

1. Personal Information

Name: Mr. Ekasit Kositsakulchai

Contact Information:

Department of Irrigation Engineering, Faculty of Engineering, Kamphaeng Saen, Kasetsart University, Kamphaeng Saen, Nakhon Pathom 73140, Thailand

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2. Educational Background

| Year | Degree | Full Degree (Major) | Institution, Country |
|------|--------|---|---|
| 2001 | Ph.D. | Diplôme de Docteur (Science de l'Eau dans l'Environnement Continental) | Université Montpellier II, France |
| 1997 | D.E.A. | Diplôme d'Etudes Approfondies (Science de l'Eau dans l'Environnement Continental) | École Nationale du Génie Rural, des Eaux et des Forêts (ENGREF), France |
| 1994 | M.Eng. | Master of Engineering (Irrigation Engineering and Management) | Asian Institute of Technology (AIT), Thailand |
| 1991 | B.Eng. | Bachelor of Engineering (Irrigation Engineering) | Kasetsart University, Thailand |

3. Key Research Areas

Hydrology and water resources, Water management and irrigation systems, Remote sensing and GIS applications, Hydro-informatics and decision support systems, Climate change and its impact on agriculture and water resources

4. Work Experience and Positions

Current Positions

Associate Professor, Department of Irrigation Engineering, Kasetsart University

Associate Dean at Kamphaeng Saen Campus, Graduate School, Kasetsart University

Other Positions

Member of the Kamphaeng Saen Campus Board, Kasetsart University

Member of the Education Committee, Kamphaeng Saen Campus, Kasetsart University

Technical Working Group Member of Thai Committee on Irrigation and Drainage (THAICID)

Working Group Member on Land Drainage (WG-LDRG), International Commission on Irrigation and Drainage (ICID)

Responsible for Curriculum/Curriculum Chair:

- Ph.D. Program in Irrigation Engineering, Kasetsart University, 2009/2012/2017/2022

- M.Eng. Program in Irrigation Engineering, Kasetsart University, 2009/2012/2017

Curriculum Development Committee/External Expert:

- Ph.D. Program in Environmental Engineering and Water Resources (International Program), Mahidol University

- M.Eng. Program in Environmental Engineering and Water Resources (International Program), Mahidol University

5. Awards and Honors

Royal Decorations:

Knight Grand Cross (1st Class): Prathamabhorn Chang Phueak, PCh (KCE), July 28, 2020

Knight Grand Cross (1st Class): Prathamabhorn Mongkut Thai, PM (GCCT), July 28, 2017

Knight Commander (2nd Class): Dvitiyabhorn Chang Phueak, DCh (KCE.), December 5, 2009

Knight Commander (2nd Class): Dvitiyabhorn Mongkut Thai, DM (KTC), December 5, 2005

Commander (3rd Class): Tritabhorn Mongkut Thai, TM (CCT), December 5, 2001

Companion (4th Class): Chattruthabhorn Chang Phueak, ChCh (OE), December 5, 1999

Awards and Prizes:

Kasetsart University Research Award for International Publication, 2012, 2020, 2021

Faculty of Engineering, Kamphaeng Saen, Recognition Plaque for Outstanding Faculty Member, 2004

Best Paper Award, 43rd Kasetsart University Annual Conference, Engineering Section, February 1-4, 2005

Best Speaker Award, 25th Asian Conference on Remote Sensing (ACRS), Chiang Mai, Thailand, November 21-26, 2004

Honorable Mention Award, 41st Kasetsart University Annual Conference, Engineering Section, February 4-7, 2003

