

## ISFF7 Program Poster presentations

1<sup>st</sup> day: 05 June 2023

Paper ID	Authors	Title
160	<b>Boudiaf Besma</b> , Zekai Sen and Boutaghane Hamouda	IPTA as an innovative tool to detect climate change impact on rainfall; case study: North-Eastern Algeria
244	<b>Fethi Hamzaoui</b> , Franck Taillandier, Nesrine El Houari and Omar Taleb	Nature-based Solutions (NBS), a global and recent concept in flood risk management
361	<b>Mohamed Annad</b> and Abdelouahab Lefkir	Comparison and validation of existing scour formulas according to different soil classes
777	<b>Hammed Opeyemi Rasag</b> , Alhassan Abdulai, Henrietta Andoh, Mervis Namakhwa, Donnata Alupot, Maryam Shu'Aibu Hassan, Assou Yves Kokouvi and Habibou Souley Yacouba	Community-based flood risk management : A critical review of current issues and challenges in Algeria
853	<b>Yaser Sabzevari</b> , Saeid Eslamian and Hamouda Boutaghane	Forecasting the daily inflow with an Artificial Intelligence Method
1153	<b>Abdallah Afra</b> , Abdesselam Megnounif, Chérifa Abdelbaki, Mohamed Saber and Sameh A. Kantoush	Flash Flood Modeling - Case of Wadi Mekker North West of Algeria
1515	<b>Abdessamed Derdour</b> and Cherifa Abdelbaki	The assessment of flood flows by different statistical methods: Case of the watershed of Wadi Ain Sefra (Upper Wadi Namous, SW Algeria)
1530	<b>Ayisha Al Khatri</b> and Ahmed Al Barwani	The Omani experience in flash floods monitoring and mitigation
1647	<b>Bentalha Chakib</b>	Evaluation the performance of green roof on runoff reduction by using SWMM
2249	<b>Leila Djellit</b> and Fares Laouacheria	The impact of climate change and land use on the response of the Mellegue catchment (northeast of Algeria)
2493	<b>Hammed Opeyemi Rasag</b>	Hydrometeorological investigation of extreme events over selected locations in Africa
2736	<b>M'Hamed Atallah</b> , Fayçal Djellouli, Tahar Medjdoub Hamdaoui and Abdelkrim Hazzab	Rainfall-Runoff modeling using the HEC-HMS model for the Mekerra Wadi watershed (N-W Algeria)
3194	<b>Stephen Lungomesha</b> , Sam Otim Kizito, Chikondi Chizu and Susan Njoki Maina	Flood Risk Management in Africa. A case study of Kenya, Malawi, Uganda, and Zambia



