

Curriculum Vitae



Name: Siwatt Pongpiachan (Ph.D)

Position: Professor

Nationality: Thai

Office Address: School of Social and Environmental Development, National Institute of Development Administration

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Other Positions

Director of NIDA Center for Research & Development of Disaster Prevention & Management, 7th Floor, Malai Huwanan Building, School of Social and Environmental Development, National Institute of Development Administration (NIDA), 118 Moo3, Sereethai Road, Klong-Chan, Bangkapi, Bangkok 10240 THAILAND

National Project Manager of the United Nations Industrial Developments Organization (UNIDO) Thailand for demonstration of BAT and BEP in fossil fuel-fired utility and industrial boilers in response to the Stockholm Convention on POPs

Research fellow at Institute of Earth Environment, Chinese Academy of Sciences, Xi'an, China
International Scientific Advisory Committee for Air Pollution 2012 and 2013, Wessex Institute of Technology, UK

Research fellow for H.R.H. Princess Maha Chakri Sirindhorn's Polar Research Project since 2015.

Academic Background

1986-1989: Junior High School at Prince Royal's College, Chiang-Mai, Thailand

1989-1991: Aoyama School of Japanese Language, Shibuya, Tokyo, Japan

1991-1994: Demonstration High School of Tokyo Gakugei University, Tokyo, Japan

1994-1998: Hokkaido University, School of Oceanography, Division of Marine Chemistry

Degree: Bachelor of Marine Chemistry (First Class Honors GPA 3.72)

Thesis: The fluctuation of oxygen isotope ratio in dissolved oxygen in Funka Bay

1998-2000: Hokkaido University, Graduate School of Earth and Environmental Science
Division of Marine and Atmospheric Geochemistry

Degree: Master of Environmental Chemistry (First Class Honors GPA 3.89)

Thesis: The effect of humic acid to apparent water solubility of pyrene in tropical peat land, Central Kalimantan

2001-2005: Birmingham University, School of Geography, Earth & Environmental Sciences Division of Environmental Health and Risk Management

Degree: PhD in Atmospheric Chemistry

Thesis: Atmospheric Chemistry of Semi-volatile Organic Compounds in Urban Air

2010-2013: Institute of Earth Environment, Chinese Academy of Sciences, China

Degree: Postdoctoral Degree in Atmospheric Chemistry

Research Title: Chemical compositions of carbonaceous aerosols in Thailand

Area of Expertise

These lies within the field of climate change and extend from fundamental studies of marine chemistry on the one hand through to carcinogenicity of gaseous and airborne fine particulate persistent organic pollutants (POPs), particularly polycyclic aromatic hydrocarbons (PAHs), alkanes, hopanes and cholestanes at the other extreme.

1. List of Publications & Proceedings

International Peer-Reviewed Proceedings

1. **Pongpiachan, S.**, Sompongchaikul, P, Dynamic of river basins in the humid tropics, Southeast Asia Regional Carbon and Water Issues Workshop, Singapore, 2006. (Oral Presentation)
2. **Pongpiachan, S.**, Ho, K.F., Harison, R, The correlations between PAHs and carbon fractions in rural area, International Carbonaceous Aerosol Conference in Vienna, Austria, September 2004. (Poster Presentation)
3. **Pongpiachan, S.**, Harrad, S and Harison R, The seasonal variation of PAHs in Whitbourne, UK. International Air Pollution Conference in Budapest, Hungary, September 2004. (Poster Presentation)
4. **Pongpiachan, S.**, Tanaka, N., Tanaka, S and Iwakuma, T, The flucuation of humic substans in peatswamp areas, Central Kalimantan, International Limnology Conferences in Shinshu, Japan, August 2000. (Oral Presentation)
5. **Pongpiachan, S.**, Tanaka, N., Tanaka, S and Iwakuma, T, The effect of humic acids to apparent water solubility enhancement of pyrene in peatswamp areas, Central Kalimantan International Tropical Peat Conferences in Bogor, Indonesia, November 2000. (Oral Presentation)
6. **Pongpiachan, S.**, Harrad, S and Harrison, M. R, The contribution of traffic emissions on polycyclic aromatic hydrocarbons in urban air, The First Joint PSU-UNS International Conferene on BioScience: Food, Agriculture, and the Environment, August 17-19, 2006, Hat Yai, Thailand. (Oral Presentation)
7. **Intasean, T.**, Bualert, S and **Pongpiachan, S.** Variation of Polycyclic Aromatic Hydrocarbons, Nitrogen Oxides and Carbon Monoxide on Urban Boundary Layer. PACCON2009 (Pure and Applied Chemistry International Conference) S12-OR-15, pp.152-155. (Oral Presentation)
8. **Pongpiachan, S.** and Sompongchaiyakul, P. Using PAHs as a proxy to investigate the impact of the tsunami to the distribution of terrestrial sediments in the recent deposits of the Andaman Sea Workshop of the bilateral, NRCT and DFG funded project "TRIAS"-Tracing Tsunami Impacts On-and Offshore in the Andaman Sea Region. February 12th-14th, 2009. Technische Universität Braunschweig, Faculty of Architecture, Civil Engineering and Environmental Sciences, Leichtweiss-Institute for Hydraulic Engineering and Water Resources, Dept. of Hydromechanics and Coastal Engineering, Beethovenstraße 51a, 38106 Braunschweig, Germany. (Oral Presentation)
9. **Thumanu, K.**, **Pongpiachan, S.**, Ho, K.F., Lee, S.C. Characterization of organic functional groups, water-soluble ionic species and carbonaceous compound in PM10 from various emission sources in Songkhla Province, Thailand. Air Pollution XVII Organized by Wessex Institute of Technology. July 20-23, 2009, Tallinn, Estonia. (Oral Presentation)

