



Final Program of ICRCEES'25



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The First International Conference on Recent Challenges in
Civil Engineering and Environmental Sustainability "ICRCCEES'25"

December 10-11, 2025, Djelfa, Algeria



Participations List

ID	Paper Title	Author	affiliation	Co-Authors
ID 8	Exploring Nonlinear Seismic Response In High-Performance Reinforced Concrete Structures	Salah Guettala	University of Biskra	Salim Guettala, Akram Khelaifia, Nesreddine Djafar-Henni
ID 9	Active Vibration Control: Comparative Evaluation Of Control Algorithms For Seismic Excitations	Abdelaziz Ghezal	University of Djelfa	Bachir Nail, Salaheddine Harzallah
ID 12	Synergistic Impact Of Solar Energy-Based Steam-Curing Technology And Dune Sand Powder On Concrete Qualities	Naas Allout	University of Djelfa	Taha-Hocine Douara, Guettala Salim
ID 13	Free Vibration Of A Composite Sandwich Plate	Kralifa Abderrahim Souffiane	University of Tiaret	Adim Belkacem, Tahar Hassaine Daouadji, Mohamed Zidour, Tayeb Bensatallah
ID 15	Modeling Of Interfacial Stresses In A Wooden Beam-Lightweight Concrete Slab Strengthened With Externally Bonded Gfrp Plates	Belkacem Elhocine Touhami	University of Tiaret	Tahar Hassaine Daouadji, Tayeb Bensatallah, Mohamed Zidour
ID 16	Designing And Evaluating The Properties Of High-Performance Ecological Concrete With Blast Furnace Slag And Marble Powder	Belkacem Edeb	University of Biskra	Naas Allout, Salah Guettala, Taha-Hocine Douara, Guettala Salim
ID 18	Etude Numérique Et Paramétriques De L'essai Pressiométrique Au Voisinage D'un Talus	Ouabel Houari	University of Tissemsilt	
ID 22	Fiber-Based Macro-Modeling Of Rc Frames With Masonry Infill Walls Using Etabs	Salah Guettala	University of Biskra	Salim Guettala, Akram Khelaifia, Soufiane Benounas
ID 27	Enhancing Urban Resilience Through Permeable Infrastructure: A Gis-Based Flood Hazard Assessment In The Semi-Arid City Of Djelfa, Algeria	Ahmed Wail Daifallah	University of Djelfa	Boudjemaa Sehl, Ammar Benkhelif, Atif Foufou, Abdallah Yacine Rahmani
ID 28	Enhancement Of The Rheological Efficiency Of Hot-Climature-Resilient Self Compacting Sand Concrete	Faical Nebri	University of Djelfa	Brahim Necira , Salim Guettala, Manal Khreisat