3245	<b>Bounab Rayane</b> , Boutaghane Hamouda, Trambly Yves and Boulmaiz Tayeb	Comparison of machine learning techniques in rainfall simulation using satellite products
3573	<b>Yacine Berrezel</b> , Chérifa Abdelbaki and Mohamed Saber	Flash flood forecasting and risk assessment using hydrological models, remote sensing and GIS techniques
3679	<b>Ahmad Sana</b> , Hitoshi Tanaka, Lamyaa Al-Shezawi and Ghazi Al-Rawas	Simulation of a flash flood in Wadi Aday, Sultanate of Oman
3921	<b>Issam Lagha</b> , Hicham Boumerzouf, Ahmed Bouzid and Khaled Gassi	The contribution of digital elevation models to hydrological modeling
4756	<b>Asma Bouamrane</b> , Saber Mohamedmd, Ali Bouamrane, Hamouda Boutaghane, Habib Abida, Sameh Ahmed Kantoush and Sumi Tetsuya	Evaluation of soil erosion and sediment yield using DLNN and AHP methods: A case study of Mellegue
4868	<b>Hadir Abdelmoneim</b> , Mohamed Saber, Sameh Kantoush, Hossam Moghazy and Tetsuya Sumi	Understanding and quantifying the impact of climate change on extreme precipitation and flooding events over the Nile River basin
5675	<b>Dawd Ahmed</b> , Venkatesh Uddameri and Stephen Osire	Seasonal and multi-scale drought trend analysis in Ethiopia
6103	<b>Ala Bouchedehed</b> , Salim Heddami and Fares Laouacheria	Prediction of Seepage Flow Through Embankment Dams Using Artificial Intelligence Approaches
6255	<b>Ahmad Awad</b> , Katja Brinkmann, Clara Hohmann, Maram Jamil Al Naimat and Wafaa Abu Hammour	How have land cover changes and urbanization contributed to the flash flood risk in the city of Amman ? An analysis of past and future trends
6661	<b>Amina Abdelbaki</b> and Fatima Fekih	Contribution of Remote sensing and GIS for the analysis of wildfires in Chlef, Algeria
6673	<b>Sabah Almahrouqi</b>	Current and Updated Intensity-Duration-Frequency (IDF) Curves over MENA Region under Future Climate Scenarios
7351	<b>Peter Hoffmann</b> , Marianne Brum, Mahmoud Alrahaife and Clara Hohmann	Casual linkage between extreme rainfall in Jordan and large scale circulation patterns
8384	<b>Dawit Kanito Kassa</b> , Dawit Kanito Kassa and Dawit Kanito Kassa	Sediment Yield Estimation in GIS Environment Using RUSLE and SDR model in Southern Ethiopia
8435	<b>Bahar Tidjani Bahar</b> , Loukman Bichara and Lazaki Ouassalbe	Assessment the impact of agricultural activities on the pollution of groundwater of Djermaya in Chad (Central Africa)
8817	<b>Dahak Asma</b> and Boutaghane Hamouda	Modelling of infiltration using artificial intelligence techniques in semi-arid Algeria
8916	<b>Donnata Alupot</b> , Maryam Shu'Aibu Hassan, Assou Yves Kokouvi, Habibou Souley Yacouba, Hammed Opeyemi Rasaan, Alhassan Abdulai, Henrietta Andoh and Mervis Namakhwa	Flash flood risk under climate change : A review of socioeconomic vulnerability and adaptation measures in Algeria



8957	<b>Abdelghafour Dellal</b> and Abdelouahab Lefkir	Use of artificial neural networks with k-means clustering technique to predict the suspended sediment load
9372	<b>Naoual Baghli-Merabet</b>	Vulnerability of water management in Algeria to climate change
9378	<b>Mohammed El Amin Benabdelkrim</b> , Abderrahmane Nekkache Ghenim, Abdesselam Megnounif and Mohamed Saber	Precipitation variability and trend analysis in Macta basin (Northwest of Algeria)
9619	<b>Gherissi Radia</b> , Belarbi Halima and Kazi-Tani Hychem	Application of the HBV-Light model to the oued Mouillah watershed (Tafna/NW Algeria)
9783	<b>Mahmoud Abdelkder</b> , Ahmed Elfeky and Mohamed Saber	An Integrated study for flash flood risk assessment using morphometric analysis and watershed modelling systems considering water harvesting (wadi dama, Saudi Arabia)
9997	<b>Nour El Isslam Kerroumi</b>	Sub-grid hydrology options in the SURFEX-ISBA model

**2<sup>nd</sup> day: 06 June 2023**  
**Morning Session**

Paper ID	Authors	Title
391	<b>Dalila Oulhaci</b> , Meryem Attab and Mohammed Zahaf	Study of climate change in an arid region (Case of Ouargla) and a subhumid region (case of Guelma).
414	<b>Zeyneb Benkebil</b> , Amina Taleb, Ibrahim Zenagui and Nouria Belaidi	The impact of low water on the dynamics of benthic and hyporheic communities in the headwaters of the Tafna river (Northwest Algeria)
582	<b>Saroj Karki</b>	Impact of sediment yield on the morphology and flash floods of an ephemeral river in a hilly catchment in Terai-Chure landscape of Nepal
589	<b>Djafer Khodja Hakim</b> , Cherif El Amine and Ferhati Ahmed	The use of WEAP software in water resources management and climate change modeling, Isser watersheds
617	<b>Ali Haddad</b>	Calibration and validation of combined hydrologic-hydraulic model for flash floods forecasting on Oued El Hachem watershed, Algeria
995	<b>Siba Amina</b> and Aboura Rédda	A comparative study of the climatic changes of the coast and the Algerian steppe between (1985-1999) and (2004-2018)
1004	<b>Marianne Brum</b> , Peter Hoffmann, Clara Hohmann and Mahmoud Alrahaife	Comparison of global and regional satellite rainfall products for flood event detection in Jordan



