



RÉPUBLIQUE TUNISIENNE
MESRS

Ministère de l'Enseignement Supérieur
et de la Recherche Scientifique



◀ 10TH MAGHREBIAN CONGRESS OF APPLIED GEOPHYSICS CMGA10 ▶

📍 NOVEMBER 7-8-9, 2025 | HAMMAMET – TUNISIA

APPLIED GEOPHYSICS FOR SUSTAINABLE
DEVELOPMENT, CIRCULAR ECONOMY, AND GLOBAL
RESILIENCE IN THE AFRO-MEDITERRANEAN REGION

PRELIMINARY PROGRAM

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Friday, November 7th, 2025

Day 1 : Friday 7 November 2025	
12:00 – 14:00	Registration desk Open
14:00 – 15:00	Opening Ceremony <i>Welcome Address by Conference Chairs</i> <i>Official Opening of CMGA10</i>
15:00 – 16:00	Plenary Lectures
16:00 – 16:30	Break 
16:30 – 18:30	Plenary Lectures

Oral Presentations				
		Room 1	Room 2	Room 3
November 8 th	AM	T1: Advanced Geophysical Data Acquisition & Processing Moderators: Abir Jrad Hamoud Beldjoudi T5: Water, Energy & Sustainable Subsurface Moderators: Rihab Guellala Abdelaziz Mridekh	T2: Near-Surface Geophysics Moderators: Fetheddine Melki Leila ALIOUANE	Workshop: Geological Hydrogen & Deep Geophysics: A New Energy Paradigm for Tunisia's Subsurface Moderators: Mohamed Soussi Kais Daly
	PM	T1: Advanced Geophysical Data Acquisition & Processing Moderators: Hakim Gabtni Lamali Atmane	T3: Sustainable Resource Exploration Moderators: Mohamed Elbouhaddioui Abdelsalam Elshaafi	T5: Water, Energy & Sustainable Subsurface Moderators: Mustapha Boujamaoui Mohamed Gharbi
November 9 th	AM	T2: Near-Surface Geophysics Moderators: Mohamed Dhaoui Nasim Halal T4: Geohazards & Climate Adaptation Moderators: Lamine Hamai Mohamed Gharbi	T6 / T7: Remote Sensing, Astrogeophysics & Planetology / Smart Geoengineering Moderators: Imed Riadh Farah Mourad Koundi	T5: Water, Energy & Sustainable Subsurface Moderators: Adnen Amiri Hamza Bouabdallah

Accepted Posters	
November 8–9 (during coffee breaks)	Haykel Sellami (Tunisia) / Kawther Sebei (Tunisia) Bilal Awad (Libya) / Soraya Makhoulouf (Algeria)