ID 29	Eco-Self-Compacting Sand Concrete: Efficiency Statistical Optimization Via Limestone Filler Content And Fineness	Manal Khreisat	University of Djelfa	Brahim Nécira, Salim Guettala, Faical Nebri
ID 33	Numerical And Theoretical Study Of Hydrogeotechnical Behavior In Submerged Rectangular Weirs	Bachir Mebarki	University of Jijel	Lazhar Hariche
ID 34	Characterization Of Mechanical And Physical Properties Of Sand Concrete With Marble And Granite Waste Additions	Koudri Messaoud	University of Laghouat	Khadra Bendjillali, Bouziani Tayeb
ID 37	Applications Of Composite Materials In Thermally Insulating Walls	Mohamed Latrache	University of M'sila	Mourad Chaalane
ID 38	Effect Of Plastic Waste-Based Self-Compacting Concrete On Mechanical Behavior And Durability	Dahamni Aissa	ENP d'Oran Maurice Audin	Kada Ayed
ID 39	Interfacial Stresses In Steel Beams Strengthened By Prestressed Composite Plate: Application For Continuous Steel Beams	Hassaine Daouadji Maya	University of Tiaret	Hassaine Daouadji Tahar, Bensatallah Tayeb, Rebahi Abderazak
ID 40	Cone Penetration Tests (Cptu) Based Soil Behavior Type Classification Of Clayey Deposit	Djamila Bouayad	Bejaia University	
ID 41	Impact Of Metallic Fibers On The Behavior Of Sand Concrete: Experimental And Numerical Approach	Benamara Dalila	University of Djelfa	Kheira Camellia Nehar, Gushgari Y Sharif
ID 43	Towards Sustainable Concrete: Understanding Cracking Mechanisms Induced By Recycled Aggregates	Kheira Camellia Nehar	University of Djelfa	Dalila Benamara, Sharif Y Gushgari
ID 46	Automated Optimization Of Shear Wall Design Under The New Rpa2024 Provisions	Abdellatif Hannachi	ENP d'Alger	Nouredine Bourahla
ID 47	Assessment Of Mechanical Performance Of Asphalt Mixes Using Aggregates From Bab Mesoud And Oued Sdar	Alleug Mohamed Djelal Eddine	University of Djelfa	Azzouzi Boulanour, Bencheikh Boubaker
ID 49	Evaluation Of Limestone Tuff Quarries In Djelfa (Algeria): From Regional Mapping To Understanding The Impact Of Calcium Carbonate On Performance	Azzouzi Boulanour	University of Djelfa	Bencheikh Boubaker
ID 50	Finite Element Study Of The Behavior Of A Reduced Pile Model Subjected To Cyclic Axial Loading	Zeggar Imane	University of Djelfa	Bencheikh Boubaker

