

## Curriculum Vitae

### SAUWAKON RATANAWIJITRASIN

เสาวคนธ์ รัตนวิจิตรศิลป์

张孟芸博士

#### BRIEF BIO

Dr. Sauwakon is Associate Professor and Head of the Department of Society and Health at the Faculty of Social Sciences and Humanities, Mahidol University in Thailand. She received BS degree in Pharmacy, MA and PhD degrees in Public Administration.

Dr. Sauwakon was Fulbright scholar at the Rockefeller College of Public Affairs and Administration, State University of New York at Albany in the USA. She was Takemi Fellow in International Health at Harvard School of Public Health. Her dissertation won the best dissertation award from the U.S. National Association of School of Public Affairs and Administration (NASPAA) in 1993.

Previously, Dr. Sauwakon served as Centre Director of South-East Asian Ministers of Education Organization-Regional Centre for Higher Education and Development (an international organization fostering higher education collaborations), Deputy Executive Director of the ASEAN University Network, Associate Dean of the College of Public Health at Chulalongkorn University, Deputy Director of Chula Unisearch, Vice President of the Pharmaceutical Association of Thailand, member of the Policy Council of System Dynamics Society. She was also an adviser to the Thai Parliament's Special Commission on National Health Insurance Bill, and adviser to the World Health Organization (WHO) and other organizations on various projects. She currently serves as adviser to the Global Health Standards Advisory Group of the United States Pharmacopeial Convention (USP).

Dr. Sauwakon's broad academic interests and expertise are in the areas of systems thinking, public policy and management, pharmaceutical and health systems, health insurance, medicine quality, higher education, and sustainable development. She has published, conducted research, taught, and managed organizations and projects related to health, pharmacy and education.

#### EDUCATION

- |      |       |  |
|------|-------|--|
| 1993 | Ph.D. | Public Administration, Rockefeller College of Public Affairs and Policy, State University of New York at Albany, U.S.A<br>Major Concentration: Policy and Decision Sciences<br>Minor Concentration: Comparative and Development Administration |
| 1987 | MA.   | Public Administration, Thammasat University, Thailand  |
| 1982 | BS.   | Pharmacy, Mahidol University, Thailand   |

#### WORK EXPERIENCE

##### Employment and Positions

- |              |   |
|--------------|---|
| 2018-present | Chair, Department of Society and Health, Faculty of Social Sciences and Humanities, Mahidol University                            |
| 2007-present | Associate Professor, Department of Society and Health, Faculty of Social Sciences and Humanities, Mahidol University              |
| 2011-2014    | Director, Southeast Asian Ministers of Education Organization-Regional Centre for Higher Education and Development (SEAMEO RIHED) |
| 2004-2006    | Associate Dean, College of Public Health, Chulalongkorn University  |

2001-2003	Deputy Executive Director, Association of Southeast Asian Nations (ASEAN) University Network (AUN)
1999-2005	Head, Drug Information Service, Faculty of Pharmaceutical Sciences, Chulalongkorn University
1998-2001	Head, Social Pharmacy Academic Unit, Faculty of Pharmaceutical Sciences, Chulalongkorn University
1997-1999	Deputy Director, Chula Unisearch (Chulalongkorn University's research management organization)
1993-2007	Assistant Professor and Associate Professor in Social and Administrative Pharmacy, Faculty of Pharmaceutical Sciences, Chulalongkorn University
1987-1988	Manager, Community Pharmacist Group (non-profit, non-governmental organization)
1984-1986	Pharmacist, Unichem Distributors
1983-1984	Food and Drug Technical Officer, Thai Food and Drug Administration, Ministry of Public Health
1982-1983	Pharmacist, Medical Unit, American Embassy, Bangkok
1982	Pharmacist, Saint Louise Hospital

### **Other Professional Experiences**

#### National, International, Other Organizations

2019-present	Distinguished Professor, Center for Drug Safety and Policy Research, Xi'an Jiaotong University, China.
2006-present	Secretary General, Pharmaceutical System Research and Development (PhaReD) Foundation (volunteer work for the non-profit, non-governmental organization)
2016-2019	Advisor, Global Health Standards Advisory Group (GHS AG), the United States Pharmacopeial Convention (USP)
2019	Consultant, Treasury Department, Thailand, provide training on management enhancement using routine data for research and innovation, with study visit to Beijing and Shanghai on Mega-city design and development.
2017-2018	Consultant, United States Pharmacopeial Convention--USP-PQM to provide technical support to strengthen drug regulation in Bangladesh.
2017-2018	Committee Member, Committee to Develop Standards and Guidelines for Medicine Information to Consumers, Ministry of Public Health, Thailand
2017	ASEAN Expert, Central European University, on Higher education reform and quality assurance in Myanmar.
2015	International Consultant, Asian Development Bank (ADB), on Innovations in Education and Human Resources Development for Competitiveness towards an Integrated ASEAN Community.
2015	ASEAN Expert Consultant, Central European University, on University governance in Myanmar.
Various years	Adviser to the World Health Organization (WHO) on: <ul style="list-style-type: none"> <li>• situation analysis of medicines in health care system in Timor Leste (2015)</li> <li>• Pharmaceutical pricing policies (2011),</li> <li>• Rational use of medicines (2010, 2006),</li> <li>• the Role of education in rational use of medicines (2007),</li> <li>• Intellectual Property Rights, Innovation and Public Health (2005),</li> <li>• Access to medicines (2000),</li> <li>• Drug regulation (2000),</li> </ul>