Saturday, November 8th, 2025

November 8th	Room1	T1: Advanced Geophysical Data Acquisition & Processing		
		Chairs: Abir Jrad (Tunisia) / Hamoud Beldjoudi (Algeria)		
	08:30 - 08:45	Comparison of overhauser and split-beam cesium optical pumped magnetometers for drone magnetic surveys	Anna Gouirand	
	08:45 - 09:00	Application of Machine Learning for the Prediction of Petrophysical Properties from Well Logs: Case study from Hassi Messaoud Oil Field	Nemer Zoubida	
	09:00 - 09:15	2D Resistivity Inversion, Landsat-7 and 8 OLI Remote Sensing, and Major Element Hydrochemistry for Investigating a Dumpsite, Sea water intrusion, Groundwater Contamination and Climate Factors around an ancient Dam and Dump: Westcoast Douala Basin, Cameroon.	Moussa Ahmed Mbouemboue Nsangou	
	09:15 - 09:30	Integrating Gravity, Seismic, and TDEM Data for Regional Groundwater Modeling	Charrek Khaoula	
	09:30 - 09:45	Integrated Seismic Inversion and Sequence Stratigraphy for Stratigraphic Trap Delineation in the Acacus Formation, Ghadames Basin	Zrelli Amira	
	09:45 - 10:00	Application of machine learning-bias correction methods for NWP model's extreme air temperatures in Morocco	Dalal Morad	
	10:00 - 10:15	Synthetic Data-Driven Earthquake Response Spectra Prediction Using XGBoost	Harichane Zamila	
	Coffee-Break ☕			
	Room1	T5: Water, Energy & Sustainable Subsurface		
		Chairs: Rihab Guellala (Tunisia) / Abdelaziz Mridekh (Morocco)		
	10:45 – 10:30	Structural Insights from Gravity Data: Extraction and Depth Analysis of Lineaments within the Geological Context of the Paleozoic Zone of Rabat–Tiflet (Western Meseta Morocco)	Fatima Bourih (Online)	
	11:00 – 11:15	Geophysical imaging and geodynamic evolution of the complex Pliocene-Quaternary aquifer system of the MaÅ¸mora plateau (NW Morocco)	El Bouhaddioui Mohamed	
	11:15 – 11:30	Selective tectonic inversion in salt bearing basins inferred from integrated interpretation of gravity and 2D seismic data (Northeastern Tunisia)	Boussiga Haïfa	
11:30 – 11:45	Structural Framework and Fault System Evolution of the Abiod Reservoir Eastern Tunisia: Insights from Integrated Seismic and Potential-Field Data	Khouni Radhouane		
11:45 – 12:00	Integrated Geophysical Methods (Gravimetry, TDEM and seismic data) for Mapping Groundwater Aquifer Distribution in Structurally Complex Region: A Case Study of Bou Omrane - Sebkheth Ennaouel, Southern Tunisian Atlas	Ghaib Marwa		
12:00 – 12:15	Lithosphere thermal structure inferred from Curie depth estimated by Fourier Spectral Centroid method of magnetic anomalies: Implication Tectonic and Geothermal Exploration	Boujamaoui Mustapha		
12:15 – 12:30	Characterization of groundwater aquifers in the Borj El Amri Region (Northeastern Tunisia) Using an Integrated Geophysical Approach	Rabhi Takwa		

November 8th	Room1	T1: Advanced Geophysical Data Acquisition & Processing	
		Chairs: Hakim Gabtni (Tunisia) / Lamali Atmane (Algeria)	
	14:00 - 14:15	Contribution of seismic reflection to the identification of the intra-Turonian inversion in Central Eastern Tunisia	Khemiri Fares
	14:15 - 14:30	Seismic inversion and attributes benefits of the Silurian Acacus A deposition environment identification in the Ghadames Basin, southern Tunisia	Dkhaili Noomen
	14:30 - 14:45	Smarter Water Management: Machine Learning Applications in Chebika's Groundwater Study	Abdelhedi Mohamed
	14:45 - 15:00	Comparative assessment of amplitude and phase based filters for structural trend delineation in the Triassic province, Algerian Sahara	Mebarek Hacid
	15:00 - 15:15	Aquifer Characterization Using Integrated geophysical approach in Northern Mannouba plain, Tunisia	Ghofrane Omri
	15:15 - 15:30	Artificial intelligence approaches to petroleum reservoir prediction: A case study of the Birsra reservoir, Gulf of Hammamet, Northeastern Tunisia	Ferjani Amal
	15:30 - 15:45	Tectonic Evolution of the Gharb Backbulge Basin during the Neogene: Evidence from Gravity and Aeromagnetic Data	Zerouali Salma
	Coffee-Break ☕		
	16:15 - 16:30	Electro-sequence and hydrofacies characterization of the Plio-Quaternary in the northern Rharb Basin (NW Morocco): Implications for aquifer dynamics	Logbani Assia
	16:30 - 16:45	Time-to-Depth Conversion using Kriging with External Drift: A two-stage approach based on IRF-K and Generalized Covariance	Hammami Mohamed Amin
	16:45 - 17:00	Seismic and Gravity-Based Analysis of the Gantass Structure (Southern Tunisian Atlas): Stratigraphic and Structural Controls on Tectonic Inversion and Hydrocarbon Exploration	Manai Dalel
	17:15 - 17:30	Petroleum Reservoir characterization from geophysical well-logs data using artificial Intelligence	Lamali Atmane
	17:30 - 17:45	Hydrocarbon Reserves Estimation of the Sokor-1 Formation from Well Logs and 3D Seismic Interpretation, Fana Low Uplift, Termit Basin, Southeastern Niger	Abdourahmane Ibrahim Ari Maïna
17:45 - 18:00	Etude géoélectrique et cartographique de la structure subsurface de Maâmora	Ould Saltana Oumaima	