1645	<b><u>Khaled Gassi</u></b> , Bassem Chelli and Hanane Saoudi	The effect of the physical parameterization schemes in WRF-ARW on the quality of the prediction of heavy rains that cause flooding, application on eastern Algeria
1773	<b><u>Ahmed Ferhati</u></b> , Nour El Houda Belazreg, Salim Djerbouai and Hakim Djafer Khodja	Assessment of pollution in groundwater quality: A case study of M'sila province (Algeria)
2063	<b><u>Bekhta Mansour</u></b> and Abderrahim Badraoui	Study of the vulnerability of water resources in the face of climate change : Modeling using WEAP21 Software
2123	<b><u>Tahar Ikni</u></b> , Ali Berreksi, Lamia Touazi and Mohamed Belhocine	LAX-FRIEDRICHS' numerical scheme for simulating the dam failure wave in the presence of obstacle
2256	<b><u>Benmansour Nadir</u></b>	Highlighting the relationship between Karstic environment and flash floods in northern Algeria : case of Oued Mekerra
2267	<b><u>Koala Kabore Zourata</u></b>	Mapping Potential Aquifer Zones Or Catchment Fields In The Basement Zone In Burkina Faso
2375	<b><u>Aminata Kone</u></b>	Flood forecasting in the district of Bamako area by hydraulic/hydrological modelling and mapping
2406	<b><u>Webster Gumindoga</u></b>	A geospatial based wetland delineation for Zimbabwe : key to integrated water resources management and climate change
2780	<b><u>Mehdi Belhani</u></b> and Hamouda Boutaghane	Life Cycle Assessment of Urban Water System of Annaba City - Algeria
2927	<b><u>Sylvester Richard Chikabvumbwa</u></b>	Geospatial modelling of sediment loads in reservoirs amidst climate change in Zambezi river basin
3239	<b><u>Slimani Nourelhouda</u></b> and Boukhemacha Mohamed Amine	Experimental investigation of soil erosion processes: A review
3512	<b><u>Salah Eddine Tachi</u></b> , Housseyn Bouzeria, Hamza Bouchehed, Hamza Bougerra, Larbi Djabri, Saadia Benmamar, Bartosz Łozowski, Salim Benziada and Andrzej Woźnica	Mapping flood susceptibility areas and assessing influential factors
3518	<b><u>Hiba Chahroui</u></b> and Abdelkader Bemoussat	Estimation of precipitation from satellites : A study of the reliability using measured precipitation
3537	<b><u>Elhadj Mokhtari</u></b> , Belkacem Merzouk and Mourad Bekri	Sediment transport modelling using HEC-RAS software in the Oued Cheliff-Ghrib watershed
3723	<b><u>Hanane Abdelmoumene</u></b> , Kamila Baba Hamed and Abderrazak Bouanani	Application of hydrological methods for estimating extreme floods in Algeria. Application to the Wadi Sebdoou watershed (Tafna-NW Algeria)
3747	<b><u>Djellouli Fayçal</u></b> , Atallah M'Hamed and Baba-Hamed Kamila	Monitoring and evaluation of catchment behavior of the wadi louza under meteorological drought conditions in NW-Algeria