- Multi-Country Study for Effective Drug Regulation, as research adviser (1998-1999)
  - Comparative analysis of National Drug Policies (1998, 1996)
- 2008-2010 Advisor, Sufficiency Economy Research and National Development Institute, Thailand
- 2007-2008 Member of the Task Force to Study Future Scenarios and Roadmap to Sustainable Universal Health Insurance for Thailand, Health Insurance System Research Organization
- 2006-2008 Member of the Steering Board on Thailand's Drug System Research and Development Program, Health System Research Institute
- 2006-2007 Member of the Steering Board, Institute of Community-Based Health Care Research and Development, Health System Research Institute
- 2005 Member of the United States Pharmacopeia (USP) Advisory Panel
- 2003-2004 Secretary to the Task Forces to develop outpatient drug list and reimbursement price list for the Thai Civil Service Medical Benefits Scheme, Ministry of Finance
- 2003-2004 Member of the Advisory Committee on Health Service Research, Health System Research Institute
- 2003 Member of the Task Force to formulate road map for Thailand's biotechnology development
- 2002 Adviser to the Office of the Auditor General, Ministry of Finance, on pharmaceutical supply system management
- 2002 Consultant to (US-based) Management Science for Health (MSH) on the Strategies for Enhancing Access to Medicines (SEAM) Project in Cambodia
- 2001-2002 Adviser to Thailand's Parliamentary Special Commission on National Health Insurance Bill
- 2001-2002 Manager, Drug System Research Program, Health System Research Institute
- 2000 Member of the Technical Advisory Board to design systems for universal health insurance coverage, Health System Research Institute
- 1999-2000 Member of the Coordinating and Advisory Committee on Pharmaceutical Supply System Management, Ministry of Public Health
- 1997, 2001 Member of the Subcommittee on Promotion of Rational Drug Use, under the National Drug Committee
- 1995-2000 Member of the Technical Advisory Board, Civil Service Medical Benefits Scheme Reform Project, Health System Research Institute
- 1994-2003 Consultant on Rational Use of Drugs Program, College of Public Health, Chulalongkorn University
- 1993 Associate Faculty Member, Natural Resources Development & Management Program, Asian Institute of Technology
- 1991 Research Consultant, Catskill Land Use Development Survey, New York Planning Federation (non-profit, non-governmental organization), Albany, New York, USA

#### Professional Organizations

- 2010-2013 Vice President, the Pharmaceutical Association of Thailand (under Royal Patronage) (Elected office)
- 2001 Adviser to the Sub-Committee to Develop Standards for Community Pharmacy Profession, Thai Pharmaceutical Council
- 1995-1997 Member of Technical Sub-Committee and Public Relation Sub-Committee, Thai Pharmaceutical Council
- 1994-1996 Member of the Policy Council, System Dynamics Society (International)

1994 Member of the Committee to develop ethical guidelines, Community Pharmacist Group

#### Universities

2016-2018 Program Director, International Graduate Programs (MA & PhD) in Health Social Sciences, Faculty of Social Sciences and Humanities, Mahidol University. (Have been Member of Program Committee since 2007)

2006-2007 Member of Program Committee, International Graduate Program in Health Economics (International), Faculty of Economics, Chulalongkorn University

2000-2005 Member of Program Committee, International Graduate Program in Social and Administrative Pharmacy, Faculty of Pharmaceutical Sciences, Chulalongkorn University

1994-1995, 2002-2006 Member of Program Committee, International Graduate Program in Public Health, College of Public Health, Chulalongkorn University

1994-2003 Member of Research Committee, Faculty of Pharmaceutical Sciences, Chulalongkorn University

1994-1995 Member and Secretary to the Planning and Development Committee, Faculty of Pharmaceutical Sciences, Chulalongkorn University

#### Student Organizations

1980-1982 Central Committee Member, Inter-University Pharmacy Student Federation, Thailand

1981-1982 Executive Council Member for Professional Affairs, Pharmacy Student Government, Mahidol University (Elected office)

1980-1981 Executive Committee Member, Faculty of Pharmacy Science Group, Mahidol University

1979-1980 Treasurer, Student Council, Faculty of Pharmacy, Mahidol University (Elected office)

1975-1976 Chair, Student Assembly, Suksanaree School, (Elected office)

#### Editorial, Training, and Conference Responsibilities (Partial List)

- Member of the editorial board, Global Health Journal (GHJ), 2019-present.
- Course Director, training course on Routine-to-Research-to-Routine, Crown Property Bureau, 2016.
- Reviewer of various academic journals and other publications, for example: Value in Health (International), Social Science and Medicine (International), Tinjauan-Policy and Management Review (Brunei Darussalam), Health Systems Research Journal (Thailand), Journal of Pharmaceutical Sciences (Thailand)
- Reviewer of research projects or papers for various organizations, for example: World Health Organization, System Dynamics Society, Health Systems Research Institute
- Editor of Thai Drug Information Bulletin, Faculty of Pharmaceutical Sciences, Chulalongkorn University (1999-2005), and Community Pharmacists Bulletin (1987-1988)
- Member of the Scientific/ Program Committee for conferences, for example, International Conference on Improving Use of Medicines (ICIUM), International Conference on System Science in Health Care
- Lecturer, Medicines coverage in health insurance systems in Asia, organized by Harvard Medical School, Beijing, 2012.
- Co-Director of the international course on Evidence, Money, and Drug Selection: A Short Course in Pharmaco-economics, WHO, 2002-2003.