November 8th	Room2	T2: Near-Surface Geophysics	
		Chairs: Fetheddine Melki (Tunisia) / Leila Aliouane (Algeria)	
	08:30 - 08:45	Application of electrical resistivity tomography (ERT) for Assessing seawater intrusion in Eastern Mitidja, Algeria	Nemer Zoubida
	08:45 - 09:00	Structural origin of the Erroumi Lake in the Rommani-Khemisset Basin, North-Western Meseta, Morocco: Evidence from field and High-resolution Electrical Resistivity Tomography data	Ou Moua Said
	09:00 - 09:15	3D Imaging Of Rock Masses To Improve The Recognition Of Clay Soils In Geotechnical Projects In Urban And Suburban Environments "A Case Study At The Ain Tin SITE, MILA ALEGRIA	Hamlaoui Mahmoud
	09:15 - 09:30	3D Modeling of the Shallow Mio-Plio-Quaternary Aquifer in an Arid Region Using Borehole and Electrical Geophysical Data: Case Study of the Oued El Hjal Basin, Central Tunisia	Mosbahi Hazar
	09:30 - 09:45	Combination of Vertical Electrical Sounding (VES) and Electrical Resistivity Tomography (ERT) techniques for hydrogeological reconnaissance in the Ribat El-Kheir plateau, Tabular Middle Atlas, Morocco	Fatah-Allah Nouredine

09:45 - 10:00	Contribution of electrical and seismic geophysics to the geotechnical characterization of soils prior to construction projects: a tool to support urban resilience (Abidjan, Cote d'Ivoire)	Bikpo Aime Marcel
10:00 - 10:15	Electromagnetic survey to constraints ore mining exploration in the South-East of Saghro inlier (Eastern Anti-Atlas, Morocco): application of frequency electromagnetic helicopter-borne method	Aafir Zineb
Coffee-Break ☕		
10:45 - 11:00	Geophysical (ERT) Imaging of Quaternary Alluvium in Siliana, Tunisia: Identifying Shallow Saturation Pathways to Protect Building Foundations	Dhaoui Mohamed
11:00 - 11:15	ERT-based assessment of soil and groundwater contamination near the closed Ouled Fayet landfill (Algiers)	Djadja Leila
11:15 - 11:30	Estimating deep soil salinity by inversion modeling of loop-loop frequency domain electromagnetic induction data in Semi-Arid Region Merguellil (Tunisia)	Allagui Dorsaf
11:30 - 11:45	Investigating surface-groundwater interactions using geophysical methods along the Oued El Hamiz, Eastern Mitidja, Algeria	Nemer Zoubida
11:45 - 12:00	Geophysical Investigation of Karstic Limestone Using Electrical Resistivity Tomography, Benghazi plain, Libya	Bilal Awad
12:00 - 12:15	Contribution of Borehole data and vertical electric sounding to the characterization of the Oued El Kebir aquifer	Yaakoubi Sana
12:15 - 12:30		

November 8th	T3: Sustainable Resource Exploration		
	Room2	Chairs: Abdelsalam Elshaafi (Libya) / Mohamed Elbouhaddioui (Morocco)	
	14:00 - 14:15	New Structural Insights and Mineralization Controls in the Sirwa Inlier, Central Anti-Atlas (Morocco) using airborne magnetic data	Tazi Mohammed Jalal
	14:15 - 14:30	Geophysical insights into the Cenozoic and Quaternary aquifers of the Mornag Plain: An integrated approach	Ouerfelli Mouna
	14:30 - 14:45	Ground Geophysical Survey of the Circular Anomaly of Dapelogo (BURKINA FASO)	Zagre Palale Sama
	14:45 - 15:00	Evidence of a T-shaped intrusive system and its mining implications in the Tifraouine caldera (NW Algeria), from ground-based integrated magnetic and gravity modeling	Sahraoui Hassiba
	15:00 - 15:15	Re-evaluation of the internal structure of the Ouled H'Daïm Triassic (Western Biban, Algeria) using Electrical Resistivity Tomography (ERT)	Hallal Nassim
	15:15 - 15:30	Comparison Gravity - Seismic: Impact on three-dimensional distribution of subsurface structures. Case of Cap Bon area - Tunisia	Abidi Oussama
	15:30 - 15:45	Geophysical Constraints on Basement Geometry Beneath the Southern Atlas Front, Tunisia: Insights from Gravity, Seismic Reflection, and Earthquake Studies	Frifita Nesrine
	Coffee-Break ☕		
	16:15 - 16:30	Aerogravity and Mineral Potential of the Tindouf Basin (SW Algeria)	Bersi Mohand
	16:30 - 16:45	Joint hydro-geophysical and structural assessment of active deformation in an Alpine orogenic hydraulic earth fill dam	Hamai Lamine
	16:45 - 17:00	What geological and geophysical evidence supports the interpretation of Jebel Es Sekkak as a diapiric structure within Northern Tunisia?	Gharbi Mohamed
	17:15 - 17:30	Aptian-Cenomanian reef growth and geodynamic control: insights from offshore eastern Tunisia	Ben Brahim Ghada
	17:30 - 17:45	Aeromagnetic Interpretation for Structural and Lithological Mapping in the Ghazaouet Region (Northwestern Algeria)	Samir Oughou
	17:45 - 18:00	Open Discussion	