Thailand Research Fund for New Researcher (Post-doctoral) Scholarship, 2003

French Government Scholarship for Doctoral Studies, 1995-2001

AIT Scholarship Supported by the Thai Government, 1993-1994

7. Teaching Experience

Doctor's degree in irrigation engineering, Faculty of Engineering at Kamphaeng Saen, Kasetsart University

| Year | Coures |
|-----------|--|
| 2022 | 02207691 Advanced Research Techniques in Irrigation Engineering 02207697 Seminar |
| 2017 | 02207691 Advanced Research Techniques in Irrigation Engineering 02207697 Seminar |
| 2009/2012 | 02207641 River Basin System Modeling for Water Management 02207697 Seminar |
| 1999 | 207611 Numerical Methods for Irrigation Engineering 207612 Geographic Information System for Irrigation Engineering 207641 River Basin Water Resources Planning and Management |

Master's degree in irrigation engineering, Faculty of Engineering at Kamphaeng Saen, Kasetsart University

| Year | Coures |
|------|--|
| 2022 | 02207511 Irrigation Science and Management 02207522 Soil Water Movement and Drainage 02207551 Computation Methods in Irrigation Engineering 02207552 Artificial Intelligence for Irrigation Engineering 02207591 Research Techniques in Irrigation Engineering |
| 2017 | 02207511 Irrigation Science and Management 02207522 Soil Water Movement and Drainage 02207551 Computation Methods in Irrigation Engineering 02207552 Artificial Intelligence for Irrigation Engineering |

| | |
|-----------|---|
| | 02207553 Geographic Information System for Irrigation Engineering |
| | 02207554 Remote Sensing in Irrigation Engineering |
| | 02207591 Research Techniques in Irrigation Engineering |
| 2009/2012 | 02207511 Irrigation Science and Management |
| | 02207514 Soil Water Movement and Drainage |
| | 02207551 Computation Methods in Irrigation Engineering |
| | 02207552 Artificial Intelligence for Irrigation Engineering |
| | 02207555 Geographic Information System for Irrigation Engineering |
| | 02207556 Remote Sensing in Irrigation Engineering |
| | 02207597 Seminar |
| 1998 | 207596 Selected Topics in Irrigation Engineering |

Master's degree in environmental and water resources engineering (International Program),
Faculty of Engineering, Mahidol University

| Year | Coures |
|------|--|
| 2020 | EGEW 545 Hydroinformatics in Water Resources Engineering |

Master's degree in water engineering and management, School of Civil Engineering, Asian
Institute of Technology

| Year | Coures |
|------|---|
| 2018 | CE74.21 Irrigation and Drainage Engineering |
| | CE74.22 Irrigation and Drainage System Management |

Bachelor's degree in civil engineering-irrigation, Faculty of Engineering at Kamphaeng Saen,
Kasetsart University

| Year | Coures |
|-----------|---|
| 2023 | 02207411 Drainage and Flood Protection |
| 2018 | 02207411 Drainage and Flood Protection |
| 2008/2013 | 02207211 Introduction to Irrigation Engineering |
| | 02207411 Drainage and Flood Protection |
| 2003/2006 | 207211 Introduction to Irrigation Engineering |
| | 207311 Engineering Hydrology |
| | 207312 Drainage Engineering |
| | 207351 Computer Applications for Irrigation Engineering |
| | 204111 Computer and Programming |
| 1999 | 207312 Drainage Engineering |

| Year | Courses |
|------|-----------------------------|
| | 209211 Fluid Mechanics |
| | 209241 Hydrology 1 |
| | 209321 Flow in Open Channel |
| 1994 | 209333 Applied Hydrology |

8. Research Experience

Principal Investigator (PI) of Research Program

1. Research and Development of Spatial Information System for Rainmaking Operations. (2020-2023, 2026)
2. Integrated Water Resources Management in the Lam Pachi Basin. (2016-2017)