- Lecturer, World Bank Flagship Course on Health Sector Reform and Sustainable Financing, Harvard University and Chulalongkorn University, 2003

## PUBLICATION, PAPER, AND THESIS

### Books/Book Chapters

- S Ratanawijitrasin (2015) "The Evolving Landscape of South-east Asian Higher Education and the Challenges of Governance," in A Curaj, L Matei, R Pricopie, J Salmi and P Scott (eds.) *The European Higher Education Area: Between Critical Reflections and Future Policies*. Springer. DOI 10.1007/978-3-319-20877-0\_15. [English]
- S Ratanawijitrasin and S Phanouvong (2014) *The State of Medicine Quality in the Mekong Sub-Region*. Bangkok, Thailand: Institut de Recherche sur l'Asie du Sud-Est Contemporaine. [English]
- K Eggleston, YK Do, H Li, Q Zhang, S Ratanawijitrasin, X Wang, S Aljunid, LTK Anh, N Shah, S Vidyasagar, S Hirunrassamee, Q Lou, CV Anh, KL Bairy, J Wang, S Sulong, AM Nur, and J Goldhaber-Fiebert (2010) "The Diabetes Epidemic in the Asia-Pacific," in K Eggleston and S Tuljapurkar (eds) *Aging Asia: the Economic and Social Implications of Rapid Demographic Change in China, Japan, and South Korea*. Palo Alto, CA: Walter H. Shorenstein Asia-Pacific Research Center, Stanford University. [English]
- S Ratanawijitrasin. (2009). "Pharmaceutical Policy in Thailand: A Review of Three Decades of Government Interventions," in K Eggleston (ed) *Prescribing Cultures and Pharmaceutical Policy in the Asia-Pacific*. Palo Alto, CA: Walter H. Shorenstein Asia-Pacific Research Center, Stanford University. [English]
- S Ratanawijitrasin and S Taychakhoonavudh. (2009) *Mapping Supply of Avian Influenza Medicines in Thailand*. Rockville, Md.: The United States Pharmacopeial Convention. [English]
- S Ratanawijitrasin. (2008) "Principles of Using Indicators in Measurement," in Thida Ningsananda and S Ratanawijitrasin (eds) *Indicators for Pharmacy System in Hospitals*. Bangkok: Pharmaceutical System Research and Intelligence Center. [Thai]
- S Ratanawijitrasin. (2005) *Health Insurance: an In-depth Guide*. Bangkok, Thailand: Chulalongkorn University Press. [Thai]
- S Ratanawijitrasin and E Wondemagegnehu. (2002) *Effective Drug Regulation: A Multi-country Study*. Geneva: World Health Organization. [English]
- S Ratanawijitrasin. (2001) *Health Sector Reform: Experiences from Ten Countries*. Bangkok, Thailand: Health System Research Institute. [Thai]
- S Ratanawijitrasin and V Kulsomboon. (2001) Pharmaceutical Administrative Reform. In J Thamaree (ed) *Health Insurance Systems in Thailand*. Bangkok, Thailand: Health System Research Institute. [Thai]
- S Ratanawijitrasin. (1999) "Tradename-Free Hospital: Towards Good Governance in National Drug Policy Implementation," in RR Chaudhury (ed) *International Experience in Rational Use of Drugs*, vol III. [English]
- WS Janjaroen, S Ratanawijitrasin, S Suppakanjanakunti, S Khongsin, S Pongpanit. (1998) "Health Economics Research," in N Pamornprawatt, K Tantasirin, and Y Porapakkam (eds) *Strategic Plan for Health Research*. Bangkok: National Research Committee. [Thai]