November 8th	Room3	Workshop: Geological Hydrogen & Deep Geophysics: A New Energy Paradigm for Tunisia's Subsurface		
		Chairs: Mohamed Soussi (Tunisia) / Kais Daly (Tunisia)		
	08:30 – 09:00	Accueil des participants		
	09:00 - 09:15	Introduction & Mot d'ouverture		Prof. Gabtni. Hakim
	09:15 – 09:45	Talk 1 : Geological Hydrogen in Tunisia: Crustal Structure, Deep Geophysics/Geology and Potential Prospective Zones		Prof. Hakim Gabtni's
	10:00 - 10:15	Talk 2 :Deep Geology and Geological Hydrogen Prospectivity in Northern Tunisia		Lamouchi Ichraf
	Coffee-Break ☕			
	10:45 - 11:15	Talk 3 :Understanding the Deep Geology of Central Tunisia: Deep Fault Systems and Geological Hydrogen Potential		Meftahi Cherifa
	11:15 - 11:30	Talk 4 :Gravity, Aeromagnetic and Heat Flow Constraints on Southern Tunisia's Deep Geology: Preliminary Investigation of Natural Hydrogen Potential		Belhassen Ranim
	11:45 - 12:15	Discussion plénière : Perspectives pour la prospection H ₂ naturel en Tunisie		Modérateurs : Pr. Mohamed SOUSSI & Ing. Kais DALY
12:15 - 12:30	Clôture et recommandations scientifiques			

November 8th	Room3	T5: Water, Energy & Sustainable Subsurface		
		Chairs: Mohamed Gharbi (Tunisia) / Mustapha Boujamaoui (Morocco)		
	14:00 - 14:15	Deep Structures identification in Center Tunisia based on Seismic analysis and Gravity inversion		Houatmia Faten
	14:15 - 14:30	Determination of Major Fault Orientations and Subsurface Structures in the Dakhla Basin (Northeastern Tunisia) Using Geophysical and Field Data		Dhouioui Sabra
	14:30 - 14:45	Contribution of vertical electrical soundings to the hydrogeological study of the Saouaf-Djebibina plain (Northeastern Tunisia)		Hdhili Amal
	14:45 - 15:00	Hydrogeological and Hydrogeophysical Study of the Balaoum–Kalâa Kbira Aquifer System		Abouda Wafa
	15:00 - 15:15	Integrated Gravity and Structural Study of the Abiod Carbonate Aquifer, Mateur-Hedil Region, Northern Tunisia		Elgattoussi Sourour
	15:15 - 15:30	Quantification of Uranium and Thorium in Oum Er-Rabia River Water Using Alpha Track Detection Method		Oufni Lhoucine
	15:30 - 15:45	Geophysical Investigation Study of the Relationship of Regueb - Sfax Aquifer Systems in the Tunisian Sahel		Babou Mohamed Lemine
	Coffee-Break ☕			
	16:15 - 16:30	Aeromagnetic Contributions to Structural and Mineral Exploration in the Middle Atlas (Morocco): A Bibliometric and Interpretative Study		Ait Haddou Hanane
	16:30 - 16:45	Uncertainties of electrical prospecting in estimating the thickness of geological layers. Application to the alluvial plain of Nil wadi (NE Algeria)		Debieche Taha-Hocine
	16:45 - 17:00	Modélisation des besoins en eau d'irrigation dans la Mitidja (Algérie) à partir des données climatiques CMIP6		Khadidja Gherbi
17:15 - 17:30	Definition and characterization of Triassic and Jurassic water reservoirs in southern Tunisia using well logs.		Makhlouf Ibtissem	