Principle Investigator

1. Development of Nationwide Near-Real Time Soil Moisture Map Using Satellite Data. (2020-2023)
2. Improving Water Use Efficiency for Rice Cultivation in the Lower Nan Basin Using Spatial Models and Remote Sensing Techniques. (2018)
3. Impact of Land Use Change on Runoff and Sediment in the Lam Pachi Basin. (2016-2017)
4. Evaluation of Flood Inundation in Udon Thani Municipality under Changing Environment. (2014-2015)
5. Development of Geographic Information System for Emerging and Re-Emerging Diseases in Cucurbit Vegetables. (2012-2013)
6. Modernization of Irrigation Management Using Information and Communication Technology in the Phitsanulok Irrigated-Agriculture Development Project Area. (2009-2011)
7. Participatory Management Planning for Water Security in Nakhon Pathom Province Using Web-Based Geographic Information System. (2009-2010)
8. Participatory Management Planning for Water Security in Samut Songkhram Province Using Web-Based Geographic Information System. (2009-2010)
9. Development of Project Proposal: Development of Water Management Information System in Nakhon Pathom Province. (2009)

10. Development of Project Proposal: Development of Water Management Information System using Community Based Research Approach in Samut Songkhram Province. (2009)
11. Study of Manning's Roughness Coefficient of Channel with Vetiver Grass Barrier on Steep Slope. (2007)
12. Crop Modeling for Estimating Yield and Water Use of Major Crops in Irrigation-service Areas. (2006)
13. Diagnosis Analysis of Water Management in the Tha Chin River Basin. (2004-2006)
14. Estimation of Crop Evapotranspiration in Large Irrigation Scheme Using Remote Sensing. (2003-2004)
15. Modélisation de la dynamique de l'hydrosystème du bassin du Mae Klong (Thaïlande) : une esquisse de système interactif d'aide à la décision de la gestion de l'eau. (1997-2001)
16. Diagnostic de l'allocation de la ressource en eau au niveau du bassin du Mae Klong (Thaïlande): Analyse et modélisation. (1997)

Investigator

1. Mapping Rainmaking Operation Priority Using Multi-Model Ensemble Evaluation. (2023)
2. Development of Digital Participation Platform for Rainmaking Operation Feedback Reporting. (2023)
3. Monitoring and Forecasting Crop Water Requirements Using Satellite Data Integrated with Computer Models. (2020-2023)
4. Study of Evapotranspiration and Crop Coefficient of Sugarcane under Climate Change Conditions Using Sap Flow, Lysimeter, and Bowen Ratio Methods. (2020-2023)
5. Integration of Hydro-Meteorological Data in the Chi-Mun River Basin for Decision Support System in Flood and Landslide Management. (2012-2014)
6. Research on Development of Surveillance and Control System for Emerging and Re-Emerging Diseases in Cucurbit Vegetables. (2012-2013)
7. Development of Irrigation Water Management Learning Kit for Youth. (2003-2004)
8. Interactive Multiple Goal Analysis for Water and Land Resources Management: Case Study of Mae Klong Basin. (2003)

9. Institutions Development for River Basin Management: Case Study of Mae Klong Basin. (2002)
10. Agrarian Dynamic and Water Management in the Central Plain, Thailand. (1995-2001)

8. Publication

Book/Chapter/Lecture Note

- Kositsakulchai, E. 2016. Soil Water Movement with Application in Agricultural Land Drainage [in Thai]. Department of Irrigation Engineering, Kasetsart University, Nakhom Pathom. 273 p.
- Kositsakulchai, E. 2014. Crop Evapotranspiration: Theory and Applications [in Thai]. Department of Irrigation Engineering, Kasetsart University, Nakhom Pathom. 284 p.
- Kositsakulchai, E. 2014. Geographic Information System for Irrigation Engineering [in Thai]. Lecture note. Department of Irrigation Engineering, Kasetsart University, Nakhom Pathom. 219 p.
- Kositsakulchai, E. 2003. Hydrology [in Thai]. Lecture note. Department of Irrigation Engineering, Kasetsart University, Nakhom Pathom. 207 p.
- Department of Irrigation Engineering. 2003. Planning and Design of Irrigation System [in Thai]. Kasetsart University Press, Bangkok. 250 p.
- Biltonen, E., B. Kwanyuen, E. Kositsakulchai, and S. Pattani. 2003. Development of Water-Management Institutions in the Mae Klong River Basin, Thailand. p. 109–137. In Bruns, B., Bandaragoda, D.J. (eds.), Governance for Integrated Water-Resources Management in a River-Basin Context. International Water Management Institute (IWMI), Colombo.
- Kositsakulchai, E., P. Chevallier, F. Molle, P. Le Goulven, F. Valette, E. Cadier, and A. Dezetter. 2002. Application des méthodes de la Dynamique des Systèmes a la gestion intégrée des ressources en eau : Exemple du bassin versant du Mae Klong, Thaïlande. p. 835–847. In Orange, D. et al. (ed.), Gestion Intégrée des Ressources Naturelles en Zones Inondables Tropicales. IRD éditions, Paris.