## Peer-Reviewed Articles

- Myo Tun, S Ratanawijitrasin, D Phukao, SC Peak (2019). Women's Beliefs about the Utilization of Antenatal Services and their Determinants: A Qualitative Study in Three Townships of Chin State, Myanmar. *Journal of Population and Social Studies*, 27(1): 23 - 38. [English]
- KA Holloway, A Kotwani, G Batmanabane, B Santoso, S Ratanawijitrasin, D Henry. (2018) "Promoting quality use of medicines in South-East Asia: reports from country situational analyses," *BMC Health Services Research*. 18:526. [English]
- LF Garabedian, D Ross-Degnan, S Ratanawijitrasin, P Stephens, AK Wagner. (2012) "Impact of universal health insurance coverage in Thailand on sales and market share of medicines for non-communicable diseases: an interrupted time series study," *BMJ Open* 2012; 2: e001686. doi:10.1136. [English]
- JD Goldhaber-Fiebert, H Li, S Ratanawijitrasin, S Vidyasagar, XY Wang, S Aljunid, N Shah, Z Wang, S Hirunrassamee, KL Bairy, J Wang, S Saperi, AM Nur, and K Eggleston. (2010). "Inpatient treatment of diabetic patients in Asia: Evidence from India, China, Thailand, and Malaysia," *Diabetic Medicine* 27, 101-108. [English]
- S Hirunrassamee and S Ratanawijitrasin. (2009) "Does your health care depend on how your insurer pays providers?: variation in utilization and outcomes in Thailand.," *International Journal of Healthcare Finance and Economics*. 9(2): 153-168. [English]
- R Dhakal, S Ratanawijitrasin, and S Srithamrongsawat. (2009) "Addressing the challenges to health sector decentralization in Nepal: an inquiry into the policy and implementation processes," *Nepal Med Coll J* 11(3): 152-157. [English]
- S Ratanawijitrasin. (2005) "Select the Right Drug, Select the Right Drug List," *Journal of Health Science*. 14(5): 749-759. [Thai]
- J Chalker, S Ratanawijitrasin, NTK Chuc, M Petzold, and G Tomson. (2005) "Effectiveness of A Multi-Component Intervention on Dispensing Practices at Private Pharmacies in Vietnam and Thailand - A Randomized Controlled Trial," *Social Sciences and Medicines*. 60(1): 131-141. [English]
- S Ratanawijitrasin, S Soumerai, and K Weerasuriya. (2001) "Do National Drug Policies and Essential Drug Programs Improve Drug Use?: A Review of Experiences in Developing Countries," *Social Science and Medicine*. 53(7): 831-844. [English]
- S Supakankunti, WS. Janjaroen, O Tangphao, S Ratanawijitrasin, P Kraipornsak, and P Pradithvanij. (2001) "Impact of the World Trade Organization TRIPS Agreement on the Pharmaceutical Industry in Thailand," *Bulletin of the World Health Organization*. 79: 461-470. [English]
- S Ratanawijitrasin. (1999) "Managed Care: Systems of Health Service and Insurance Network," *Thai Journal of Hospital Pharmacy*. 9(3): 273-282. [Thai]
- S Ratanawijitrasin, S Seega, S Loongban. (1999) "Relicensing: Are Thai Pharmacists Ready?" *The Thai Journal of Pharmaceutical Sciences*. 23(4): 153-163. [Thai]
- S Ratanawijitrasin. (1999) "Future Pharmacist: Key Determinant of the Direction of Pharmacy Education" *The Thai Journal of Pharmaceutical Sciences*, 23(1): 1-8. [Thai]
- S Ratanawijitrasin. (1998) "Community Pharmacy-Hospital Network in Integrated Health Service System," *Health Systems Research Journal*, 6(1): 25-34. [Thai]
- S Ratanawijitrasin and P Sikhavute. (1997) "The State of the Thai National Drug Policy: An Indicator Analysis." *The Thai Journal of Pharmaceutical Sciences*, 21(3): 127-136. [English]

- S Ratanawijitrasin (1997) "Drug Use Situation in Thailand: Identifying Problems and Developing Strategies for Rational Use of Drugs," *Australian Prescriber* 20 (Supplement 1): 137-139. [English]
- S Thanaviriyakul, S Ratanawijitrasin, Y Sirisinsuk, and W Sriwiriyanupap. (1996) "Development of Indicators for Investigating Drug Use in Drugstores," *The Thai Journal of Pharmaceutical Sciences*, 20 (4): 247-259. [Thai]
- S Ratanawijitrasin, DF Andersen, GP Richardson, and I Lurie. (1990) "The Implementation of Welfare Reform Initiatives: A Preliminary System Dynamics Model," *System Dynamics: An International Journal of Policy Modeling*, 3 (1&2): 49-68. [English]

#### **Conference Paper, Conference Presentation, and Other Papers (Partial List)**

- S Ratanawijitrasin. (2017) "ASEAN Mutual Recognition Arrangement on Medical Practitioners and the Challenge of Regional Policy Implementation," 5th International Conference on Global Health and Society, 27-28 Jan 2017, Tagaytay, the Philippines.
- S Ratanawijitrasin. (2015) "Harmonization of Higher Education and Professional Education for Medical and Nursing Professions in Southeast Asia," Study Report to Asian Development Bank.
- S Ratanawijitrasin and S Hirunrassamee (2011). "Measuring Adherence to Chronic Disease Treatment Using Dispensing Data: An Example from Thailand," 3rd International Conference on Improving Use of Medicines, 14-18 Nov 2011, Antalya, Turkey.
- S Ratanawijitrasin and S Hirunrassamee (2011). "Effects of Listing and Delisting in National Essential Medicine List on Utilization Patterns," 3rd International Conference on Improving Use of Medicines, 14-18 Nov 2011, Antalya, Turkey.
- S Ratanawijitrasin, P Panyawuthikrai, S Suttajit, and D Hongsamoot. (2002) "Changing Drug Seller Behavior on Child Diarrhea Management: Effectiveness of Training Program and Implications of Knowledge-Practice Gap," Presented at the 7th Annual International Meeting of the International Society for Pharmacoeconomics and Outcome Research, Arlington, Virginia, USA.
- S Ratanawijitrasin. (1997) "Regulating Drug Information: Government Intervention, Interest Group Politics, and Generic Labeling Policy in Thailand," in J. Rovira, W. van Eimeren, and G. Durn (eds). *Moving Health Care into the New Century: Proceedings of the 6th International Conference on System Science in Health Care, 1996*. Barcelona, Spain: Institut für Medizinische Informatik und Systemforschung.
- S Ratanawijitrasin. (1993) "Containing Health Expenditures: The American Health Financing Policies." Presented at the International System Dynamics Conference, Cancun, Mexico, Jul 1993.
- GP Richardson, DF Andersen, I Lurie, and S Ratanawijitrasin. (1990) "Simulating the Dynamics of Social Program Management: The Case of JOBS Implementation." Paper presented at the Annual Research Conference of the Association for Public Policy Analysis and Management, San Francisco, CA, Oct. 1990.
- DF Andersen, GP Richardson, I Lurie, and S Ratanawijitrasin. (1990) "Simulation Modeling to Enhance Information System Design: The Case of Welfare Reform." Paper presented at The Operation Research Society of America/ The Information Management Society Joint National Meeting, Philadelphia, PA, Oct. 1990.

