Paper ID	Authors	Title
S1: Health GIS & Geoinformatics, December 11, 8:30 – 9:30 Room1: VISTA BALLROOM 1 (3rd floor)		
6506	Marut Phuphaniat, Phaisarn Jeefoo and Wipop Paengwangthong	Estimating Monthly PM2.5 Levels using Integrated Satellite and Meteorological Data: A Case Study of Suphan Buri Province, Thailand
2223	Nattaphon Rangsaritvorakarn and Niti Iamchuen	Application of HEC-RAS and Satellite Imagery in Flood Risk Estimation for Rural Area in Thailand
7115	Kritchayan Intarat, Nithima Nuangjamnong, Jojinda Sae-Jung, Woraman Jangsawang, Patimakorn Yoomee and Teerapong Panboonyuen	Deep Residual Neural Networks with Self-Attention for Landslide Susceptibility Mapping in Uttaradit Province, Thailand
4118	Thi-Quynh Nguyen, Thi-Hong Dao and Tien-Thanh Nguyen	Identification of Spatial Patterns of Dengue Hemorrhagic Fever Using Spatial statistics
S2: GIS for Spatial Analysis, December 11, 8:30 – 9:30 Room2: VISTA BALLROOM 2 (3rd floor)		
0134	Boonyasith Khobkhun, Pornthep Rojanavasu, Chanika Sukawattanavijit, Chompunut Chayawat, Krittika Kantawong and Jirabhorn Chaiwongsai	Comparative Analysis of Evapotranspiration in Sugarcane Fields Using MODIS Satellite Data and Ground-Based Weather Stations
1354	Junke Xu, Alireza Dehghani and Yilin Li	Geospatial Evaluation of Remote Working Hubs: A Graph Convolutional Network Model
1558	Kritchayan Intarat, Saruda Chuenkamol, Nithima Nuangjamnong, Areewan Hussadin, Chayapol Promaoh and Tuvachit Chalamkate	Enhancing Urban Heat Island Analysis through Indices-Based Prediction of Land Surface Temperature in Khon Kaen City, Thailand
1664	Ngoc Truc Phuong Van	DEVELOPMENT OF WEB ATLAS FRAMEWORK OF CAT TIEN NATIONAL PARK
S3: Sustainable Environment and GIS, December 11, 8:30 – 9:45 Room3: VISTA PRIVATE (2nd floor)		
0420	Panupong Chaiwongsaen, Sitthisak Pinmongkhonkul, Arthit Nuntakwang, Boonchuang Boonsuk, Manas Titayavan, Warin Boonriam and Sorasak Nak-Eiam	SURVEY AND DISTRIBUTION OF FIREFLIES (COLEOPTERA: LAMPYRIDAE) IN KWAN PHAYAO AREA, PHAYAO PROVINCE, THAILAND.
6313	Pranorm Khrueawan, Siriwat Boonchaisri, Achara Kleawkla, Chattakan Jantaput, Nakarin Chaikaew, Winai Wiriyaalongkorn, Watcharin Jantawan and Ekawit Threenet	Sex determination in leave of date palm (Phoenix doactylifera) on the juvenile vegetative phase between tissue culture and seeding by using LC- QTOF-MS technique
7521	Wattana Loungon, Torpong Kreetachat, Saksit Imman Imman, Nopparat Suriyachai, Surachai Wongcharee, Preut Thanarat and Kowit Suwannahong	Enhancing Air Quality with an Innovative IoT-Integrated Hybrid Air Pollution Control System
2380	Sitthisak Moukomla, Kridsakron Auynirundronkool, Phurith Meeprom and Supaporn Manajitprasert	Evaluating Models for Urban LULC Classification by Integrating Earth Engine and Python Ecosystem
9946	Minh-Thu Phan, Dinh Duan Ho and Van Chung Tran	Oil Spill in the Southern Marine Regions of Vietnam: Models and Simulations

S4: GIS for Spatial Analysis, December 11, 14:15 – 15:45 Room1: VISTA BALLROOM 1 (3rd floor)		