10. **Pongpiachan, S** and Surapipith, V. Emission source strengths and wind directions of volatile organic compounds at Map Ta Phut health center, Thailand. The 6th Asian Aerosol Conference, Bangkok, Thailand, 24th - 27th November 2009. (Oral Presentation)
11. **Pongpiachan, S.**, Klysubun, W., Thumanu, K., Sompongchaiyakul, P and Bualert, S. Parameters influencing analytical reliability of sulfur speciations in aerosol samples using sulfur K-edge X-ray absorption near-edge structure. The 6th Asian Aerosol Conference, Bangkok, Thailand, 24th -27th November 2009. (Oral Presentation)
12. **Pongpiachan, S** and Harrison, R. M. Atmospheric lifetimes and traveling distances of airborne carcinogenic polycyclic aromatic hydrocarbons. The 6th Asian Aerosol Conference, Bangkok, Thailand, 24th -27th November 2009. (Poster Presentation)
13. **Pongpiachan, S.**, Bualert, S., Thumanu, K., Ho, K. F and Lee, S. C. Vertical variations of carbonaceous aerosols in Chiang-Mai, Bangkok and Hat-Yai atmosphere, Thailand. The 6th Asian Aerosol Conference, Bangkok, Thailand, 24th -27th November 2009. (Poster Presentation)
14. **Pongpiachan, S.**, Bualert, S., Duangmal, K and Sompongchaiyakul, P. Vertical variations of polycyclic aromatic hydrocarbons in PM10 samples in Chiang-Mai atmosphere, Thailand. The 6th Asian Aerosol Conference, Bangkok, Thailand, 24th -27th November 2009. (Poster Presentation)
15. **Pongpiachan, S.**, Sompongchaiyakul, P., Thumanu, K., Klysubun, W., Feldens, P and Schwarzer, K. Geochemical parameters of tsunami deposits off shore Phang Nga Province, Thailand. The 4th Thai-German Scientific Conference Ocean Geosciences, Marine Ecology and Engineering for Natural Hazard Management and Sustainable Use of Marine Resources. 27th February – 1st March 2010. Grand Tower Inn Hotel (Sukhumvit 55) Bangkok, Thailand. (Oral Presentation)
16. **Feldens, P.**, Sakuna, D., Schwarzer, K., Stattegger, K., Sompongchaiyakul, P and **Pongpiachan, S.** Impacts of the 2004 Indian Ocean tsunami backwash offshore Pakarang Cape, Thailand. The 3rd International Tsunami Field Symposium, Katahira Sakura Hall, Katahira Campus, Tohoku University, Sendai, Japan, 10-11 April, 2010. (Oral Presentation)
17. **Pongpiachan, S.**, Ho, K.F and Lee, S.C. A study of gas-particle partitioning of PAH according to adsorptive models and season. Air Pollution XVIII Organized by Wessex Institute of Technology. June 21-23, 2010, Kos, Greece. (Oral Presentation)
18. **Pongpiachan, S.**, Intasen, T., Bualert, S & Kositanon, C. Vertical variation of polycyclic aromatic hydrocarbons in PM-10 in Bangkok atmosphere. 12th Symposium of the International Commission on Atmospheric Chemistry and Global Pollution (CACGP). Co-organized by University of Washington and Dalhousie University. Halifax, Canada, July 12-16, 2010. (Poster Presentation)
19. **Pongpiachan, S.**, Na Phatthalung, W., Klysubun, W., Thumanu, K., Ho, F. K and Cao, J. Innovative Perspective on Factors Affecting Sulfur Speciations in Aerosol Samples as Assessed by X-Ray Absorption Near-Edge Structure (XANES). The 7th Asian Aerosol Conference, Xi'an, China, 17th-19th August 2011. (Oral Presentation)
20. **Pongpiachan, S.**, Hattayanone, M., Kositanone, C., Ho, F. K and Cao, J. Multivariate Analysis of Particulate Polycyclic Aromatic Hydrocarbons in Bangkok Atmosphere. The 7th Asian Aerosol Conference, Xi'an, China, 17th-19th August 2011. (Oral Presentation)
21. **Pongpiachan, S.**, Choochuay, C., Kositanone, C., Ho, F. K and Cao, J. A Study of Mutagenic Index (MI) in PM₁₀ of Residential Areas in Bangkok. The 7th Asian Aerosol Conference, Xi'an, China, 17th-19th August 2011. (Oral Presentation)
22. **Pongpiachan, S.**, Kudo, S., Sekiguchi, K., Ho, F. K and Cao, J. Spatial and temporal distribution of