	17:30 - 17:45	Hydrogeophysical assessment of the El Fahs Graben (Northern Tunisia) Using Vertical Electrical Sounding and 2D geophysical imaging	Ferhani Manel
	17:45 - 18:00	Combining Gravity and seismic reflection to explore Deep Groundwater resources in the Grombalia Graben, Northeastern Tunisia	Ben Chouchene Ameni

Sunday, November 9th, 2025

November 9th	Room1	T2: Near-Surface Geophysics	
		Chairs: Mohamed Dhaoui (Tunisia) / Nasim Halal (Algeria)	
	08:30 - 08:45	Agrogeophysics for Sustainable Agriculture: ERT-Based Characterization of Soils Irrigated with Treated Wastewater in Semi-Arid Tunisia	Azaiez Hajer
	08:45 - 09:00	Integrated geophysical and hydrogeological assessment of spatiotemporal gravitational instabilities in a North-Algerian Alpine hydraulic structure	Lamali Atmane
	09:00 - 09:15	Geophysical study using electrical resistivity tomography of the northern area of Ouarzazate city (South-east of Morocco).	Elachgar Hamid
	09:15 - 09:30	Geophysical mapping of serravallian–tortonian sandstone bars and clay formations in the Kamech basin	Hamrouni Mohamed
	09:30 - 09:45	Increase of Soil Resistivity due to the presence of tree roots: A case study from Algiers city, Algeria	Boubaya Djamel
	09:45 - 10:00		
	Coffee-Break ☕		
	Room1	T4: Geohazards & Climate Adaptation	
		Chairs: Mohamed Gharbi (Tunisia) / Lamine Hammai (Algeria)	
	10:30 - 10:45	Tracing Induced Seismicity in Northwestern Algeria through Historical Journalistic Sources (Late 19th–Early 20th Century)	Kherchouche Radia
	10:45 - 11:00	Assessing Seismicity Patterns in the Ibero-Maghreb Region: Insights from Recent Seismicity	Mobarki Mourad
	11:00 - 11:15	Gravity movements in Mahelma municipality, Algiers: Insights from geophysical and geotechnical data integration into slope instability	Hallal Nassim
	11:15 - 11:30	Multi-thematic cartographic analysis of seismic risk in the Agadir Ida Outanane region (Morocco): A GIS approach and field validation	Toubali Hiba
	11:30 - 11:45	Probabilistic Seismic Hazard of Bejaia, Algeria: Fault-Based Assessment Using the Characteristic Earthquake Model	Belalem Fouzi
11:45 - 12:00	Seismicity and active stress field of the Hatay Triple Junction, from the inversion of earthquake focal mechanisms	Harzali Makrem	

November 9th	Room2	T6 / T7: Remote sensing, Astrogeophysics & Planetology / Smart Geoengineering	
		Chairs: Imed Riadh Farah (Tunisia) / Mourad El Koundi (Tunisia)	
	08:30 - 08:45	Deep Learning-Based Denoising of Seismic Traces Using U-Net and Synchrosqueezed Time-Frequency Analysis	Amoura Saliha
	08:45 - 09:00	Geospatial Analysis of Forest Fragmentation and Land Cover Transformation in the Maâmora Forest	Ghouldan Abderrahym
	09:00 - 09:15	Enhanced Flotation Froth Segmentation Using Attention U-Net : A Comparison with the Classic U-Net	Saraji Widad
	09:15 - 09:30	A Gradient Boosting Machine Approach for Predicting Peak Particle Velocity in Mine Blasting	Bouhannache Mohammed
	09:30 - 09:45	Forecasting Water Quality Index in Semi-Arid Afro-Mediterranean Catchments Using Deep Learning under Limited Data	Troudi Nizar
	09:45 - 10:00	Geophysical signatures of the Tamazert igneous complex: insights from integrating airborne magnetic and radiometric data	Azmi Mohamed
	10:00 - 10:15	Applications of artificial intelligence to assess water status in plants for agricultural precision	Mabrouki Jamal
	Coffee-Break ☕		
	10:45 - 11:00	Monitoring Drought Over Time Using Satellite Data: Application of the Standardized Precipitation Evapotranspiration Index (SPEI) in Morocco	Hammou Ali Fatima Zahra
	11:00 - 11:15	From Pixels to Possibilities: Sustainable Remote Sensing for Resilient Futures in the Afro-Mediterranean Regions	Kamosho Aune
	11:15 - 11:30	Structural Mapping of the Beja Region (NW Tunisia) Using Gravity and Remote Sensing Data	Balti Hadhemi
11:30 - 11:45	Mapping Amplified Strong Motion in Algiers City	Talbi Abdelhak	