3811	<b><u>Kaddour Zaidi</u></b> and Messaoud Djeddou	Predictive modelling of sludge quantity production in Wastewater Treatment Plant using a Multi-Layer Perceptron Neural Network (MLPNN) combined with Discrete Wavelet Transforms (DWT)
4041	<b><u>Ibrahim Zenagui</u></b> , Nouria Belaidi, Zeyneb Benkebil and Amina Taleb	Nitrogen dynamics in a semi-arid wadi (Tafna) in response to a severe and prolonged drying period
4189	<b><u>Riad Hachemane</u></b> , Hassina Seridi, Hamouda Boutaghane, Nour El Kislem Katrabadji, Walid Rehamnia and Tayeb Boulmaiz	Classification of flood zones for a decision support system
4351	<b><u>Malia Benali Khodja</u></b> and Abdelhadi Ammari	Quantification of solid transport and mapping of specific erosion in the Isser watershed (North of Algeria)
4426	<b><u>Zaineb Ali</u></b> , Marnik Vanclooster, Imen El Ghoul and Mohamed Ouessar	Comparison and evaluation of rainfall and meteorological data for the Bayech basin (South West Tunisia) with GPM IMERG /TRMM 3B42 and TerraClimate products
4834	<b><u>Medfouni Mohamed Nadjib</u></b> , Marouf Nadir and Korichi Khaled	Application of artificial neural networks (ANN) and neuro-fuzzy (ANFIS) in rainfall-Runoff modeling: Case of the Zardeza basin, North East Algeria
4887	<b><u>Ewube Egbe</u></b> , Seyni Salack and Cherifa Abdelbaki	The Impact of Climate Change on Water, Sanitation, and Hygiene(WaSH): Baseline Assessment in Four Rural Communities of Fako-Division, Southwest Region-Cameroon
4890	<b><u>Abdessalam Laoufi</u></b>	Contribution of remote sensing and gis for hydrological and geological mapping. Case of isser watershed (North West Algeria)
4924	<b><u>Ishak Abdi</u></b> and Mohamed Meddi	Impact of climate change on the flows of the Mitidja plain basins in Northern Algeria
4976	<b><u>Soumia Manel Hachemi</u></b>	Morphometric analysis of Sebdou watershed (North-West Algeria) Using remote sensing and GIS techniques
5065	<b><u>Sewmehon Fanta</u></b> , Bayisa Gedefa and Tamene Demissie	Simulation of hydrological processes using SWAT+ : A case study of Guder Watershed, Abay Basin, Ethiopia.
5143	<b><u>Otmane Abdelkader</u></b> , Baba-Hamed Kamila, Bouanani Abderrazak and Safa Aissa	L'apport de la prédétermination des crues extrêmes et la modélisation hydrologique à l'estimation des pertes d'eau dans les sous bassins de la Mekerra (NW - Algérien)
5229	<b><u>Hamza Bouguerra</u></b> , Salah Eddine Tachi, Oussama Derdous, Hamza Bouchehed and Chemsseddine Bouhadab	Spatio-temporal trend analysis of the climate variables in the Constantinois-Seybouse-Mellegue Basin (Northeastern Algeria)
5285	<b><u>Mervis Henry Namakhwa</u></b>	Impacts of climate change on sediment yield and hydropower generation in the Shire basin
5424	<b><u>Belhadri Mazouri</u></b> and Nasr-Eddine Boudjenane	Characterization and valorization of sediments from Sidi Yaccoub Dam



5478	<b>Vivian Wabwire</b>	Causes and impacts of flash floods: Case study of Northern Kenya
5497	<b>Kara Benyekhlef</b> , Moudjeb Miloud and Nemdili Ali	A comparative study of different software for soil erosion simulation and control
5583	<b>El-Khansa Lameche</b> , Hamouda Boutaghane, Mohamed Saber, Sameh A. Kantoush, Kenji Tanaka, Karim I. Abdrabo, Tayeb Boulmaiz, A. Malek Bermad, Messoud Djeddou and Tetsuya Sumi	Flash floods Forecasting under the impact of climate change: Case study, wadi El-Harrach, Algeria

**2<sup>nd</sup> day: 06 June 2023**  
**Afternoon session**

Paper ID	Authors	Title
5750	<b>Faiza Hallouz</b> , Mohamed Meddi and Salah Eddine Ali Rahmani	Trend analysis of rainfall erosivity and erosivity density of semi-arid region in Northern Algeria
5793	<b>Bounkhala Naima</b> and Boudjemline Djamel	Hydrological modeling of the Misserghine Wadi Watershed (Oran-Algeria)
5801	<b>Ciniso Sizwe Gina</b> and Abdurrahman Abdulkareem Aliyu	Flood Risk Mitigation Strategies in Mbabane city, Eswatini.
5830	<b>Elhadj Mokhtari</b> , Messaoud Djeddou, Ibrahim A. Hameed and Moayyad Shawaqfah	Soil Erosion Rate Prediction using Deep Learning Model (DNN vs CNN) and Geographic Information System (GIS) of Wadi Sahel-Soummam Watershed (Algeria)
5868	<b>Housseyn Bouzeria</b> , Hamza Bouguerra and Salah Eddine Tachi	Contribution of GIS tools and remote sensing to the control of the filling rate evolution of Sid Yacoub dam in Chlef, Algeria
5929	<b>Ouled Belkhir Cheikh</b> , Remini Boualem and Baba Omar Dahmane	Study of the anthropogenic effect and climate change on the m'zab flood regime over the period 1921-2022 (northern Sahara)
5956	<b>Fadila Saouli</b> and Kamila Babahamed	Contribution of statistical methods to the spatialization of climate parameters in Algeria.
5973	<b>Ikram Mahcer</b> , Djelloul Baahmed and Cherifa Hanene Kamelia Chemirik	Spatial and temporal variation of drought based on the vegetation condition index in northwest Algeria
6008	<b>Mezhoud Wissame</b> , Belhani Mehdi and Boutaghane Hamouda	Life Cycle Analysis of a development project for cities protection- Algeria
6120	<b>Ziane Mahdi</b> , Megnounif Abdesselam and Abdelbaki Chérifa	Urban flash flood modeling using EPA SWMM : a case study of Tlemcen city
6227	<b>Habiba Haddad</b> , Fazia Benrejdal and Hafida Ghoualem	Hydrochemical study and physico-chemical characterization of the Algerian coastal watershed.
6268	<b>Azzeddine Mansour</b> , Dounia Mrad and Yassine Djebbar	Modeling of flash flooding in region north east of Algeria