carbonaceous aerosols across Thailand. Planet Under Pressure 2012, Excel Center, London, UK, Thursday 29 March 2012 - Planetary stewardship: Environmental concerns of South Asia: taking lessons from the global approach.

23. **Pongpiachan, S.**, Surapipit, V., Hirunyatrakul, P., Kittikoon, I., Joengraksaksree, W and Whangthamrongwit, S. Application of Air Compass Model for Source Identification of Trace Gaseous from Seven Air Quality Monitoring Stations of Pollution Control Department in Bangkok, Thailand. 20th International Conference on Modelling, Monitoring and Management of Air Pollution Organized by Wessex Institute of Technology. 16 – 18 May 2012, A Coruña, Spain. (Oral Presentation)

24. **Tipmanee, D.**, Sompongchaiyakul, P., Pongpiachan, S and Schwarzer, K. Polycyclic Aromatic Hydrocarbons (PAHs) Biomarker as a Proxy for Tracing Tsunami 2004 in Khao Lak Coastal Area, Thailand . Asia Ocenia Geosciences Society (WPGM) Joint Assembly (WPGM) Joint Assembly. 13-17 August 2012, Singapore. (Oral Presentation)

25. **Pongpiachan, S.**, Settacharnwit, T., Chalangsut, P., Hirunyatrakul, P and Kittikoon, I. Impacts and preventative measures against flooding and coastal erosion in Thailand. The 3rd International Conference on Flood Recovery, Innovation and Response organized by Wessex Institute of Technology. 30th May – 1st June 2012, Dubrovnik, Croatia. (Oral Presentation)

26. **Pongpiachan, S.**, Cao, J and Ho, F.K. Vertical distribution and diurnal variation of carbonaceous aerosol during the haze episode at Chiang-Mai, Thailand. International Conference on Earth Science & Climate Change 2012 organized by OMICS group. 21-22 August 2012, Chicago, USA. (Oral Presentation), J Earth Sci Climate Change 2012, 3:3; <http://www.omicsonline.org/2157-7617/2157-7617-S1.003-003.pdf>

27. **Tipmanee, D.**, Sompongchaiyakul, P., Pongpiachan, S and Schwarzer, K. Source Apportionment and Transport of Polycyclic Aromatic Hydrocarbons (PAHs) in Khao Lak Coastal Area, Thailand . The 2nd International Conference on Environmental Pollution, Restoration and Management. 4-8 March 2013, Hanoi, Vietnam. (Oral Presentation)

28. **Maolanont, T** and **Pongpiachan, S.** In-dept analysis to Identify Accident Cause Factors: A Case Study of IRPC Public Company Rayong 2008-2012. The 2nd International Conference on Environmental Engineering, Science and Management, March 27-29, 2013 at Pullman Khon Kaen Raja Orchid Hotel, Thailand (28R7-05).