Journal Article

- Kakarndee, I., Kositsakulchai, E. 2023. Impact of climate change on water balance in Lam Siao basin using SWAT+ model (in Thai with English abstract). Thai Society of Agricultural Engineering Journal, 29(2), 14-24. [TCI]
- Phimchaisai, N., Kositsakulchai, E. 2023. Calibration and Performance Evaluation of SWAT Model on Rice Yield and Evapotranspiration Simulation in the Greater Mae Klong Irrigation

- Project Area (in Thai with English Abstract). *Journal of Science and Technology Kasetsart University*, 12(1), 1-14. [TCI]
- Kositsakulchai, E., Phankamolsil, Y., Yodjaroen, S. 2021. Future runoff projections based on land change using integrated Markov-Cellular Automata model and Soil Water Assessment Tool in Lam Pachi Basin, Thailand. *Agriculture and Natural Resources*, 55: 807-816. doi: 10.34044/j.anres.2021.55.5.11. [SCOPUS, ACI, TCI]
- Kositsakulchai, E., Kakarndee, I., Khluebmanee, K., Sirisakha, C., Suriyachottrakul, N., Klomjit, R., Phankamolsil, Y., Ratmanee, M., Kachenchart, B., & Phodchasisit, S. 2021. Comparative Study of Soil Water Content between the SMAP Satellite Data and the TDR Measurements in Paddy Field, Northeast Thailand. *Journal of Science and Technology Kasetsart University*, 10(3), 9-24. [TCI]
- Jultarux, N., Kositsakulchai, E., Sittichok, K., Kachenchart, B., Phankamolsil, Y., 2021. Study of the Management-Allowed Depletion (MAD) Pattern in Irrigation Scheduling for Sugarcane using DSSAT-CANEGRO [in Thai, with English abstract]. *Journal of Science and Technology Kasetsart University*, 10(1). [TCI]
- Marled, A., Kositsakulchai, E., 2021. Spatial Water Productivity for Rice Production in Chainat Province [in Thai, with English Abstract]. *Thai Society of Agricultural Engineering Journal*, 27(1): 16-24. [TCI]
- Mab, P., Kositsakulchai, E., 2020. Water Balance Analysis of Tonle Sap Lake using WEAP model and satellite-derived data from Google Earth Engine. *Science and Technology Asia*, 25(4): 45-58. [SCOPUS, ACI, TCI]
- Phankamolsil, Y. and E. Kositsakulchai 2020. Revision of Vajiralongkorn Dam's Reservoir Characteristic Curves using NDWI derived from Landsat 8 Data. *Environment and Natural Resources Journal*. 18(1) [SCOPUS, DOAJ, EBSCO, ACI, TCI]
- Kakarndee, I., and E. Kositsakulchai. 2019. Estimation of Streamflow with Incomplete Soil Dataset in Krasioa Basin using Soil-Landscape Evaluation Approach and SWAT model. *Applied Environmental Research*, 41(3), 1-13. doi:10.35762/AER.2019.41.3.1 [SCOPUS, ACI, TCI]
- Kositsakulchai, E., S. Yodjaroen, and Y. Phankamolsil. 2018. Assessment of the Impact of Land Use Change on Runoff in Lam Phachi Basin using Satellite Data and SWAT Model [in Thai, with English Abstract]. *Journal of Science and Technology Kasetsart University* 7(3): 11–26. [TCI]