#### **Theses**

- Sauwakon Ratanawijitrasin. (1993) *The Dynamics of Health Care Finance: A Feedback View of System Behavior*. Doctoral Dissertation, Rockefeller College of Public Affairs and Policy, State University of New York at Albany.

Sauwakon Ratanawijitrasin. (1987) Essential Drug Policy: Implementation and Evaluation. Master Thesis, Thammasat University, Bangkok.

### Other Publications

- S Ratanawijitrasin. "The True and the False Health Insurance Capitation Payments," Matichon Newspaper, 9 Dec 2006. [Thai]
- S Ratanawijitrasin. "Repealing the 30 Baht Co-payment: Free Services are Not Free," Matichon Newspaper, 9 Nov 2006. [Thai]
- S Ratanawijitrasin. (1999) "Evidence-Based Medicine and Information Roles of Pharmacist," Thai Drug Information Bulletin, 12(3): 22-27. [Thai]
- S Ratanawijitrasin. (1998) "The PQRS for Managing Drug Procurement." Discussion paper for Workshop to reform drug procurement system. Bangkok. 8 Oct 1998. [Thai]
- A Mehmood, S Ratanawijitrasin, W Phoolcharoen, and W Rojanapithayakorn. (1997) "AIDS Epidemic and Commercial Sex Industry: A System Dynamics Model for Simulating AIDS Policies," [www.un.org.pk/rgf/index.html](http://www.un.org.pk/rgf/index.html). [English]
- S Ratanawijitrasin. Hia Guang lam: Life and Work of an Overseas Chinese Hero. Translated from Amphorn Iamsuri. Hia Guang lam: A Biography. 1st ed. (1994) Bangkok, Thailand: Media Press; 2nd ed. (2005) Bangkok, Thailand: Banan Phra Arthit Publications. [translated from Chinese to Thai]
- S Ratanawijitrasin. (1998) "Redesign Drug Procurement System: Mechanisms for Preventing Corruption," Matichon Newspaper, 20 Sep 1998. [Thai]

### INVITED SPEECHES (Partial List)

- "Thailand's Health System Reform: Past, Present, and Future Challenges," School of Health Management, Harbin Medical University, 10 Jan 2020.
- "Systems Thinking to Enhance the Role of Health Profession in Disaster Management," The 6th International Conference of Health Science, Yogyakarta, Indonesia, 12 Oct 2019.
- "Health at the Intersection of National and Regional Economic Policies: The Case of Thailand and ASEAN," The 3rd Belt & Road Initiative Global Health International Congress & 2019 Global Health Forum of the University Alliance of the Silk Road, Xi'an, China, 14 Sep 2019.
- "Advocacy Design of Health Policy," Keynote speech at the 8th National Forum of Indonesian Health Policy Network. Yogyakarta, Indonesia, 8 Nov 2018.
- "Challenges in Health System Development amidst the Changing Context," The Road to Healthy Inner Mongolia Conference. Hohhot, China, 31 Aug 2018.
- "Ya&You: Transforming Medicine Information Services to the Public," Healthcare Technology Summit. Bangkok, Thailand, 27-28 Jun 2016.
- "Towards the Era of Regional Integration: Challenges of South-east Asian Higher Education Amidst the Evolving Landscape," ASEAN Higher Education Forum. Kuala Lumpur, Malaysia, 9 Jun 2015.
- "ASEAN Higher Education QA Framework and Credit Transfer System," UNESCO 13th Session of the Regional Committee on the Recognition of Qualifications in Higher Education in Asia and the Pacific and Regional Workshop on Quality Assurance in Higher Education, Colombo, Sri Lanka, 4-5 Aug 2014.
- "Key Higher Education Harmonization Mechanisms for a more Integrated Southeast Asia," Workshop on Institutional Autonomy, Funding, Quality Assurance and Private Higher Education: Best Practices from ASEAN and Beyond, Yangon, Myanmar, 26 – 27 May 2014.
- "The Evolving Landscape of South-east Asian Higher Education and the Challenges of Governance," paper presented at the 2nd Bologna Process Researchers' Conference, Bucharest, Romania, 24-26 Nov 2014.