2115	Pongsak Jindasee, Prattana Deeprasertkul, Krittika Kantawong, Sawarin Lerk-U-Suke, Napa Rachata and Jirabhorn Chaiwongsai	A DSSAT Model Approach for Yield Optimization: A Case Study of Mae Na Rua, Phayao, Thailand
2599	Montree Pinkaeo, Prattana Deeprasertkul, Phaisarn Jeefoo, Surachai Chantee, Pornthep Rojanavasu and Jirabhorn Chaiwongsai	Assessing the Performance of Machine Learning Models using Satellite Dataset for Classification of Various Crop Types
5067	Porutai Thianthai, Phaisarn Jeefoo, Nuntikorn Kitratporn, Sukij Skawsang, Panu Nuangjamnong and Sawarin Lerk-U-Suke	Satellite-based Nitrogen Uptake Evaluation in Rice Cultivation
2608	Athiwat Phinyoyang, Tinn Thirakultomorn, Wilawan Prasomsup, Kankaew Kanya, Bantita Jaemklang and Buachomphu Phaensanthia	SPATIO-TEMPORAL ANALYSIS OF ROAD ACCIDENT ON HIGHWAY 2 BETWEEN NAKHON RATCHASIMA INTERSECTION AND JOHO INTERSECTION
3425	Yen Phan Quo, Nga Nguyen Thi Thu and Hanh Tong Thi	Research on developing an automated tool for evaluating spatial data quality according to the national geographic data standard technical model
5470	Tinn Thirakultomorn, Athiwat Phinyoyang, Wilawan Prasomsup, Sumitta Khosungnoen and Kodchakon Phunak	ACCURACY ASSESSMENT OF ORTHOPHOTOGRAPH FROM UNMANNED AERIAL VEHICLE WITH MULTI-FLIGHT PLAN
S5: GIS & RS, December 11, 14:15 – 15:45 Room2: VISTA BALLROOM 2 (3rd floor)		
1148	Sommart Niemnil	Satellite subsidence and sea-level data assimilation for mean high-water line assessment in the Bangkok area
1366	Mesha Singharath, Thanakrizt Peebkhunthod and Phaisarn Jeefoo	Climate Modeling in the Gulf of Thailand to Predict Beach Loss Due to Sea Level Rise
2691	Pannatorn Woottipriyatorn, Niti Iamchuen, Nakarin Chaikaew, Thidapath Anucharn, Thitisorn Spirom and Phongsakorn Hongpradit	Geo-informatics-based Flood Extent Mapping and Analysis Using Sentinel-1 Data: A Case Study of Phayao Province
6289	Natima Udon, Kampanart Piyathamrongchai and Sittichai Choosumrong	Development of a Time Series Visualization Application for PM2.5 Level Changes Using Google Earth Engine.
2898	Mario Batubara, Musthofa Lathif, Ibnu Fathrio, Asep Sulaeman, Heru Subarkah, Yopie Kristiana and Poki Agung Budiantoro	Characteristics of Infrasound Wave Background Noise on the Coast of Jakarta, Indonesia
3110	Suriyawate Boonthalarath, Nakarin Chaikaew and Phaisarn Jeefoo	The Systematic Effectiveness Comparison of Spatiotemporal Carbon Dioxide Emission with Spatial Interpolation Methods: Case Study in Thailand
S6: GIS for Spatial Analysis, December 11, 14:15 – 15:45 Room3: VISTA PRIVATE (2nd floor)		
6317	Kasidet Sirisakorn, Ketvara Sittichok and Chuphan Chompuchan	Land Use Changes Prediction in the Phra Phimon Irrigation Scheme using Multi-temporal Landsat Imagery and CA-ANN Model
8706	Theerasak Ooppakarn and Sawarin Lerk-U-Suke	Performance evaluation of Mini-UAV Photogrammetry for Rooftop Area Measurement
8935	Kannika Maomool, Samniang Suttara and Sawarin Lerk-U-Suke	Optimizing Building Footprint Extraction from UAV Imagery using Pretrained Deep Learning Models: A Case Study in University of Phayao, Thailand