- Ayana, A.B., D.C. Edossa, and E. Kositsakulchai. 2014. Modeling the Effects of Land Use Change and Management Practices on Runoff and Sediment Yields in Fincha Watershed, Blue Nile. *OIDA International Journal of Sustainable Development* 7(11): 75-88. [DOAJ, EBSCO]
- Kimala, V., and E. Kositsakulchai. 2013. Application of SWAT Model for Water Accounting Analysis in Sedone Basin, Lao PDR [in Thai, with English Abstract]. *Journal of Science and Technology Kasetsart University* 2(3): 66–81. [TCI]
- Ayana, A.B., D.C. Edossa, and E. Kositsakulchai. 2012. Simulation of Sediment Yield using SWAT Model in Fincha Watershed, Ethiopia. *Kasertart Journal (Natural Science)* 46(2): 283–297. [SCOPUS, ACI, TCI]
- Ayana, A.B., and E. Kositsakulchai. 2012. Land Use Change Analysis Using Remote Sensing and Markov Modeling in Fincha Watershed, Ethiopia. *Kasertart Journal (Natural Science)*. 46(1): 135–149. [SCOPUS, ACI, TCI]
- Wikampaprahara, C and E. Kositsakulchai. 2010. Evaluation of ORYZA2000 and CERES-Rice Models under Potential Growth Condition in the Central Plain of Thailand. *Thai Journal of Agricultural Science*, 43(1): 17-29. [SCOPUS, ACI, TCI]
- Wikampaprahara, C and E. Kositsakulchai. 2010. Relationship between ENSO and Rainfall in the Central Plain of Thailand. *Kasertart Journal (Natural Science)*, 44(4): 744-755. [SCOPUS, ACI, TCI]
- Pankamolsin, Y. and E. Kositsakulchai. 2008. jlrAIs-SW: An Object-Oriented Model for Soil-Water Flow Simulation [in Thai, with English Abstract]. *Kamphaengsaen Academic Journal* 6(1): 44-59.
- Naorungroj, C., E. Kositsakulchai and S. Srisurut. 2007. Classification Analysis of Land Subsidence under the Changes of Land and Groundwater Uses: A Case Study of Samut Prakan Province [in Thai, with English Abstract]. *Srinakharinwirot University Journal of Geography* 85-94.
- Kositsakulchai, E. 2005. Estimation of Evapotranspiration by Remote Sensing Method. A Case Study of the Central Plain of Thailand [in Thai, with English Abstract]. *Kamphaengsaen Academic Journal*. 3(3): 39-48.
- Pinthong, P. and E. Kositsakulchai. 2004. Fuzzy Rule-Based Model for Reservoir Operation: Case of Pasak Jolasid Reservoir [in Thai, with English Abstract]. *Kasertart Engineering Journal*. 51: 17-30. [TCI]

- Kositsakulchai E. 2003. Modeling Water Management at River Basin Scale: Concept and Methodology [in Thai, with English Abstract]. Kasetsart Engineering Journal 48: 87-98. [TCI]
- Kositsakulchai E. and B. Kwanyuen. 2002. Water Accounting in the Mae Klong River Basin [in Thai, with English Abstract]. Kasetsart Engineering Journal 47: 122-133. [TCI]
- Kositsakulchai, E., F. Molle, U. Kumnuansilp and P. Chevallier. 1999. Analysis of Water and Power Management of the Mae Klong River Basin: A Regional Analysis within a National Scope. Kasetsart Engineering Journal, 37: 67-85. [TCI]

Conference Paper (partial list)