- “Towards the Era of ASEAN Integration: Higher Education Harmonization and the Bologna Model,” Keynote address, the National Conference of the Philippine Association of Communication Educators, La Trinidad, the Philippines, 3 Apr 2014.
- “Introduction to AIMS Programme,” Symposium on Core-Human Resource Education Program for economic development, trust-built, and peace in Asia, Hiroshima University, Hiroshima, Japan, 6 Mar 2014.
- “The AIMS Programme: student mobility as a key mechanism to cultivate globalized human resources,” and “Strengthening capacity to promote education and social development in Southeast Asia,” Symposium on Bridging the ASEAN Community and Japan through Education, Tsukuba University, Tsukuba, Japan, 21-22 Feb 2014.
- “Development of South-east Asia Higher Education Common Space,” International Conference on the External Dimension of the Bologna Process, Dresden, Germany, 9 Oct 2013.
- “Vision and Current Trends of Student Mobility,” Keynote Speech, ASEAN+3 Higher Education Quality Assurance Forum, (Japan) National Institution for Academic Degrees and Quality Enhancement in Higher Education (NIAD-QE). Tokyo, Japan, 1 Oct 2013.
- “Constraints on regulatory capacity,” Workshop on Strengthening Medicines Regulatory Systems Abroad: Adapting Messages from Recent IOM Consensus Studies for Disease Control Priorities, 3rd Edition, Institute of Medicine (IOM), Washington DC, 12-13 Sep 2013.
- “Current trends and future perspectives of international collaboration in the field of higher education: From the perspective of South East Asia,” Keynote Address, International Symposium on Fostering Future Leaders for Development, Nagoya, Japan, 5 Feb 2013.
- “Promoting Higher Education Common Space,” China-ASEAN University Rectors Forum, Guiyang, China, 18 Sep 2012.
- “Quality of Human Medicines in the Greater Mekong Sub-region,” at the Asia-Pacific Regional Seminar for OIE National Focal Points on Veterinary Products, World Organization for Animal Health (OIE), Bangkok, Thailand, 10-13 Jul 2012.
- “Implementing NMP to Achieve Universal Access to Essential Medicines in Thailand,” Asia Pacific Conference on National Medicines Policies, Sydney, Australia, 26-29 May 2012.
- “Thailand’s Great Water Waltz of 2011: Implications for Education Design,” Panel on “The Role of Education in Natural Disasters (Earthquakes, Tsunamis, Volcanic Eruptions, Typhoons, and Floods).” CRICED-SEAMEO International Symposium, Tsukuba University, Tsukuba, Japan, 14 Feb 2012.
- “Regulation and policy to protect and empower the consumer,” and “Review of best practices and knowledge in the rational use of medicines,” at WHO-SEARO Regional Meeting on Rational Use of Medicines, New Delhi, India, 13-15 Jul 2010.
- “Systems Thinking for Combating Chronic Diseases,” 11th Healthcare Accreditation National Forum, Bangkok, Thailand, 9-12 Mar 2010.
- “Quality of Drugs for Infectious Diseases in the Mekong Sub-Region: A Preliminary Analysis,” Mekong Health Congress, Vientiane, Lao PDR, 25-19 Jan 2010.
- “Health Insurance Reimbursement Policy Trends: Thailand,” Asia Pacific Pricing & Reimbursement Future Trends Workshop, Singapore, 20 Jun 2009.
- “Using Hospital Data to Inform Medicines Policy Decision Making in Thailand”), Forum on Pharmaceutical Policy Issues in Insurance System, Beijing, 21 March 2009.
- “Compulsory Equitable Benefit vs. Consumer Choice with Cost Sharing,” in paper series “Value Framework for Universal Health Insurance Benefits Design.” Bangkok, Thailand, 2008.
- “First-Baht Primary Care vs. Catastrophic Tertiary Care,” in paper series “Value Framework for Universal Health Insurance Benefits Design.” Health Insurance System Research Organization, Bangkok, Thailand, 2008.
- “Implications of Policy on Health Care,” 1st Asia-Pacific Conference on Health Policy & Planning in an Era of Emerging Technologies and Cancer, Kuala Lumpur, 17-18 Nov 2008.

- “Inter-scheme Discrepancies in Pharmaceutical Utilization among Beneficiaries of Public Health Insurance Systems in Thailand,” and “Access to and Efficiency of Hospital Services in Multiple Health Insurance Payment Environments (Thailand),” Provider Payment Incentives in the Asia-Pacific Conference, Peking University, Beijing, China, 7-8 Nov 2008.
- “Comprehensive Disease Management for Continuous Quality of Care in Diabetes,” 8th National Forum of the Institute for Hospital Quality Improvement and Accreditation, Bangkok, Mar 2007.
- “Trends in Public Health and Key Challenges for Health Service Management,” Asian Institute of Technology (AIT) program on Effective Management Skills and Techniques, Bangkok, Oct 2006.
- “Drug Regulation and Incentives for Innovation: The Case of ASEAN.” Paper commissioned by the Commission on Intellectual Property Rights, Innovation and Public Health (CIPIH), the World Health Organization, and presented at the CIPIH Workshop, World Health Organization, Geneva, Switzerland, May 2005.
- “Systems Thinking,” 6th National Forum of the Institute for Hospital Quality Improvement and Accreditation, Bangkok, Mar 2005.
- “Challenges in Medical and Health Data Standards Development,” Panel discussion, Conference on Thailand’s Medical and Health Information. Pathumthani, Dec 2004.
- “Health Care Financing: Civil Service Medical Benefits Scheme Reform.” Proceedings, Conference on Health Financing Reform Strategies. Health System Research Institute. Bangkok, Oct 2004.
- “Pharmaco-economics & Efforts to Rationalize Drug Selection Decision-Making in Thailand,” 8th World Congress on Clinical Pharmacology and Therapeutics, Brisbane, Aug 2004.
- “Insurance Coverage of Medicines: Opportunities and Challenges,” International Conference on Improving Use of Medicines, Chiang Mai, Mar 2004.
- “Roles of Drug Regulation in Promoting Rational Use of Drugs” and “Drug Regulation in the Real World: Overview of the Issues,” Conference on Strategies to Enhance Access to Medicines, Dar es Salaam, Dec 2003.
- “System of Pharmacy Services,” Conference on Health Insurance Systems in Thailand. Health System Research Institute. Bangkok, Thailand, 2003.
- “Lessons from the 30-Baht Health Insurance Scheme on National Health Insurance Law,” The Parliament, Bangkok, Thailand, Mar 2002.
- “Health Sector Reform and Pharmacy Practice,” Thai Pharmaceutical Council, Bangkok, Thailand, 2001.
- “Protection of Intellectual Property vs. Protection of Public Health: Ethics and Politics.” Symposium on International Health and Medical Ethics, Harvard School of Public Health and Japan Medical Association, Tokyo, Dec 2000.
- “Health Care Reform and Pharmacy Services.” Panel Discussion, Thai Pharmacy Congress, Bangkok, Jan 2000.
- “Postgraduate Training for Pharmacists: Is It Needed?” Panel Discussion, Joint Symposium: Hospital Pharmacy and Academic Sections, 58th International Congress of International Pharmaceutical Federation (FIP), the Hague, Netherland, Sep 1998.
- “Social and Administrative Pharmacy Research: A Building Block of Population-Based Pharmaceutical Care.” Annual Research Conference, Faculty of Pharmaceutical Sciences, Chulalongkorn University, Thailand, Dec 1997.
- “Generic Labeling Requirements: Policy and Politics of Providing Consumer Drug Information in Thailand.” School of Pharmacy, University of Maryland at Baltimore, US, Apr 1996.
- “Total Quality Management and Pharmacy.” Conference to Commemorate the 25th Anniversary of the Faculty of Pharmacy, Mahidol University, Bangkok, Thailand, Jun 1995.
- “Health Technology Assessment and Rational Use of Drugs,” Panel Discussion on “Current Issues in Pharmaco-economics and Public Health in Thailand.” International Workshop on Pharmaco-epidemiology and Pharmaco-economics for the Implementation of National Drug Policy, Chiang Mai, Thailand, Apr. 1995.
- “Drug Use Situation in Thailand and the Development of Drug Use Indicators.” Conference to Commemorate the 80th Anniversary of Thailand's Pharmacy Education, Bangkok, Jun 1994.