29. **Pruttanon, N** and **Pongpiachan, S.** Safety Administration to Prevent Leakage and Spill Case from Highly Hazardous Chemical and Personal Factors that Effect to Safety Performance of Employee: A Case Study of IRPC Public. The 2nd International Conference on Environmental Engineering, Science and Management, March 27-29, 2013 at Pullman Khon Kaen Raja Orchid Hotel, Thailand (28R7-12).

2. National Peer-Reviewed Proceedings

1. **Thipakoon, J.**, Bualert, S and **Pongpiachan, S.** Variation of condensation nuclei within atmospheric profile in urban area. Case study, Bangkok, Thailand. The 12th National Graduate Research Conference Co-organized by CGAU and Khon Kaen University. February 12-13, 2009.

2. **Monthasuwan, S.**, Bualert, S, **Pongpiachan, S.**, Thumanu, K., Ho, K.F and Lee, S.C. Composition of organic carbon and elemental carbon composed in PM₁₀ at different heights above Bangkok. The 12th National Graduate Research Conference Co-organized by CGAU and Khon Kaen University. February 12-13, 2009.

3. **Deelaman, W.**, **Pongpiachan, S.**, Sompongchaiyakul, P. Distribution of Polycyclic Aromatic Hydrocarbons (PAHs) in Sediment in Outer Songkhla Lake and Ao Tap-lamu, Pangnga. The 8th National Environmental Conference (NEC8-2009) Co-organized by Environmental Engineering Association of Thailand (EEAT) and

Suranaree University of Technology. March 25-27, 2009.

4. Muprasit, J., **Pongpiachan, S.**, Sompongchaiyakul, P. Composition and Ratios of Polycyclic Aromatic Hydrocarbons (PAHs) in PM₁₀ from Different Emission Sources in Changwat Songkhla. The 8th National Environmental Conference (NEC8-2009) Co-organized by Environmental Engineering Association of Thailand (EEAT) and Suranaree University of Technology. March 25-27, 2009.

5. Thipakoon, J., Bualert, S., **Pongpiachan, S.** Variation of condensation nuclei within atmospheric profile in urban area case study, Hatyai Songkla, Thailand. The 7th PSU engineering conference. May 21-22, 2009.

6. Salao, S., Bualert, S., **Pongpiachan, S.**, Sompongchaiyakul, P and Chankaew, K. Effects of ozone concentration on vertical distribution of polycyclic aromatic hydrocarbons (PAHs) in total suspended particles in Bangkok. The 14th National Graduate Research Conference (NEC8-2009) Co-organized by King Mongkut's University of Technology North Bangkok. September 10-11, 2009, pp.131-138.

7. Meekaew, L., Bualert, S., **Pongpiachan, S.**, Sompongchaiyakul, P and Chankaew, K. Vertical distribution of polycyclic aromatic hydrocarbons (PAHs) in total suspended particles in Chiang-Mai. The 14th National Graduate Research Conference (NEC8-2009) Co-organized by King Mongkut's University of Technology North Bangkok. September 10-11, 2009, pp.117-124.

8. Choochuay, C., **Pongpiachan, S.**, Kositanont, C., Saranpuetti, C., Vinitketkumnuen, U & Paso, A. Parameters Affecting Analytical Sensitivity of Mutagenic Index in Lubricating Oil Products. The 9th National Environmental Conference (NEC9-2010) Co-organized by Environmental Engineering Association of Thailand (EEAT) and Ubonrachatanee University. March 24-25, 2010.

9. Wong-utai, C., **Pongpiachan, S.**, Ewecharoen, A., Eiambu, A., Wanakamol, P & Paso, A. A Feasibility Study of Applying Nanotechnology to Trap Hydrocarbons in Lubricating Oil. The 9th National Environmental Conference (NEC9-2010) Co-organized by Environmental Engineering Association of Thailand (EEAT) and Ubonrachatanee University. March 24-25, 2010.

10. Hattayanone, M., **Pongpiachan, S.**, Kositanone, C & Sorrawisut, A. Application of GIS for Studying Impact of Human Population on Enhancement of Persistent Organic Pollutant Contents in Atmosphere. The 9th National Environmental Conference (NEC9-2010) Co-organized by Environmental Engineering Association of Thailand (EEAT) and Ubonrachatanee University. March 24-25, 2010.