- Phodchaisit, S., Kositsakulchai, E. 2022. Calibration of HEC-HMS Hydrologic Model Using SMAP Soil Moisture Data in Lam Plai Mat Basin (in Thai with English abstract). Proceeding of the The 27th National Convention on Civil Engineering, August 24-26, 2022, Chiang Rai, Thailand.
- Kakarndee, I., Kositsakulchai, E., 2020. Comparison between SWAT and SWAT+ for simulating streamflow in a paddy field dominated basin, northeast Thailand, The 13th TSAE International Conference (TSAE 2020), July 30-31, 2017, Nakhon Ratchasima, Thailand. DOI:10.1051/e3sconf/202018706002
- Jultarux, N., Kositsakulchai, E., 2020. Application of DSSAT-CANEGRO Model to Estimate Evapotranspiration and Irrigation Requirement of Sugarcane in Nakhon Sawan Province [in Thai, with English abstract], The 21st TSAE National Conference (TSAE 2020), July 30-31, 2017, Nakhon Ratchasima, Thailand.
- Phimchaisai, N., Kositsakulchai, E., 2020. Evaluation of SWAT model in water balance simulation of paddy field in the Greater Mae Klong Irrigation Project [in Thai, with English abstract], The 21st TSAE National Conference (TSAE 2020), July 30-31, 2017, Nakhon Ratchasima, Thailand.
- Plengwuttikrai, N., Kositsakulchai, E., 2020. Application of AquaCrop Model for Simulation of the RD43 Rice Cultivation under Different Soil Fertilities [in Thai, with English abstract], The 21st TSAE National Conference (TSAE 2020), July 30-31, 2017, Nakhon Ratchasima, Thailand.
- Shanmugam, M., Babel, M.S., Rajput, T.B.S., Shrestha, S., Datta, A., Soni, P., Kositsakulchai, E. 2020 Micro-irrigation: Current Status, Key Challenges, and Future Prospects (keynote paper), International Seminar on "Micro-Irrigation in India: Economics, Impact and Potential", January 30-31, 2020, Alagappa University, Tamil Nadu, India.
- Marled, A., Kositsakulchai, E., 2019. Assessment of the Effect of Climate Variability on Yield Potential of Lowland Rice in Chainat Province using DSSAT-CERES [in Thai, with English Abstract], The 12th Thai National Committee on Irrigation and Drainage (THAICID) National Symposium, 31 July 2019, Nonthaburi, Thailand.

- Peikumpa, S., Kositsakulchai, E., 2019. Future Projection of Agricultural Land in the Phaya Bunlue O&M Project using Cellular–Automata and Markov Models [in Thai, with English Abstract], The 12th Thai National Committee on Irrigation and Drainage (THAICID) National Symposium, 31 July 2019, Nonthaburi, Thailand.
- Mab, P., S. Ly, C. Chompuchan, and E. Kositsakulchai. 2019. Evaluation of Satellite Precipitation from Google Earth Engine in Tonle Sap Basin, Cambodia. THA 2019 International Conference on Water Management and Climate Change towards Asia’s Water-Energy-Food Nexus and SDGs, 23-25 January 2019. Bangkok, Thailand.
- Kakarndee, I., and E. Kositsakulchai. 2018. Application of SLEEP and SWAT models for estimating streamflow with incomplete soil data in Krasioa basin, Thailand [abstract]. 2018 SWAT International Conference, 17-21 September 2018. Brussels, Belgium.
- Kositsakulchai, E., S. Yodjaroen, and Y. Phankamolsil. 2018. Simulation of runoff changes based-on land use/cover in Lam Pachi basin by CA-Markov and SWAT models [abstract]. 2018 SWAT International Conference, 17-21 September 2018. Brussels, Belgium.
- Yodjaroen, S., C. Theprasit, Y. Pankamolsin and E. Kositsakulchai. 2017. Land Cover Classification from Satellite Images in Lam Pachi Basin by Decision Tree Method [in Thai, with English Abstract]. The 18th Thai Society of Agricultural Engineering National Conference and the 10th TSAE International Conference (TSAE2017), 7-9 September 2017, Bangkok, Thailand.
- Rattanawan, N., E. Kositsakulchai and C. Theprasit. 2015. Study on Probable Maximum Precipitation in Community Area of Udon Thani [in Thai, with English Abstract]. The 6th National Convention on Water Resources Engineering and the 3rd EIT International Conference on Water Resources Engineering, 5-7 August 2015, Udon Thani, Thailand.
- Kimala, V. and E. Kositsakulchai. 2013. Water Accounting Analysis of Sedone River Basin, Lao PDR [in Thai, with English Abstract]. The 18th National Convention on Civil Engineering (NCCE18), 8-10 May 2013, Chiang Mai, Thailand.
- Kakarndee, I. and E. Kositsakulchai. 2013. Accuracy Improvement of SWAT Model for Runoff Estimation in Lowland [in Thai, with English Abstract]. The 18th National Convention on Civil Engineering (NCCE18), 8-10 May 2013, Chiang Mai, Thailand.
- Kositsakulchai, E. et al. 2012. Development of Modern Canal Operation by Information and Communication Technology in the Phitsanulok Irrigated-Agriculture Development Project [in Thai, with English Abstract]. The 17th National Convention on Civil Engineering (NCCE17), 9-11 May 2012, Udon Thani, Thailand.
- Kimala, V. and E. Kositsakulchai. 2012. Estimation of Streamflow by SWAT Model in Sedone River Basin, Lao PDR [in Thai, with English Abstract]. The 17th National Convention on Civil Engineering (NCCE17), 9-11 May 2012, Udon Thani, Thailand.