5907	Kulapramote Prathumchai, Chitsanu Anurakjaturong, Nitis Boonanun, Kitthiya Pooriwitayawattana, Supattra Tookhokkruad, Sopita Ountuang and Wilawan Khrutsuwan	Service area of Elderly care facility in the Perimeter Region of Thailand, using GIS
6240	Kednipa Prasongsri	Enhancing Thailand's Cultural Diplomacy: A GIS-Based Analysis of Global Sentiments Toward Thai Food and Tourism
8194	Woranut Chansury, Nuntikron Kitratporn, Anusorn Rungsipanich, Teansiri Moolchan, Chatchaya Buaniam, Itthirit Pintong and Nattanon Chaisak	The Development of Satellite-based Active Fire Database and Hotspot Clustering to Enhance Forest Fire Management Practices in Thailand

S7: A Critical Network Perspective (SDGs), December 11, 15:50 – 17:05 Room1: VISTA BALLROOM 1 (3rd floor)		
0536	Krittawit Suk-Ueng, Sawarin Lerk-U-Suke, Pensri Malithong, Sutti Malithong and Pemmanee Senasutthiphan	Utilizing Unmanned Aerial Vehicles to assess carbon sequestration in trees conducted in response to plant genetic conservation project under the Royal Initiative of Her Royal Highness Princess Maha Chakri Sirindhorn at Chiang Rai Rajabhat University.
0587	Aitsara Chanthakhot, Poramed Aungthitipan, Pornmongkol Tansomros, Pattaranun Maskhunthod, Athicha Janthakot, Sukanya Hongthong, Torpong Kreethachat, Kowit Suwannahong, Surachai Wongcharee and Saksit Imman	Characterization of Biochar Produced from Sawdust and Polypropylene Plastic Waste Composite via Slow Pyrolysis
0667	Wanawan Pragot, Kornganok Thongta, Chaturawit Chanchai, Sukhuma Chitapornpan, Somanat Somprasert, Supreeda Homklin, Chaiwat Photong, Pimsiri Suwanpat and Chatthip Chaichakan	Evaluating the travel carbon footprint associated with using digital platforms for accessing social welfare services
1358	Sorrachat Intana, Sukhuma Chitapornpan, Somanat Somprasert and Satawat Tanarat	Kinetics Evaluation of Total Solids Content Affects on Biohydrogen Production from Food Waste by Dark Fermentation
1687	Saksit Imman, Nopparat Suriyachai and Torpong Kreetachat	Efficiency of Liquid Hot Water Pretreatment of Water Hyacinth on enztmatic hydrolysis
S8: A Critical Network Perspective (SDGs), December 11, 15:50 – 17:05 Room2: VISTA BALLROOM 2 (3rd floor)		
2112	Wattana Loungon, Torpong Kreetachat, Saksit Imman, Nopparat Suriyachai, Surachai Wongcharee, Preut Thanarat and Kowit Suwannahong	Enhancing Air Quality with an Innovative IoT-Integrated Hybrid Air Pollution Control System
4793	Khatiya Weerasai, Saksit Imman, Torpong Kreetachat and Nopparat Suriyachai	Acid Precipitation of Lignin from Alkali Black Liquor: A Study on the Optimization of Lignin Recovery Using H_2SO_4 and HCl
9512	Patsanun Lawongyer, Sittichai Pimonsree and Patipat Vongruang	Perspective on mortality associated with particulate matter in upper northern Thailand over the 2014–2023 period

3602	Viphada Boonlerd, Woranut Chansury, Panu Nueangjumnong, Pakorn Petchprayoon, Sansita Rattanasupa, Sirilux Noikeaing, Apantri Yutthapan and Pheeraphong Rattanaburi	Integrating Sentinel-2 Imagery and Machine Learning for Crop Damage Evaluation in Thai Agriculture