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ID	Paper Title	Author	affiliation	Co-Authors
ID 56	The Effect Of Natural Pozzolan On The Rheological And Compressive Strength Properties Of Recycled Self-Compacting Mortar	Omar Kouider Djelloul	University of Khemis-Miliana	Touhami Tahenni
ID 57	Improvement Of Clayey Soils By Sand Incorporation : A Case Study From The Manaa Region, Batna (Algeria)	Hizia Bekhouche	University of Batna 2	Ouassila Bahloul, Lekouara Laid, Safa Hamza
ID 58	Use Of Recycled Marble Dust For Reinforcing Collapsible Soils: An Applied Study In The Messaad Region, Algeria	Mohamed Dacher	University of Batna 2	Samir Benmoussa, Ouassila Bahloul
ID 59	Flow-Driven Fracture Propagation In Concrete Gravity Dams: Coupled Hydraulic And Soil-Structure Interaction Under Seismic Loading	Mohammed Ibrahim Bessaid	University of Tlemcen	Mohammed Matallah, Ahmed Belbachir, Abdelsemi Taibi
ID 61	Modification Of Bituminous Concrete Using Plastic Waste (Skai)	Messaoud Eddine	University of Bechar	Merbouh M'Hammed
ID 62	The Effect Of Dune Sand On The Water Retention Of Limestone Mortar Treated With 5% Of Sbr Latex.	Marouane Amrane	University of Laghouat	Makhloufi, Zoubir, Omrane, Mohammed
ID 63	Stabilization Of Expansive Soil Using Lime And Sawdust: Effect On Geotechnical Properties And California Bearing Ratio (Cbr)	Oumrich Kamel	University of Souk-Ahras	Djouimaa Sarah, Nadour Fethi, Djouaibia Mohamed
ID 65	Seismic Vulnerability Assessment Of Box Girder Bridges Using Fragility Curves: A Case Study In Algeria	Soumia Aouissi	University of Djelfa	Mouloud Ouanani, Khaled Sandjak, Amar Louzai
ID 66	Impact Of The Combination Of Industrial Waste-Based Fillers On The Physico Mechanical Properties Of Desert Sand Concrete	Mohamed Merniz	University of Laghouat	Madani Bederina, Abdelaziz Meddah
ID 70	Mechanical Behavior Of Self-Compacting Mortars Based On Mixed Sand And Ternary Binders	Lebbaz El.Ala	University of Laghouat	Djoudi Amina, Boukhekkhal Aboubaker
ID 71	Experimental Investigation Of The Ultrasonic Pulse Velocity Of Lightweight Mortar Including Expanded Clay At Elevation Temperature	Mohamed Sadak Merrakchi	University of Medea	Smain Benyamina, Yacine Abadou
ID 72	Influence Of Initial Steam Curing Using Solar Energy And Addition Of Blast Furnace Slag/Glass Powder On Mechanical Properties And Durability Of Concrete.	Mohamed Imad Eddine Kadri	University of Djelfa	Naas Allout, Said Koriga, Salim Guettala, Taha Hocine Douara
ID 76	Static Analysis Of Fgm Porous Plates Resting On Elastic Foundations	ZAGAAR Yamina	University of Tiaret	Tlidji Youcef, Benferhat Rabia, Serbah Boumediene, Draiche Kada, Hassaine Daouadji Tahar
ID 79	Effect Of Glass Grain Morphology On The Hydraulic Behavior Of Unbound Granular Pavement Layers	Doukani Abderrahmane	University of Djelfa	Hadj Bekki, Lazhar Hariche, Abdelhafid Mestour, Younes Taibi
ID 81	Assessment Of The Seismic Overpressure In Hopper Silos	Mohamed Kechachni	University of Bechar	
ID 83	Workability And Compressive Strength Of Self-Compacting Mortar Containing Recycled Sand From Brick Waste.	Mohamed Chakib Kherrabi	University of Blida 1	Mohammed Si-Ahmed, Amar Benyahia
ID 84	Modeling The Behavior Of Soil-Structure Interfaces Under Cyclic Loading	Hamza Bouhali	University of Djelfa	Boubaker Bencheikh
ID 85	Prediction Of Swelling In Clay Soils Of Batna By Empirical Methods	Hamza Safa	University of Batna 2	Ouassila Bahloul, Hizia Bekhouche, Laid Lekouara
ID 86	Prediction Of Volumetric Evolution In Silica Fume-Modified Cement Pastes Using Hydrcem And Powers Models	Tarek Hadji	University of Djelfa	Ahmed Attia, Anfal Djamed
ID 87	Combined Effects Of Silica Fume And Crushed Limestone Sand On The Rheological Properties And Mechanical Strength Of Cement Mortars	Tarek Hadji	University of Djelfa	Ahmed Attia, Anfal Djamed
ID 88	Influence Of Sand Type On The Physico-Mechanical Properties And Durability Of Self-Compacting Concrete	DIF Fodil	University of Djelfa	BOUKHALKHAL Said Hicham ; DOUARA Taha Hocine
ID 89	Urban Solid Waste Management In Algeria: Feasibility Analysis Of Selecting A Technical Landfill Site In The City Of Charef, Djelfa Province	Chinoune Saad	University of Djelfa	