- Kakarndee, I. and E. Kositsakulchai. 2012. Derivation of Flow Direction and Watershed in Lowland from DEM [in Thai, with English Abstract]. The 17th National Convention on Civil Engineering (NCCE17), Udon Thani, 9-11 May 2012, Udon Thani, Thailand.
- Kimala, V., and E. Kositsakulchai. 2012. Estimation of Streamflow by SWAT Model in Sedon River Basin, Lao PDR, p. 38. PAWEES2012 - International Conference on Challenges of Water & Environmental Management in Monsoon Asia, 27-29 November 2012. Bangkok, Thailand.
- Kositsakulchai, E. et al. 2010. Development of Web-based Geographic Information System for Participatory Water Management Planning [in Thai, with English Abstract]. The 15th National Convention on Civil Engineering (NCCE15), 12-14 May 2010. Ubon Ratchathani, Thailand.
- Kositsakulchai, E. and F. Borne. 2004. Estimation of Evapotranspiration from a Large Irrigation Scheme using Remote Sensing Method: A Case of Central Plain of Thailand, p. 957-962. Proceeding of the 25th Asian Conference on Remote Sensing (ACRS), 21-26 November 2004, Chiang Mai, Thailand. [Best speaker award]
- Pinthong, P. and E. Kositsakulchai. 2004. Fuzzy rule-based modelling for reservoir operation: Case study of Pasak Jolasid dam [in Thai, with English Abstract], p. 15-23. Proceedings of 42nd Kasetsart University Annual Conference, February 2004. Bangkok, Thailand. [SCOPUS]
- Kositsakulchai, E. and P. Chevallier. 2003. Modeling Hydrosystem Dynamics of Mae Klong River Basin, Thailand [abstract], p B.351. The XXIII General Assembly of the International Union of Geodesy and Geophysics (IUGG2003), 30 June-11 July 2003. Sapporo, Japan.
- Pankamolsin, Y. and E. Kositsakulchai. 2003. Modeling Irrigation Water Requirement Using Fuzzy Logic [abstract], p B.351. The XXIII General Assembly of the International Union of Geodesy and Geophysics (IUGG2003), 30 June-11 July 2003. Sapporo, Japan.
- Phankamolsil, Y. and E. Kositsakulchai. 2003. Crop Evapotranspiration Estimation using Fuzzy Logic [in Thai, with English Abstract], p. 89-96. Proceedings of 41st Kasetsart University Annual Conference, February 2004. Bangkok, Thailand. [SCOPUS]