6475	<b><u>Abdelmounaim Limane</u></b>	Assessing of soil erosion in Bouhamdane watershed, northeastern of Algeria using Monte Carlo simulation and multi-criteria decision making approach
6575	<b><u>Sabri Dairi</u></b>	Flood mitigation plan for the Souk-Ahras region, north-eastern Algeria
6647	<b><u>Fatima Kastali</u></b> , Mohammed Meddi and Abdelmadjid Boufekane	Studing and modeling of the interactions between “El Hamiz” river and the Mitidja groundwater
6724	<b><u>Farid Rouaibia</u></b>	Groundwater quantity and quality assessment: Case of the Karst Aquifer of Taoura, North-eastern Algeria
6730	<b><u>Mohammed Tahar Fortas</u></b> , Tayeb Boulamiz, Abdelmalek Bermad and Hamouda Boutaghane	Flash flood susceptibility mapping using eleven machine learning models: Case of Wadi M'zab Valley in Ghardaia, Algeria
6977	<b><u>Sarra Tadlaoui</u></b> , Cherifa Abdelbaki, Belarbi Halima and Yves Trambly	Meteorological and hydrological drought assessment case of Haute Tafna basin
7011	<b><u>Benmansour Nadir</u></b> and Haddouche Driss	Deterministic modeling for the study of the impact of hydrotechnical protection schemes and the mapping of the flood zone
7195	<b><u>Mohammed Mohammedi</u></b> , Salim Ziani-Cherif and Abdelkrim Benamar	Forest Fire Ignition Triggers
7279	<b><u>Sekina Amiar</u></b> , Abderrazak Bouanani and Kamila Baba-Hamed	Characterization and regionalization of drought in the upper and middle Cheliff watershed
7871	<b><u>Jalal Al-Qaryouti</u></b>	The role of local knowledge in Increasing the adaptive capacity in coping with floods in Jordan
8083	<b><u>Nour El Houda Ferdjouni</u></b> , Dahbia Djoudar Hallal and Ouahiba Aziez	Spatio-temporal variability of rainfall and its impact on groundwater resources
8203	<b><u>Hycham Abdessalam Kazi Tani</u></b> , Radia Gherissi and Aymen Zegnouni	Study of the different type of flood and their contribution to sediment transport. Case of Sebdu watershed (North-West of Algeria)
8234	<b><u>Cherifa Hanene Kamelia Chemirik</u></b> , Djelloul Baahmed and Ikram Mahcer	Modeling the effect of climate change on groundwater potential zones using AHP and geoinformation techniques : Case of Mostaganem plateau, Algeria
8324	<b><u>Sid Ahmed Bouguerra</u></b> and Bakhta Mansour	Impact of floods on hydro-sedimentary dynamics in semi-arid climate: upper Tafna watershed in Beni Bahdel (northwest of Algeria)
8424	<b><u>Khadidja Timi</u></b> , Kamila Baba Hamed and Abderrazak Bouanani	Caracterization of the input (rain) ant output (flow) signal of the Sebdu sub-watershed (semi-arid region of Tafna) with wavelet analysis
8556	<b><u>Samira Boughandjioua</u></b> , Fares Laouacheria and Lotfi Zeghadnia	Application of the spatio-temporal runoff model to estimate the hydraulic performance of the stormwater network of Sidi-Mezghiche City
8737	<b><u>Benhattab Karima</u></b> , Beneddine Lakhdar and Nemdili Ali	Hydrological modeling for the prediction of flash floods - application to small watersheds in the North West of Algeria -