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ID	Paper Title	Author	affiliation	Co-Authors
ID 90	Blast Loading Response Of Shield Tunnel With Double-Layer Lining	Rida Bensailaa	University of Biskra	Mohamed Nadir Amrane, Abderrahim Achouri
ID 91	Sustainable Concrete «Incorporation Of Recycled Powder From Construction And Demolition Waste »	Oussama Douidi	University of Bechar	Tafraoui Ahmed, Makani Abdelkadir
ID 94	Contribution To Improving Road Safety In The Province Of Djelfa	Hamza Dif	University of Djelfa	Kheira Zeroug, Nour Elhouda Gourari
ID 100	Study Of Nonlinear Seismic Response : A Case Study Of The Dar El Beida Site In Algiers	Mohamed Khiatine	University of Medea	Amal Medjnoun, Ramdane Bahar
ID 102	Characterization Of Clay Swelling In Medea And Mitigation Solution Reducing The Swelling Effect	Mohamed Khiatine	(USTHB) and University of Medea	Amal Medjnoun, Ramdane Bahar
ID 104	Numerical And Geotechnical Modeling Of Tunnel Behavior In Complex Rock Masses: Application To The Djelfa Electric Railway Link	Nour Rahouadja Kerbati	University of Djelfa	
ID 105	The Effect Of Reinforcement On The Uniaxial Compression Behavior Of Gfrc-Confined Columns	Tawfiq ZEKHMI	University of Batna 2	Yahiaoui Djarir, Saadi Mohamed
ID 106	Evaluating The Physical, Mechanical, And Fresh Properties Of Self-Compacting Concrete With Sustainable Sand Substitutes	Rachid Rabehi	USTHB University	Fergani Souhila, Abbache Ali, Berkak Hichem, Zaouai Said
ID 107	Enhancement Of Compressed Earth Bricks Performance Through Alfa Fiber Integration And Cement Ratio Optimization For Sustainable Construction Applications	Rachid Rabehi	USTHB University	Zaouai Said, Rabehi Mohamed And Benmeriou Farid
ID 110	Deep Learning Techniques For Structural Damage Detection And Assessment	Djeddaoui Naas	University of Djelfa	Mohamed Nassim Maid
ID 111	Ai-Driven Methods For Sustainable And Smart Civil Engineering Systems	Djeddaoui Naas	University of Djelfa	Mohamed Nassim Maid
ID 113	Enhancing Progressive Collapse Performance Of Steel Moment-Resisting Frames Through Roof-Truss	Rabia Zahra Zeggar	USTHB University	Abd Nacer Touati Ihaddoudéne
ID 116	Effect Of Ground Glass Powder Incorporation On The Rheological Properties And Durability Of Self-Compacting Mortars	Moulay Driss Berkani	University of Laghouat	Benchara Benabed, Omar Taleb
ID 117	Effet De L'activation Thermique De La Bentonite Comme Ajout Sur Les Propriétés Physiques Et Mécaniques Du Mortier Autoplaçant	Moulay Driss Berkani	University of Laghouat	Benchara Benabed, Omar Taleb
ID 118	Assessment Of Pavement Differential Settlement Due To Expansion Under Traffic Loading	Hadef Djallal	University of Batna 2	Mansouri Tarek, Mazouz Badis, Dacher Mohamed
ID 120	Numerical Investigation Of Vertical Deformation In L-Shaped Reinforced Concrete Elements	Ghoul Sahraoui	USTHB University	Ali Ahmed-Chaouch
ID 121	Plaster-Based Lightweight Mortars With Expanded Perlite For Sustainable Energy Efficiency	Hamza Laoubi	University of M'sila	Abdelaziz Meddah, Madani Bederina
ID 122	Fresh And Hardened Properties Of Cement Mortars Incorporating Slag And Brick Powder: A Comparative Assessment	Abdelatif Mebarki	University of Laghouat	Safidinne Salim, Hamza Soualhi
ID 124	Dynamic Response Of Reinforced Concrete Caisson Foundation	Bounequet Soumis	University of Jijel	Bounequet Soumis
ID 128	Machine Learning Techniques To Estimate The Strength Value Of Clayey-Silty Soil From Algerian Highlands	Billel Bouguedra	University of Djelfa	Khaled Sandjak, Mouloud Ouanani
ID 129	Effect Of Embedment Ratio On The Bearing Capacity Factor N_y' For 2d Models Of Embedded Footings	Insaf Saifi	NMISSI Laboratory, University of Biskra	Mounia Belkacem, Sadok Benmebarek, Naima Benmebarek
ID 132	Deflection-Based Structural Evaluation Of Rn40 National Road: A Case Study	Lakhdari Mohad Seghr	University of Djelfa	Attia Bachiri
ID 133	Analysis Of Slip And Shear Interface Stresses In A Steel-Concrete Composite Beam Reinforced With A Cfrp Plate	Hayet Boumediene	University of Tiaret	Tahar Hassaine Daouadji, Tayeb Bensatallah, Mohamed Zidour