“HMO and Health Service Networks in the U.S.” Seminar on Service Delivery Networks under Medical Insurance Program, Department of Social Insurance, Ministry of Labor and Social Welfare, Bangkok, Jan 1994.

#### **MASS MEDIA INTERVIEWS (Partial List)**

Interviewed on “Higher education in South-East Asia” Vietnam News. 21 Mar 2014.

Interviewed on “Web technologies to empower consumer in rational use of medicine” Thai TV Channel 9. Aired 12 Nov 2010.

Interviewed on “Thailand and South-East Asia preparedness of drugs and vaccines for emerging influenza epidemic” Thai TV Channel 7. Aired 29 May 2009.

Interviewed in the My Life section. “A new online drug database that aims to improve life quality” the Bangkok Post. 15 Jan 2009

Interviewed in Par Claire Sauvaire’s report. “Le Pharmacie Thailand Daise: au Pays des Pharmacsseurs” Le Moniteur des Pharmacies. #2632(1):20-30, 10 juin 2006.

Interviewed in “Pharmacy Network,” Bulletin of the Community Pharmacy Association. 5(22): 12, 22 Sept 2005.

Interviewed and featured in “Special Documentary to Commemorate the 20th Anniversary of Takemi Program in International Health,” NHK. Aired in Japan 31 Jan 2004.

Interviewed in Anjira Assavanonda’s report. “No-one knows if providers can cope on 1,202 baht a head,” Bangkok Post. 1 April 2002.

Group interview in Tokyo for “The Pharmaceutical Scene in this Era of Globalization, Part II: Activities of INRUD and the East Asian Pharmaceutical Scene,” Clinical Evaluation. 28(3): 471-478: 2001.

Interviewed in “New Alternative to Prevent Drug Procurement Corruption,” Direct Questions Program, Thai TV Channel 9. Aired 23 Sept 1998.

Interviewed in “The Way Out from Drug Procurement Scandal,” National Events Program, Thai TV Channel 3. Aired 20 Sept 1998.

#### **RESEARCH AND RESEARCH & DEVELOPMENT PROJECTS**

Have served as project director and/or principal investigator of the following projects:

- |           |  |
|-----------|--|
| 2016-2017 | Development of smart electronic patient personal profile for kids (funded by National Science and Technology Development Agency, Thailand)   |
| 2009-2011 | Helping schools manage their medicines and related services (funded by Bupa Giving, UK)  |
| 2008-2011 | Development of consumer drug and health Information website. (funded by National Science and Technology Development Agency, Thailand) (Produced Ya&You website which has been #1 medicine information website in Thailand since its first year.) |
| 2008-2010 | Drug Utilization Analysis (funded by Department of Medical Services, Ministry of Public Health, Thailand)  |
| 2009      | Review of Best Practice and Knowledge Management in Rational Use of Medicines—Clinical Practice Guidelines & Patient Safety in Medicine Use (funded by the World Health Organization South-East Asia Regional Office (WHO-SEARO))                |
| 2007-2009 | Drug quality information system development (funded by USAID through United States Pharmacopeia (USP))   |
| 2008      | Factors relevant to country introduction of new and improved tuberculosis treatments—Thailand component (funded by Global Alliance for TB Drug Development (TB Alliance) through US-based Management Science for Health)                         |