8943	<b>Djouhra Baloul</b> , Abderrahmane Nekkache Ghenim and Abdessalem Megnounif	Suspended sediment concentration behaviour during flood event in Wadi Isser-NW Algeria.
8977	<b>Malia Benali Khodja</b> and Nour El Houda Ferdjouni	Assessment of the meteorological drought in A semi-arid area case of the Isser Wadi watershed
9012	<b>Belkacem Merzouk</b> , Hassiba Bir, Elhadj Mokhtari and Ali Berghout	Potential soil loss estimation using RUSLE, GIS, and Remote Sensing in Boussellam basin in Northeast Algeria
9181	<b>Abdallah Afra</b> , Abdesselam Megnounif, Chérifa Abdelbaki, Mohamed Saber and Sameh A. Kantoush	Flood Susceptibility Mapping Using GIS-AHP Multi-criteria Analysis - Case of Mekkeria Basin Northwest of Algeria
9284	<b>Karima Mellouk</b> and Najet Aroua	Floods in annaba in a context of climate change
9363	<b>Hayet Aroufi</b>	Potential soil erosion estimation and area prioritization for better conservation planning using RUSLE and GIS techniques
9515	<b>Lamia Touazi</b> , Tahar Ikni, Ali Berreksi and Mohamed Belhocine	Numerical study of the dam failure wave in the presence of a triangular obstacle
9541	<b>Sid Ali Djafri</b> , Sonia Cherhabil and Mohammed Amin Hafnaoui	Numerical modeling the flood of El Bayadh city using HEC-RAS 2D
9556	<b>Siham Mesli</b> , Kamila Babahamed, Abderrazak Bouanani and Souheyla Azzouz	Analysis of drought index combined with break detection results in the lower Mekerra watershed (Sidi Bel Abbes Region)
9659	<b>Mezhoud Wissem</b> , Keblouti Mehdi, Boutaghane Hamouda and Belhani Mehdi	Attempt to delimit flood zones by GIS Case of the city of Hamma Bouziane, Constantine Algeria
9761	<b>Fazia Benrejdal</b> , Habiba Haddad and Hafida Ghoualem	Diagnosis of the physical and chemical quality of storm water from urban areas

**3<sup>rd</sup> day: 07 June 2023**  
**Morning Session**

Paper ID	Authors	Title
1863	<b>Lanie Alejo</b> , Alvin Felipe, Orlando Balderama and Geoffrey Lloyd Barend	Climate Change Worsens the Drought Vulnerability of River Basins : The Case of Magat River Basin, Philippines
1940	<b>Mouhanned Jabberi</b> , Sameh A. Kantoush, Asma Bouamrane, Mohamed Saber, Hamouda Boutaghane and Tetsuya Sumi	Sediment transport management using reservoir cascade operation in the Transboundary Medjerda wadi
1976	<b>Nada Joumar</b> , Soumaya Nabih, Jamal Eddine Stitou El Messari and Lahcen Benaabidate	Assessment of flow alteration in a Mediterranean watershed