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ID	Paper Title	Author	affiliation	Co-Authors
ID 134	Investigation On The Resistances Of Concrete And Reinforcement Rebars Recommended By The Algerian Seismic Regulation	Abdallah Yacine Rahmani	University of Djelfa	Mostefa Hani, Tarek Hadji
ID 135	Stability Analysis Of Kreirech Dam Under Rapid Drawdown	Loualbia Hamza	University of Djelfa	Hicham Charrak, Youcef Kismoune
ID 136	Influence Of Mesh Size And Element Type On The Structural Response Of A Reinforced Concrete Beam Under Loading: A Comparative Study	Benmelouka Abdelkader	University of Djelfa	Hariche Lazhar
ID 137	Influence Of Steam Curing By Solar Energy On The Physico-Mechanical Properties And Durability Of Precast Concretes Containing Different Mineral Additions	Mohamed Nassim Maidi	University of Djelfa	Naas Djeddaoui, Taha Hocine Douara, Salim Guetala
ID 139	Experimental Investigation Of The Effect Of Glass Powder Incorporation On The Mechanical Properties Of Concrete	Boucheneb Yassine	University of Tizi-Ouzou	Rachid Mehaddene
ID 140	Rheological And Workability Assessment Of Eco-Friendly Mortars With Two Types Of Superplasticizers (Peper)	Hadja Dada	University of Laghouat	Akram Salah-Eddine Belaidi, Hamza Soualhi, El-Hadj Kadri
ID 141	Modeling The Properties Of Self-Compacting Concrete Incorporating Waste Powders: Application Of Mixture Design And Multi-Response Anova	Ahmed Ragaa	University of Setif 1	Kamel Hebbache , Cherif Belebchouche, Abdullah Douadi
ID 142	Targeted Bibliometric Analysis Of Co2 Reduction In Concrete Using Dune Sand And Supplementary Cementitious Materials	Ratiba Guidoume	University of Ouargla	Hachem Chaib, Lokmane Abdeldjouad
ID 143	Modélisation Du Comportement Elastique Des Sols Argileux Renforcés Par Des Fibres De Caoutchouc Recyclé	Melik Bekhiti	University of Djelfa	Abdelhalim Bensaada, Ali Smaida
ID 144	Ground Granulated Blast Furnace Slag (Ggbfs) In Cementitious Systems:A Review.	Anfal Djamed	University of Djelfa	Hadji Tarek
ID 145	Modeling Of Curved Structures Using The Strain-Based Approach	Hamida Sekkour	University of Djelfa	Lamine Belounar, Tounsia Boudina
ID 146	Utilisation De Poudres De Caoutchouc Et De Sable De Dune Pour Stabiliser Un Sol Argileux : Approche Expérimentale Et Statistique	Choungache Belgacem	University of Djelfa	Bensaada Abdelhalim, Zaitri Rebih
ID 147	Effect Of The Dilation Angle On Flexural Behavior In Reinforced Concrete Beams	Benmelouka Abdelkader	University of Djelfa	Hariche Lazhar
ID 148	Mechanical Characterisation Of Cementitious Mortar Based On Binary Sand (Limestone And Dune) Used As A Protection Against Hcl Attack.	Chahta Abderrahim	University of Laghouat	Merah Ahmed, Boucedra Aissa
ID 150	Cyclic Shear Behavior And Strength Modeling Of Reinforced Concrete Short Coupling Beams	Ahmed Belbachir	University of Tlemcen	Mohammed Matallah, Moahmmmed Ibrahim Bessaid, Abdelsemi Taibi
ID 151	Combined Effect Of Recycled Marble Aggregates And Natural Pozzolana Powder On The Mechanical Performance Of Pavement Concrete	Lebbaz El.Ala	University of Laghouat	Aboubakeur Boukhelkhal, Elala Lebbaz, Dhiyaeddine Bouakaz, Safaa Habchi, Ali Matallah
ID 152	Buckling Analysis Of Advanced Composite Plates Via A 2d Integral Shear Deformation Theory	Abderahman Younsi	University of Medea	Djaloul Zarga, Abdallah Yacine Rahmani, Abdelhalim Bensaada
ID 153	A Simple Trigonometric Higher Order Shear Deformation Theory For Static Analysis Of Functionally Graded Plate	Abderahman Younsi	University of Medea	Abdallah Yacine Rahmani, Abdelhalim Bensaada, Djaloul Zarga
ID 155	3d Numerical Investigation Of Natm Tunnel Excavation: Behaviour, Stability, And Support Design	SARRA AZZOZ	University of (USTHB)	Mustapha Akchcihe, Daniel Dias
ID 156	Hybrid Structural Systems For Sustainable And Resilient Structure	BOUDINA Tounsia	University of Bejaia	Bounouni Sofiane
ID 157	Toward A New Generation Of Thin Structures : Ai-Driven Advances In Thin Shells And Membranes	BOUNOUNI Sofiane	University of Bejaia	Boudina Tounsia
ID 200	L'utilisation Des Géo-Synthétiques Pour Le Renforcement Des Sols	Amali Abdelhamid	University of Annaba	