- 2007-2008 Mapping supply and distribution of avian influenza medicines (funded by USAID through United States Pharmacopeia (USP))
- 2007-2008 Pharmaceutical Cost Sharing in Health Insurance: A Review of Systems in Ten Countries (funded by Health Insurance System Research Organization, Thailand)
- 2007 Government Medicine Procurement Management and Regulation Review (funded by Health System Research Institute, Thailand)
- 2007 Learning for All Ages: Population Trends and Policy Agenda for the Future Society, Policy issue paper (funded by Policy Research and Development Institute, Thailand)
- 2006-2007 Hospital Pharmaceutical Information Support Project (funded by Health System Research Institute, Thailand)
- 2006-2007 Development of System and Mechanisms to Monitor Drug Quality (funded by National Health Security Office, Thailand)
- 2006 Pharmaceutical Industry Information Need Assessment (funded by Health System Research Institute, Thailand)
- 2005-2006 Implementation of Multi-Level Practice Guideline with IT Support Project (funded by Office of Health Service Practice Guideline Development, Thailand)
- 2005-2006 Hospital Pharmaceutical Information Support Project (funded by Health System Research Institute, Thailand)
- 2005 Regulation and Incentives for Innovation: The Case of Thailand and ASEAN. (funded by the Commission on Intellectual Property Rights, Innovation and Public Health (CIPIH), the World Health Organization (WHO))
- 2004 Strategic Plan for Drug System Development (funded by Thai National Drug Policy Committee)
- 2003-2004 Development of Formulary, Price List, and Drug Claim Data Transfer System for the Civil Service Medical Benefits Scheme (funded by Department of Comptroller General, Ministry of Finance through Health System Research Institute)
- 2002-2003 Pharmaceutical Benefits Design for the Civil Service Medical Benefits Scheme (funded by Department of Comptroller General, Ministry of Finance, Thailand)
- 1997-2000 Towards Good Pharmacy Practice in Thailand and Vietnam: A Multi-Intervention Approach to Rationalize Drug Use through Private Pharmacies (In collaboration with Karolinska Institutet, Sweden; London School of Hygiene and Tropical Medicine, UK; and Hanoi College of Pharmacy, Vietnam) (funded by the European Commission (EC))
- 1997 HIV/AIDS Policy Model (funded by United Nations' Development Programme (UNDP), Regional Governance Resource Facility, Islamabad)
- 1995-1996 Comparative Analysis of National Drug Policies- Thailand country study (Joint project coordinated by World Health Organization; Karolinska Institutet, Sweden; and Harvard School of Public Health, USA) (funded by World Health Organization (WHO))
- 1988 Drug Consumption Behavior and Community Pharmacy Services (funded by Thai Community Pharmacist Group)

Have served as researcher/evaluator of the following projects:

- 2006-2007 Evaluation of Thai Health Global Link Initiative Project (funded by Thai Health Promotion Foundation)
- 2006 Evaluation of Health Information System Development Program (funded by Thai Health Promotion Foundation)

2003	Current Status and National Goals for the Development of Biomedical Technology (funded by Committee to evaluate current status and trend, and development of roadmap for Thailand's biotechnology)
1999-2000	Geographical Information System for Data Management in Bangkok Metropolitan Administration Agencies (funded by Bangkok Metropolitan Administration)
1999	Study on the Implications of the TRIPS Agreement on Thailand (funded by World Health Organization's South-East Asian Regional Office (WHO-SEARO))
1998	Preliminary Study of the Impacts of Free Trade and Service Policy on the Thai Health Care System (funded by Thailand Research Fund)
1997-1998	Evaluating Essential Drug Policy Implementation Process, Effectiveness, and Development of Policy Information System (funded by the World Health Organization)
1998	Survey of Technical Collaboration Projects between Countries in South-East Asia Region and Western Countries (funded by New Energy and Industrial Technology Development Organization (NEDO), Japan)
1995	Drug Utilization in Thailand: Drug Use Indicator Study in Community Pharmacies (funded by Chulalongkorn University, Thailand)
1991	Vermont Medicaid Modeling Project (funded by Vermont State Government, USA)
1987	Policy and Strategy for Drug Pricing Regulation (funded by Chulalongkorn University, Thailand)

#### **AWARD, SCHOLARSHIP, AND FELLOWSHIP**

2018	Distinguished Alumni Award, on the Occasion of 50 <sup>th</sup> Anniversary of the Faculty of Pharmacy, Mahidol University
2017	Erasmus+ International Mobility Grant for teaching staff, European Union, at the University College Dublin, Ireland
1995-1996	Takemi Fellow in International Health, Harvard School of Public Health
1993	Dissertation Award, (U.S.) National Association of Schools of Public Affairs and Administration (NASPAA)
1991	Orville Poland Award for academic excellence, State University of New York at Albany
1990-1993	Graduate Assistantship, State University of New York at Albany
1990-1993	Tuition Award, State University of New York at Albany
1988-1990	Fulbright Scholarship, United States Government
1985	National Youth Delegate to the United Nations' Asia/Pacific Region Convention for International Youth Year, Beijing, China

#### **LANGUAGE**

Fluent in English, Chinese (Mandarin and Taechiew), and Thai.

#### **Contact Information:**

Email: <[sauwakon.r@gmail.com](mailto:sauwakon.r@gmail.com)>, <[sauwakon.rat@mahidol.ac.th](mailto:sauwakon.rat@mahidol.ac.th)>. Phone: +6689-669-4993