11. Ponpiboon, T., **Pongpiachan, S.**, Ewecharoen, A., Kositanon, C & Paso, A. A Comparative Efficiency Study of Activated Carbon in Trapping Polycyclic Aromatic Hydrocarbons in Lubricating Oil Products. The 9th National Environmental Conference (NEC9-2010) Co-organized by Environmental Engineering Association of Thailand (EEAT) and Ubonrachatanee University. March 24-25, 2010.

12. Putkhao, P., Thumanu, K., Thantanuch, W., Bualert, S., Ewecharoen, A & **Pongpiachan, S.** Infrared Ray Absorption Characteristics of Particles in Urban Atmosphere of Bangkok. The 9th National Environmental Conference (NEC9-2010). Co-organized by Environmental Engineering Association of Thailand (EEAT) and Ubonrachatanee University. March 24-25, 2010.

13. **Pongpiachan, S.**, Surapipit, V., Hirunyatrakul, P., Kittikoon, I., Joengraksaksree, W & Whangthamrongwit, S. Application of Source Identification by Wind Direction Analysis for Trace Gaseous Constituents (SIWATT) Model. The 10th National Environmental Conference (NE109-2011). Co-organized by Environmental Engineering Association of Thailand (EEAT) and Prince of Songkla University. March 23-24, 2011. (Keynote Speaker)

14. **Pongpiachan, S.**, Klysubun, W., Thumanu, K., Pruksanusak, S & Kositanon, C. Factors Affecting the Sensitivity of FL-XANES (Fluorescent Mode X-ray Absorption Near Edge Structure) for the Analysis of Sulfur Speciation in Environmental Samples. The 10th National Environmental Conference (NE109-2011). Co-organized by Environmental Engineering Association of Thailand (EEAT) and Prince of Songkla University. March 23-24, 2011.
15. **Putkhao, P.**, Thumanu, K., Thuntanuch, W., Suttinun, O., Kositanon, C & **Pongpiachan, S.** Comparison of ATR-FTIR spectroscopy and ion chromatography to determine organic functional groups and inorganic ions in Urban atmosphere of Chiang-Mai. The 10th National Environmental Conference (NE109-2011). Co-organized by Environmental Engineering Association of Thailand (EEAT) and Prince of Songkla University. March 23-24, 2011.
16. **Ponpiboon, T.**, **Pongpiachan, S.**, Suttinun, O., Ewecharoen, A & Paso, A. A Comparative Efficiency Study of Activated Carbon Made from Coffee Bean and Coconut Shell in Trapping Chloroform in Water Supply. The 10th National Environmental Conference (NE109-2011). Co-organized by Environmental Engineering Association of Thailand (EEAT) and Prince of Songkla University. March 23-24, 2011.
17. **Hattayanone, M.**, **Pongpiachan, S.**, Suttinun, O., Kositanone, C & Sorrawisut, S. Application of Geographic Information System (GIS) to Study the Distribution of Polycyclic Aromatic Hydrocarbons in PM₁₀ Urban Atmosphere of Bangkok. The 10th National Environmental Conference (NE109-2011). Co-organized by Environmental Engineering Association of Thailand (EEAT) and Prince of Songkla University. March 23-24, 2011.
18. **Wong-utai, C.**, **Pongpiachan, S.**, Aeimbhu, A., Wanakamol, P., Suttinun, O., Rujiraworawut, K & Paso, A. A Feasibility Study of Applying Nanotechnology to Trap Hydrocarbons in Lubricating Oil. The 10th National Environmental Conference (NE109-2011). Co-organized by Environmental Engineering Association of Thailand (EEAT) and Prince of Songkla University. March 23-24, 2011.
19. **Choochuay, C.**, **Pongpiachan, S.**, Suttinun, O & Kositanon, C. A study of mutagenic index of bacteria in particles of urban areas in Bangkok. The 10th National Environmental Conference (NE109-2011). Co-organized by Environmental Engineering Association of Thailand (EEAT) and Prince of Songkla University. March 23-24, 2011.
20. **Na Phatthalung, W.**, **Pongpiachan, S.**, Klysubun, W., Thumanu, K & Suttinun, O. The Pretreatment of Anoxic Environmental Samples and Sulfur Speciation of PM10 in the Atmosphere of Songkhla by Using FL-XANES (Fluorescent Mode X-ray Absorption Near Edge Structure). The 10th National Environmental Conference (NE109-2011). Co-organized by Environmental Engineering Association of Thailand (EEAT) and Prince of Songkla University. March 23-24, 2011.
21. **Pongpiachan, S.** Demonstration of Best Available Techniques and Best Environmental Practices (BAT/BEP) on Fossil Fuel-fired Utility and Industrial Boilers in Response to the Stockholm Convention on Persistent Organic Pollutants (POPs) in Thailand. The 11th National Environmental Conference. Co-organized by Environmental Engineering Association of Thailand (EEAT) and University of Phayao. March 21-23, 2012. (Keynote Speaker)
22. **Kanchai, P.**, **Pongpiachan, S.**, Thumanu, S., Ho, F. K and Cao, J. Organic Functional Groups of PM_{2.5} at Multiple Observatory Sites in Chiang-Mai City, Thailand. The 11th National Environmental Conference. Co-organized by Environmental Engineering Association of Thailand (EEAT) and Prince of Songkla University. March 23-24, 2012.
23. **Pongpiachan, S.** A Preliminary Study of Using Polycyclic Aromatic Hydrocarbons as Chemical Tracers for Traceability in Soybean Products. The 2nd International Conference on Agricultural Biotechnolog Applciations. Moshtohor, Hurghada, Egypt. 8-11 April 2014.
24. **Pongpiachan, S.**, Pongnailert, S., Ho, K.F., and Cao, J., Dirunal variation and vertical distribution of carbonaceous aerosols in Southern part of Thailand. 22nd International Conference on Modelling, Monitoring and

