K.J. Button, and P. Nijkamp, eds., *Global Aspects of the Environment* (Cheltenham: Edward Elgar), 1999; in J. Scheraga, ed., *Discounting and Environmental Policy* (Aldershot, Hampshire: Ashgate), 2003; in R. Halvorsen, ed., *The International Library of Critical Writings in Economics: The Economics of Nonrenewable Resources* (Cheltenham: Edward Elgar), 2017; in R. Fouquet, ed., *The International Library of Critical Writings in Economics: The Economic of Renewable Energy* (Cheltenham: Edward Elgar), 2018; in G. Atkinson and S. Fankhauser, eds., *The International Library of Critical Writings in Economics: Sustainability Economics* (Cheltenham: Edward Elgar), 2018.

(4) "Ramsey's Theory of Optimum National Saving," *Stanford Encyclopedia of Philosophy*, 2019. [https://plato.stanford.edu/entries/ramsey-economics/\[23/06/2019\]](https://plato.stanford.edu/entries/ramsey-economics/[23/06/2019])

Taxation and Trade

(5) "Differential Taxation, Public Goods and Economic Efficiency" (with J.E. Stiglitz), *Review of Economic Studies*, Symposium on Public Finance, 1971, 38(2), 151-74. Reprinted in J. Scheraga, ed., *Discounting and Environmental Policy* (Aldershot: Ashgate), 2003.

(6) "On Optimal Taxation and Public Production" (with J.E. Stiglitz), *Review of Economic Studies*, 1972, 39(1), 87-103.

(7) "Benefit Cost Analysis and Trade Policies" (with JE Stiglitz), *Journal of Political Economy*, 1974, 83(1), 1-33.

(8) "Tariffs versus Quotas as Revenue Raising Devices under Uncertainty" (with J.E. Stiglitz), *American Economic Review*, 1977, 67(5), 975-81.

(9) "The Taxation of Exhaustible Resources" (with G.M. Heal and J.E. Stiglitz), in G. Hughes and G.M. Heal, eds., *Public Policy and the Tax System: Essays in Honour of James Meade*, Allen and Unwin (London), 1981, (pp.150-72). Reprinted in G.M. Heal, ed., *The International Library of Critical Writings in Economics: The Economics of Exhaustible Resources* (Cheltenham, UK: Edward Elgar), 1993 (pp. 219-244).

Development Planning

(10) "An Analysis of Two Approaches to Project Evaluation in Developing Countries", *Industrialization and Productivity* (UNIDO), 1970, Bulletin No. 15, 5-14.

(11) "A Comparative Analysis of the UNIDO Guidelines and the OECD Manual", *Bulletin of the Oxford University Institute of Economics and Statistics*, 1972, 34(1), 33-51.

(12) "The Social Value of Investment and the Shadow Wage Rate", in H. Schwartz and R. Berney, eds., *Social and Economic Dimensions of Project Evaluation*, being a Proceedings of a Symposium on the Use of Socio-Economic Investment Criteria in Project Evaluation (Washington, DC: Inter-American Development Bank), 1977 (pp. 113-24).

(13) "Project Appraisal, Foreign Exchange Constraints and Shadow Exchange Rates", in R. Stone and W. Peterson, eds., *Econometric Contributions to Public Policy*, being a Proceedings of a Round Table Conference held by the International Economic Association, (London: Macmillan Press), 1978 (pp. 249-67).

(14) "On Appropriate Technology", in A. Robinson, ed., *Appropriate Technologies for Third World Development*, being a Proceedings of a Round Table Conference held by the International Economic Association (London: Macmillan Press), 1979 (pp. 12-22).

(15) "Project Appraisal and Foreign Exchange Constraints" (with C. Blitzer

and J.E. Stiglitz), *Economic Journal*, 1981, 91(1), 58-74. Reprinted in, A.C. Harberger and G.P. Jenkins, eds., *The International Library of Critical Writings in Economics: Cost-Benefit Analysis* (Cheltenham: Edward Elgar), 2002.

Welfare, Justice, and the Theory of the State

(16) "Utilitarianism, Information and Rights", in A. Sen and B. Williams, eds., *Utilitarianism and Beyond* (Cambridge: Cambridge University Press), 1982 (pp. 199-218). Reprinted in R.N. Stichler and R. Hauptman, eds., *Ethics, Information and Technology: Readings* (Jefferson, NC: McFarland), 1998, pp. 131-51; and in G. Brosio and H.M. Hochman, eds., *The International Library of Critical Writings in Economics: Economic Justice* (Cheltenham, UK: Edward Elgar), 1998.

(17) "Positive Freedom, Markets and the Welfare State", *Oxford Review of Economic Policy*, 1986, 2(4), 25-36. Reprinted in D Helm, ed., *The Economic Borders of the State* (Oxford: Oxford University Press), 1989; and in F. Ackerman, D. Kiron, N.R. Goodwin, J.M. Harris, and K. Gallaher, eds., *Human Well-Being and Economics Goals, Part VIII* (Medford, MA: Tufts University Press), 2002.

(18) "Power and Control in the Good Polity", in A. Hamlin and P. Pettit, eds., *The Good Polity* (Oxford: Basil Blackwell), 1989 (pp. 169-90).

(19) "Modern Economics and the Idea of Citizenship", in *Social and Ethical Aspects of Economics: A Colloquium at the Vatican* (Vatican City: Pontifical Council for Justice and Peace), 1992.

(20) "Democracy and Other Goods" (with E.S. Maskin), in I. Shapiro and C. Hacker-Cordon ed., *Democracy's Value* (Cambridge: Cambridge University Press), 1999 (pp. 69-90).

(21) "The Fairest Vote of All" (with E.S. Maskin), *Scientific American*, 2004, 290(3), pp. 92-97.

(22) "On the Robustness of Majority Rule" (with E.S. Maskin), *Journal of the European Economic Association*, 2008, 6(5), 949-973. Reprinted in E. Maskin and A. Sen, *The Arrow Impossibility Theorem* (New York: Columbia University Press), 2014.

(23) "Comments on Liberty, Poverty and Development", in T. Garton Ash,

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