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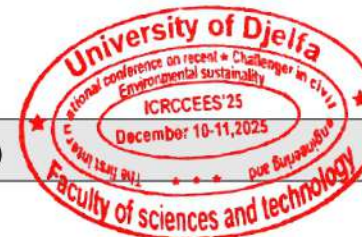


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ID	Paper Title	Author	affiliation	Co-Authors
ID 201	Modernisation Du Cadastre Grâce Aux Technologies Géo Spatiales Et Aux Drones	Tenah Bendaoud	University of Djelfa	Nafti Redoune, Belferd Naas, Chinoune Saad, Rabehi Badreddine
ID 203	Dynamic Analysis Of Fg Plates Under Various Boundary Conditions: Influence Of Micromechanical Models	Lazreg Hadji	University of Tiaret	Nafissa Zouatnia, Latifa Ould Larbi
ID 204	Influence Of Initial Steam Curing Using Solar Energy And Mineral Additions On Rubberized Self-Compacting Concrete	Asma Haddadou	University of Djelfa	Zaouia Said, Douara Taha Hocine, Elbahi Bachir
ID 204	Free Vibration Analysis Of Fgm Sandwich Beams: Porosity Effect	Guemit Mohamed Bilal Chami	University of Tiaret	Lazreg Hadji, Abdelkader Safa
ID 205	Using Ground Flaxseed And Flax Fibers To Stabilize Earth Blocks: An Eco-Friendly Alternative To Cement And Lime	Smain Nour Elhouda	University of Djelfa	Zaouai Said, Mohamed Rabehi
ID 206	Influence Of Sand Type On Acid Resistance And Capillary Absorption Capacity	Attia Ahmed	University of Djelfa	Tarek Hadji, Taha Hocine Douara, Salim Guettala, Michèle Queneudec
ID 207	Optimization Of The Intermixture Of A Viscosity-Modifying Agent And A Superplasticizer For Self-Compacting Concrete	M'Hamdi Faiza	University of Djelfa	Belkheiri Nassira, Balla Faiza, Jaouaf Salaheddine
ID 208	Modélisation Des Flux Hydro-Sédimentaires Et Cartographie Des Zones A Risque D'érosion Hydrique Par Sig (Application Au Sous Bassin Du Barrage Oued Cherf (Nord-Est Algerien).	Balla Faiza	University of Djelfa	M'Hamdi Faiza, Aisaoui Maroia
ID 209	Urban Residential Architecture And Environmental Sustainability: Integrating Indigenous Stone Into Housing Strategies In Semi-Arid Cities	Samira Dib	University of Djelfa	Abdelhadi Sardou
ID 210	Influence Of Seismic Isolators On The Seismic Demands Of Reinforced Concrete Frames	Said Hicham Boukhalkhal	University of Djelfa	Rahmani Abdallah Yacine, Badaoui Mohamed
ID 211	Natural Pozzolan Effects On Concrete: Durability And Performance In Various Civil Engineering Applications	Ben Salah Hadji	University of Djelfa	Mostefa Hani
ID 212	Incorporation Of Sand Concrete Enhanced By Silica Fume And Blast Furnace Slag: Performance And Cost-Effectiveness Of Innovative Mixtures In Various Construction Applications	Koriga Said	University of Djelfa	Ben Salah Hadji, Mostefa Hani
ID 213	Influence Des Fillers Sur Les Propriétés A L'état Frais Et Durci D'un Béton Eco-Autoplaçant (Eco-Bap) A Base De Granulats Recyclés	Bachir Nezegui	University of Djelfa	Douara Taha Hocine, Omrane Mohamed, Marouane Amrane, Dif Fodil
ID 214	Détection De Cavités Par Des Essais Géophysiques Cas De 'Centre Anti-Cancer (Cac) 120 Lits De Djelfa'	Cheriet Fayssal	University of Djelfa	Bouguerra Mostafa, Lamouri Aissa
ID 215	Impact Of Joint Flexibility On The Seismic Assessment Of Rc Buildings	Abdallah Yacine Rahmani	University of Djelfa	Said Hicham Boukhalkhal, Badaoui Mohamed
ID 216	Assessing Vibration Control Approaches For High-Rise Buildings Exposed To Earthquake Excitation	Abdelaziz Horabi	University of Djelfa	Dif Fodil, Nail Bachir, Harzallah Salaheddine
ID 217	A Performance Evaluation Of Self-Compacting Concrete With Various Aggregates And Cementitious Additions In Fresh And Hardened Conditions	Mohamed Bergad	University of Djelfa	Dif Fodil, Omrane Mohammed
ID 218	Contribution To The Study Of The Combined Influence Of Waste Powders And Heat Treatment On The Mechanical Properties Of Ecological Concrete.	Taha Hocine Douara	University of Djelfa	Naas Allout, Guettala Salim
ID 219	Prévision La Résistance A La Compression Simple Des Bétons Auto-Plaçants A Base De Filler De Calcaire Par Réseaux De Neurones	SERRAYE Mahmoud	University of Djelfa	Amri Salima, Kenai Said