3050	<b>Hamza Bouchehed</b> , Hamza Bouguerra, Salah Eddine Tachi, Saida Benmamar, Jazia Arrar and Oussama Derdous	Evaluating and mapping flood susceptible areas using analytical hierarchy process based on the flood risk index (case of Annaba city-Northeastern Algeria)
3144	<b>Ibrahim Rahou</b> and Khaled Korichi	Flood wave simulation using riemann hllc finite volume Solver : case study
3185	<b>Abeer Abbas El Saharty</b>	Moving towards the low-cost solar production of green H2 Fuel from water photocatalytic splitting, An approach towards climate change mitigation
3871	<b>Saggaï Sofiane</b> , Dalila Oulhaci, Oum Elkheir Bachi and Djamel Boutoutaou	Indicators of climate change in Algerian arid areas
4195	<b>Karim Abd rabo</b> , Sameh Kantoush, Mohamed Saber and Tetsuya Sumi	Evaluating Six Low-Impact Development Tools Performance to Reduce Runoff Volume in Arid and Semi-Arid Urban Areas : A Case Study of Fifth District, Egypt
4311	<b>Ramadan Marne</b> and Prof. Abubakar Ismail	Flood water Harvesting Structures in Abougou dam District, Chad : Analysis and the possibility adoption to optimise water demand
4708	<b>Betty Namugenyi</b> , Dr Saber Mohammed, Prof Sameh Ahmed Kantoush and Prof Chérifa Abdelbaki	Flood risk assessment using rainfall runoff inundation( rri) model and analytical hierarchy process (ahp) method: a case study of river mpanga, uganda.
6596	<b>Soumia Manel Hachemi</b>	Hydrological study of the watershed of the El Gouassir Wadi (W. Tlemcen)
6763	<b>Nour El Houda Belazreg</b> , Mahmoud Hasbaia, Zekai Sen and Ahmed Ferhati	historical evaluation and future projection of multiple CMIP6 GCMs of precipitation and temperature: a case study of Hodna basin (Algeria)
6797	<b>Ali Berreksi</b> , Tahar Ikni, Saadia Benmamar, Samir Hamchaoui, Abbas Benzerra, Abdelhamid Bedjou and Ferhat Merah	Numerical simulation of two-dimensional supercritical flows using a predictor-corrector finite differences scheme
6883	<b>T. Bahar</b> and Boughi Hagar Abdelmadjid	Water flood modelling and forecasting: the Chari-Logone area (Lake Chad Basin, Chad)
6932	<b>Tamer Gado</b> , Mohamed Elkollaly, Abdalmonem Alkhawaga, Rufayda El-Hagrsy, Mahmoud Mohameden, Basma Shalaby, Hewida Omara and Bahaa Elboshy	Spatiotemporal Analysis of Event-Based Precipitation in Sinai, Egypt
7131	<b>Hasnaoui Yacine</b>	Mapping of flood-prone areas using GIS and remote sensing
7157	<b>Djebouai Salim</b> , Djoukbala Omar, Ferhati Ahmed and Hasbaia Mahmoud	Monthly Precipitation Gaps Filling Using Long Short-Term Memory Deep Neural Networks : Case of Soummam basin.
7212	<b>Ayanfeoluwa Oluwanifemi Akinbola</b> and Chimwemwe Nalwesya Chibuye	Flash flood mitigation measures and warning systems: From engineering to policy
7231	<b>Amel Bouzenda</b> , Fares Laouacheria, Leila Djellit and Said Kechida	Prediction of Flood-prone Areas using HEC-HMS and HEC-RAS: Case study of Oued El Kebir river catchment North-East of Algeria
7267	<b>Noura Dahri</b> and Habib Abida	Flash flood risk assessment in Gabès City using hydrodynamic model



7523	<b>Fadila Saouli</b> , Aderrezak Bouanani and Kamila Babahamed	Erosion, sediments transport and siting of Izdihar dam (Isser Wadi-Tafna Algeria)
7526	<b>Meriem Igroufa</b> , Abbas Benzerra, Ferhat Merah, Abdelhamid Bedjou and Ali Berreksi	Contribution to the development of a structural assessment support of sewerage network: case study of Bejaia, Algeria
7601	<b>Mohammed Amine Guelmane</b> , Oussama Derdous and Djamel Boutoutaou	Mapping soil erodibility potential in the Isser watershed using GIS based the RUSLE model and remote sensing
7634	<b>Hanane Saoudi</b> , Sofiane Hattab and Khaled Gassi	Flood risk mapping using gis and multi-criteria analysis. Case study: watershed of Boughezoul (Algeria)
7708	<b>Adel Bakheet</b>	Simulation of flash floods at wadi Qena using IFAS Model
7913	<b>Ladouali Sabrina</b> , Sakaa Bachir and Chaffai Hicham	Drought Index Forecasting using ARIMA Models, Hodna Basin as Case Study
8024	<b>Ghenim Omar</b> , Talia Amel and Ghenim Abderrahmane Nekkache	Flow variation and trends in the Oued Chouly watershed
8025	<b>Bouledroua Fatima Zohra</b>	Establishing trust between actors for an integrated flood risk management in Annaba
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