Management of Air Pollution. Opatija, Croatia. 7-9 July 2014.

25. **Schwarzer, K.**, Feldens, P., Sakuna-Schwartz, D., Pongpiachan, S., Milker, Y., and Tipmanee, D., 2015. The Indian Ocean tsunami 2004: Identification of Tsunami Deposits in the Andaman Sea by Different Proxix. Coastal Sediments, San Diego USA. 11-15 May 2015.

26. **Pongpiachan, S.**, Impacts of agricultural waste burning on the enhancement of PM_{2.5}-bounded polycyclic aromatic hydrocarbons in Northern Thailand. 23rd International Conference on Modelling, Monitoring and Management of Air Pollution. Valencia, Spain. 1-3 June 2015.

27. **Pongpiachan, S.**, Wiriwutikorn, T., Rungruang, C., Yodden, K., Duangdee, N., Sbrilli, A., Gobbi, M., and Centeno, C., Impacts of Micro-Emulsion System on PCDD/PCDF Reduction from Industrial Boiler. 35th International Symposium on Haogenated Persistent Organic Pollutants (DIOXIN2015). Sao Paulo, Brazil. 24-27 August 2015.

28. **Pongpiachan, S.**, The impact of long-range transportation on variations of diagnostic binary ratios of particulate polycyclic aromatic hydrocarbons (PAHs) in coastal area. Surface Ocean Lower Atmosphere Study (SOLAS 2015). Kiel, Germany. 7-11 September 2015.

29. **Pongpiachan, S.**, Incremental lifetime cancer risk of PM_{2.5} bound polycyclic aromatic hydrocarbons (PAHs) before and after the wildland fire episode. International Symposium on Polycyclic Aromatic Compounds (ISPAC 2015). Bordeaux, France. 13-17 September 2015.

Text Books (Thai & English)

ชื่อหนังสือ “Untitled โลกร้อนเล่มนี้ไม่มีชื่อ” จัดพิมพ์โดยสำนักพิมพ์ของหนังสือพิมพ์กรุงเทพธุรกิจภายใต้การสนับสนุนด้านงบประมาณจากกระทรวงพลังงาน ISBN 9786117008047 เดือนปีที่พิมพ์ 3/2552 ราคา 188.00 บาท. ผู้แต่ง ศิวัช พงษ์เพียจันทร์

Thumanu, K., Pongpiachan, S., Ho, K.F and Lee, S.C. Characterization of organic functional groups, water-soluble ionic species and carbonaceous compound in PM₁₀ from various emission sources in Songkhla Province, Thailand. Air Pollution XVII, WIT press, pp. 295-306. ISBN: 978-1-84564-195-5, ISSN (Online): 1743-3541, ISSN (Print): 1746-448X, July 2009. (Conference Book)

Pongpiachan, S., Ho, K.F and Lee, S.C. A study of gas-particle partitioning of PAH according to adsorptive models and season. Air Pollution XVIII, WIT press, pp. 37-48. ISBN: 978-1-84564-450-5, ISSN (Online): 1743-3541, ISSN (Print): 1746-448X, June 2010. (Conference Book)