First Day: December 10, 2025



8h00– 9h00	Welcome - Registration (University Pole)
9h00 – 9h30	Opening Ceremony Professor AILEM Elhadj, Dr DOUARA Taha Hocine, Dr BADAoui Mohamed
09h40 – 10h20	Plenary Session 1 Innovative solutions for geotechnical problems in public works Professor EVIRGEN Burak Eskisehir Technical University, Turkey Chairs : Pr Hadj Bekki ; Dr Lazhar Hariche
10h20 – 10h40	Coffee break
10h40 – 11h20	Plenary Session 2 Nouvelle méthode de caractérisation des sols gonflants - Technique efficace pour la réduction de la pression de gonflement Professor BOUASSIDA Mounir University of Tunis El-Manar - National Engineering School of Tunis, Tunis Chairs: Pr Ahmed Merah, Dr Boubaker Bencheikh



First Day: December 10, 2025 – Oral session

Session 1 (Topic 2): Earthquake and Structural Engineering

Chairs: Prof TATI Abdelouahab, Pof. Mohamed-Ouejdi Belarbi



Time	ID	Author	Title
11h30 – 11h45	46	Abdellatif Hannachi	Automated Optimization Of Shear Wall Design Under The New RPA2024 Provisions
		ENP- Alger	
11h45 – 12h00	59	Mohammed Ibrahim BESSAID	Flow-Driven Fracture Propagation In Concrete Gravity Dams: Coupled Hydraulic And Soil–Structure Interaction Under Seismic Loading
		Tlemcen University	
12h00 – 12h15	100	Mohamed Khatine	Study Of Nonlinear Seismic Response: A Case Study Of The Dar El Beida Site In Algiers
		University of Medea	
12h15 – 12h30	145	Hamida Sekkour	Modeling Of Curved Structures Using The Strain-Based Approach
		Bejaia University	
12h30 – 12h45	150	Ahmed Belbachir	Cyclic Shear Behavior And Strength Modeling Of Reinforced Concrete Short Coupling Beams
		Tlemcen University	
(12h45 – 14h00) Lunch			



First Day: December 10, 2025 – Oral session

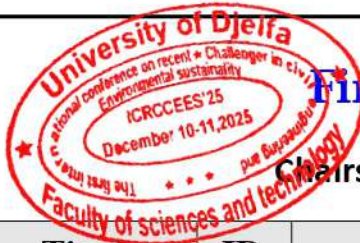
Session 2 (Topic 4) : Roads, Bridges, Tunnels and Railways Engineering

Chairs: Prof Baizid Benahmed, Dr Hamza Dif, Dr Attia Bachiri



Time	ID	Author	Title
11h30 – 11h45	65	Soumia Aouissi	Seismic Vulnerability Assessment Of Box Girder Bridges Using Fragility Curves: A Case Study In Algeria
		University of Djelfa	
11h45 – 12h00	49	AZZOUZI BOULANOUAR	Evaluation Of Limestone Tuff Quarries In Djelfa (Algeria): From Regional Mapping To Understanding The Impact Of Calcium Carbonate On Performance
		University of Djelfa	
12h00 – 12h15	61	MESSAOUD Imad Eddine	Modification Of Bituminous Concrete Using Plastic Waste (Skai)
		University of Bechar	
12h15 – 12h30	47	Alleug Mohamed Djelal Eddine	Assessment Of Mechanical Performance Of Asphalt Mixes Using Aggregates From Bab Mesoud And Oued Sdar
		University of Djelfa	
12h30 – 12h45	155	SARRA AZZOUZ	3D Numerical Investigation Of NATM Tunnel Excavation: Behaviour, Stability, And Support Design
(12h45 – 14h00) Lunch			