November 9th	Room3	T5: Water, Energy & Sustainable Subsurface	
		Chairs: Adnen Amiri (Tunisia) / Hamza Bouabdallah (Algeria)	
	08:30 - 08:45	Integrating Geophysical and Numerical Modelling Approaches to Assess Dam Leakage Contributions to Groundwater Recharge in a Semi-Arid Mediterranean Basin under Climate Change	Neji Mohamed
	08:45 - 09:00	Structural and Subsurface Investigation of the Monastir-Mahdia Region Using Gravity and Seismic Reflection Profile : Prospecting for Potential Deep Aquifer	Sofien Yahyaoui
	09:00 - 09:15	Petrophysical characterization of the Turonian Carbonate Reservoir (Bireno member) in the Gulf of Gabes, Offshore Tunisia	Mahmoudi Houda
	09:15 - 09:30	Vertical and Lateral reservoir variability of the Ketatna, Ain Ghrab and Birsia formations in an X concession in the Gulf of Hammamet, Northeastern Tunisia	Jemai Abir
	09:30 - 09:45	Subsurface Characterization through Geophysical Inversion: Hydrogeological Implications in the Siliana Area, Northwest Tunisia	Benassi Ramdhane
	09:45 - 10:00	3D constrained electrical inversion for subsurface imaging in mining exploration: case study from northern Tunisia	Amiri Adnen
	10:00 - 10:15	Seismic-electrical sequential characterization of Miocene reservoirs in the Rharb Basin (NW Morocco).	Bouri Ahlam
	Coffee-Break ☕		
	10:45 - 11:00		

	11:00 - 11:15		
	11:15 - 11:30		
	11:30 - 11:45		
	11:45 - 12:00		

Poster Session: November 8–9, 2025 (during coffee breaks)

ID	Accepted Posters	
	Chairs: Haykel Sellami (Tunisia) / Kawther Sebei (Tunisia) Bilal Awad (Libya) / Soraya Makhoulf (Algeria)	
91	Advanced gravity surveys for geothermal prospection in northeastern Tunisian geothermal reservoir	Ghouili Nesrine
108-b	Analysis of relationship between rainfall , and WeMoi climate index using the wavelet method: the case of Wadi Sebdu, northwestern Algeria	Timi Khadidja
27	Combined methods for interpreting the geometric components of the Essaâda aquifer system in Central Tunisia using electromagnetic and geoelectric data	Issaoui Wissal
28	Comparative Geoelectrical Synthetic Forward Model vs Robust Inversed Model for Geotechnical Management and Subsurface Evaluation	Ayari Sana
30	Deformation Kinematics in the Collo Region (Skikda, Northeastern Algeria): Structural Analysis, Geological Mapping, and Remote Sensing	Seffari Abderraouf
42	Earthquake-Induced Submarine Gravity Instabilities in the Kramis Sedimentary Ridge, Central Western Algerian Margin	Lamali Atmane
34	Fold-fault structures of the Mila basin: Insights from ERT on the Grarem Gouga landslide (NE Algeria) triggered in an aftershock context	Aniss Mazari
73	Geohazard investigation in urban phosphate mining areas: Case study of Redeyef city	Mahmoudi Ines
83	Geophysical and isotopic assessment of groundwater recharge induced by Lebna Dam in the Korba region (NE Tunisia)	Lachaal Fethi
111	Gravity Data Analysis and Seismic Reflection Imaging for Prospecting surface and subsurface structure in the Mateur-Tebourba Region (Northern Tunisia)	Sofien Yahyaoui
38	Ground Penetrating Radar Applications for Extractive Industries	Sunjay Sunjay
164	Hybrid Porous Beads based on a Modified Algerian Clay: Application to the Elimination of Humic Acids in Aqueous Media	Chabane Leila
71	Hydrogeological Conceptualization of a Coastal Aquifer Using Integrated Geophysical methods and Piezometric monitoring: A Case Study of the El Haouaria Plain (Cap Bon, Tunisia)	Benzid Ghassen
40	Hydrogeological perspective of the Mitidja Basin's deep structure based on magnetotelluric imaging	Kerbadj Naïla
88	Hydrogeological, Hydrochemical, and Geophysical Assessment of Groundwater Degradation in an Arid Region: Bled Guettaya-Dbine Aquifer (southern Tunisia)	Ltifi Dalanda
97	Hydrogeophysical Investigation for Eocene Aquifer Exploration in Lansarine (Northern Tunisia): Implications for Drinking Water Supply and Local Socio-Economic Development	Slama Montaha
107	Improving Magnetotelluric Data Quality: A Wavelet-Based Approach to Detect and Mitigate Anthropogenic Disturbances: First Results	Kasdi Ahmed Seddik
57	Integrated Near-Surface Geophysics and Geotechnics for Assessing Siltation Impact and Structural Stability of the El Kebir Dam, NE Tunisia	Marzougui Abir
43	Integrated use of active and passive seismic techniques for subsurface characterisation in Fuente Vaqueros, Granada Basin (Spain).	Delimi Khadidja
121	Intelligent solutions for sustainable biomass production from microalgae	El Moustaqim Khadija
153	Legacy Pollution from Phosphogypsum Wastes: Geophysical and Geochemical Insights from the Gulf of Gabes, Tunisia.	Jrad Abir