ชื่อหนังสือ “ผู้ตายฟื้น Crisis 3” จัดพิมพ์โดยสำนักพิมพ์ของหนังสือพิมพ์กรุงเทพธุรกิจ ISBN 978-616-7008-18-9 เดือนปีที่พิมพ์ 7/255- ราคา 170.00 บาท. ผู้แต่ง ศิวัช พงษ์เพียจันทร์

Pongpiachan, S., Surapipit, V., Ketranakul, A., Wuttijak, N & Pongnoppa, A. Risk analysis by emission source strengths and wind directions of trace gases at Map Ta Phut Industrial Estate, Rayong province, Thailand. Risk Analysis VII, WIT press, pp. 337-347. ISBN: 978-1-84564-472-7, ISSN (Online): 1743-3517, ISSN (Print): 1746-4463, September 2010. (Conference Book)

ชื่อหนังสือ “เพี้ยน ป่วน ชวนคิด กับ IgNobel” จัดพิมพ์โดยสำนักพิมพ์ของสมาคมส่งเสริมเทคโนโลยีไทยญี่ปุ่น (ส.ส.ท.) ISBN 978-974-443-437-1 เดือนปีที่พิมพ์ 3/2554 ราคา 165.00 บาท. ผู้แต่ง ศิวัช พงษ์เพียจันทร์

ชื่อหนังสือ “รู้แล้วรอด” จัดพิมพ์โดยสำนักพิมพ์อมรินทร์ HOW-TO ISBN 978-974-970-290-1 เดือนปีที่พิมพ์ 6/2555 ราคา 189.00 บาท. ผู้แต่ง ศิวัช พงษ์เพียจันทร์

ชื่อหนังสือ “Analytical Instruments for Environmental Sciences” จัดพิมพ์โดยสำนักพิมพ์เอเชนส์ ISBN 978-974-492-729-3 เดือนปีที่พิมพ์ 6/2554 ราคา 500.00 บาท. ผู้แต่ง ศิวัช พงษ์เพียจันทร์

ชื่อหนังสือการ์ตูน “ความรักของหิ่งห้อย” จัดพิมพ์โดยสำนักพิมพ์เอเชนส์ ISBN 978-974-492-728-6 เดือนปีที่พิมพ์ 11/2554 ผู้แต่ง ศิวัช พงษ์เพียจันทร์

Pongpiachan, S., Surapipit, V., Hirunyatrakul, P., Kittikoon, I., Joengraksaksree, W and Whangthamrongwit, S. Application of Air Compass Model for Source Identification of Trace Gaseous from Seven Air Quality Monitoring Stations of Pollution Control Department in Bangkok, Thailand. Air Pollution XX, WIT press, pp. 179-188. ISBN: 978-1-84564-582-3, ISSN (Online): 1743-3541, ISSN (Print): 1746-448X, May 2012. (Conference Book)

Pongpiachan, S., Settacharnwit, T., Chalangsut, P., Hirunyatrakul, P and Kittikoon, I. Impacts and preventative measures against flooding and coastal erosion in Thailand. Flood Recovery Innovation and Response III, WIT press, pp. 155-166. ISBN: 978-1-84564-588-5, ISSN (Online): 1743-3541, ISSN (Print): 1746-448X, May 2012. (Conference Book)

ชื่อหนังสือ “เจาะลึก ภัยพิบัติ” จัดพิมพ์โดยสำนักพิมพ์เอเชนส์โดยการสนับสนุนจากรัฐสภา ISBN 978-974-492-785-9 เดือนปีที่พิมพ์ 11/2555 ผู้แต่ง ศิวัช พงษ์เพียจันทร์

ชื่อหนังสือ “อุตสาหกรรมเทรนดี้ใหม่ ปฏิบัติการกู้โลก” จัดพิมพ์โดยสำนักพิมพ์มติชน เดือนปีที่พิมพ์ 11/2555 ผู้แต่ง ศิวัช พงษ์เพียจันทร์

ชื่อหนังสือ “เทคโนโลยีหม้อต้มไอน้ำรักษ์โลก” จัดพิมพ์โดยองค์การพัฒนาอุตสาหกรรมแห่งชาติ เดือนปีที่พิมพ์ 06/2556 ผู้แต่ง ศิวัช พงษ์เพียจันทร์ ชัญญา โภคะสุวรรณ และคณะ

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