6544	Thi Viet Huong Do, Phuong Nghi Nguyen and Thi Thanh Ninh Nguyen	VISUALIZING AWARENESS AND BEHAVIOR IN REDUCING SINGLE-USE PLASTIC AMONG HIGH SCHOOL STUDENTS USING THE INTERACTIVE ARCGIS STORYMAP
S9: IOT & WEB GIS, December 11, 15:50 – 17:20 Room3: VISTA PRIVATE (2nd floor)	
9141	Wichapol Utumporn, Suwabhat Somboonsub, Watchara Amasiri, Dahmmaet Bunnjaweht, Warinthorn Kiadtikornthaweeyot Evans and Pirapat Waritkraikul	An Implementation of the NOAA Satellite Data Reception Ground Station for Weather and Climate Enthusiasts
3619	Thuong Tran, Hoa Trieu and Nathaniel Bantayan	GIS-based Hybrid Machine Learning for Landslide Susceptibility Assessment in Thai Nguyen Province, Vietnam
6990	Thongley Thongley and Younten Tshering	Landslide Risk Mapping and development of landslide database and mobile app for Bhutan
9425	Kittikun Nupat, Nakarin Chaikaew, Niti Iamchuen, Phongsakorn Hongpradit, Thitisorn Sriprom and Thidapath Anucharn	Monitoring Land Use Changes and Comparing Watershed Quality Classes: A Case Study of Mueang Phetchabun District, Phetchabun Province
6244	Noor Ropidah Bujal, Shaizan Jusoh, Mokhtar Hashim, Syazana Md Dali, Nor Sukor Ali and Mohamed Noor Azman Bidin	Development of IoT-Based Compact Mushroom Cultivation Monitoring System
2384	Carlos Pascual and Porfirio Bajo	DEVELOPMENT OF AN INTERACTIVE WEB-BASED NATURE-BASED SOLUTIONS MENU FOR BORONGAN CITY, PHILIPPINES

S10: GIS-IDEAS track, December 12, 9:00 – 10:30 Room1: VISTA BALLROOM 1 (3rd floor)	
88001	Shouyi GAO	Evaluation of inundated areas after a tsunami disaster using satellite remote sensing data and GIS
88008	Mohammad Firuz Ramli , Zulkiflee Abd Latif and Nasyairi Mat Nasir	Geological consideration for development in Banding Island, Malaysia using remote sensing and GIS
88019	Ho Dinh Duan	MAPPING SOIL POLLUTION IN CAMAU CITY, VIETNAM
88022	Kittituch Naksri | Chaiwiwat Vansarochana	PRESENTING THE FLOOD HAZARD ANALYSIS IN WANGTONG DISTRICT, LOWER NORTH THAILAND USING GEO-INFORMATICS TECHNIQUES WITH OPEN SOURCE SOFTWARE: HAZMAPPER
88027	Ho Dinh Duan	ASSESSING LAND USE FUNCTION VARIATION IN URBAN TRANSITION: A CASE STUDY OF VUNG TAU CITY, VIETNAM

S11: GIS-IDEAS track, December 12, 9:00 – 10:30 Room2: VISTA BALLROOM 2 (3rd floor)		
88007	Vu Khac Hung	Climate change impacts agricultural production in the coastal area of Thi Nai lagoon, Binh Dinh province: An analysis of the livelihood vulnerability index
88018	Tran Hong Hanh, Nguyen Tien Duong, Pham Thi Thanh Hoa, Tran Van Anh	APPLICATION OF GIS TO BUILD A LAND DATABASE IN A MOUNTAINOUS DISTRICT OF SON LA PROVINCE, VIETNAM
88009	Ho Dinh Duan	Oil Spill in the Southern Marine Regions of Vietnam: Models and Simulations
88021	Bui Ngoc Tu	Predicting land-use change using GIS and machine learning - a case study in Tuyen Quang city, Vietnam
88028	Ha Trung Khien	INVESTIGATING LAND SUBSIDENCE BY PROCESSING MULTI-TEMPORAL SAR TIME SERIES ON GOOGLE COLAB: CASE STUDY IN CAMAU CITY, MEKONG DELTA, VIETNAM
88029	Hieu Huu Viet Nguyen	Estimate the amount of carbon emissions from deforestation and forest degradation over two decades in Kon Ha Nung Plateau, Gia Lai Province, Vietnam