November 8th

46	Magnetic gradiometry with GPR and ERT support reveals unsuspected buried remains at the Roman site of Eastern Tipaza (Algeria)	Chatti Zoubir
58	Monitoring of induced seismicity during an unconventional reservoir stimulation by hydraulic fracturing.	Bersi Essaidh
84	New Insights from Gravity Data on the Structural Setting of Northern Tunisia, Case Study of the Saline Area-Implication for mineral exploration	Hamdi Imen
51	Pre-Construction Geophysical Assessment Using MASW and ERT for Detection of Cavities and Weak Zones: A Case Study	Zidi Mohamed Khalil
12	Remote Sensing Analysis of Vegetation and Surface Water Dynamics under Drought Conditions in Cap Bon, Northeastern Tunisia	Malek Drissi
110	Stratigraphy and Hydrogeological Insights for Sustainable Groundwater Management in Tunisia	Amri Ahlem
21-b	Structural characterization of the Hammam Righa hydrothermal system (Algeria) using 3D inversion of electrical resistivity tomography data	Hocine Amina
55	Structural imaging of the MaÅçdna magnetic anomaly (Talemzane, Algeria) using seismic refraction and Hilbert-transform analysis of GPR data	Nadjemi Abdelmadjid
66	The Chegarnia- Sidi Abiche hydrogeological system: Findings from integrated geophysical investigations.	Zouaidi Maissa
165	Towards Hydrophobic and Organophylic Clay Sorbents: Competitive Sorption of some BTEX	Bouras Omar
109	Transport des eaux et des sédiments dans le bassin versant de l'oued Isser (Nord-Ouest de l'Algérie- Tlemcen)	Saouli Fadila
129	La crise sismique du haut atlas marocain déclenchée par le séisme majeur du 8 septembre 2023	Jabour Nacer
147	Auscultation of an Alluvial Aquifer by Electric Tomography at a Synthetic Experimental Scale and a Scale of a Citrus Orchard (Northeastern Tunisia, Mediterranean Basin)	Kortas Oussama
130	Paleomagnetic Evidence of Tectonic Rotations in Northwestern Algeria	Benhenni Leila
176	Feasibility of Active and Passive Seismic Methods to Study Soil Moisture Variability in an Urban Environment	Riahi Olfa
143	Integrating Diagraphy and Restored Lithological Cross-Sections to Assess the Mobility and Retention of Emerging Contaminants in the Grombalia Aquifer, Northeastern Tunisia	Khizami Farah
160	Integrated geophysical and geochemical methods for investigating groundwater contamination in the Saheb Jbal – El Haouaria Plain (Northeastern Tunisia)	Melki Samira