First Day: December 10, 2025 – Poster session (1)

Chairs: Dr. Si-Ahmed Mohammed, Dr Mohamed Guendouz, Dr Said Zaouai

Time	ID	Author	Title
14h00 – 14h45	34	Kouidri Messaoud	Characterization of Mechanical and Physical Properties of Sand Concrete with Marble and Granite Waste Additions
	66	Mohamed Merniz	Impact of the Combination of Industrial Waste-Based Fillers on the Physico Mechanical Properties of Desert Sand Concrete
	116	Moulay Driss Berkani	Effect of Ground Glass Powder Incorporation on the Rheological Properties and Durability of Self-Compacting Mortars
	117	Moulay Driss Berkani	Effet de l'activation thermique de la bentonite comme ajout sur les propriétés physiques et mécaniques du mortier autoplaçant
	38	Aissa Dahmani	Effect of plastic waste-based self-compacting concrete on mechanical behavior and durability
	121	Hamza LAOUBI	Plaster-Based Lightweight Mortars with Expanded Perlite for Sustainable Energy Efficiency
	86 87	Tarek Hadji	Prediction of Volumetric Evolution in Silica Fume-Modified Cement Pastes Using Hydrcem and Powers Models Combined Effects of Silica Fume and Crushed Limestone Sand on the Rheological Properties and Mechanical Strength of Cement Mortars





First Day: December 10, 2025 – Poster session (2)

Chairs : Prof Mohamed Benhoua, Dr Taha Hocine Douara

Time	ID	Author	Title
14h00 – 14h45	56	Omar Kouider Djelloul	The Effect of Natural Pozzolan on The Rheological and Compressive Strength Properties of Recycled Self-Compacting Mortar
	71	Mohamed sadak Merrakchi	Experimental Investigation Of The Ultrasonic Pulse Velocity Of Lightweight Mortar Including Expanded Clay at Elevation Temperature
	37	Mohamed Latrache	Applications of composite materials in thermally insulating walls
	142	Ratiba Guidoume	Targeted Bibliometric Analysis of CO2 Reduction in Concrete Using Dune Sand and Supplementary Cementitious Materials
	15	Belkacem Elhocine TOUHAMI	Modeling of Interfacial Stresses in a wooden Beam-Lightweight Concrete Slab Strengthened with Externally Bonded GFRP Plates
	89	Chinoune Saad	Urban Solid Waste Management in Algeria: Feasibility Analysis of Selecting a Technical Landfill Site in the City of Charef, Djelfa Province
	67 (139)	Yassine BOUCHENEB	Experimental investigation of the effect of glass powder incorporation on the mechanical properties of concrete
	213	Bachir Nezergui	Influence des fillers sur les propriétés à l'état frais et durci d'un béton eco-autoplaçant (Eco-BAP) à base de granulats recyclés
	211	Hadji Ben Salah	Natural Pozzolan Effects on Concrete: Durability and Performance in Various Civil Engineering Applications
88	DIF Fodil	Influence of sand type on the physico-mechanical properties and durability of self-compacting concrete	



First Day: December 10, 2025 – Poster session (3)

Chairs: Dr Abdallah Yacine Rahmani, Dr Younsi Abderrahman

Time	ID	Author	Title
14h45 – 15h30	81	Mohamed Kechachni	Assessment of the Seismic Overpressure in Hopper Silos
	124	Bounequet Soumis	Dynamic response of reinforced concrete caisson foundation
	120	Ghoul Sahraoui	Numerical Investigation of Vertical Deformation in L-Shaped Reinforced Concrete Elements
	133	Hayet Boumediene	Analysis of Slip and Shear Interface Stresses in a Steel-Concrete Composite Beam Reinforced with a CFRP Plate
	13	Kralifa Abderrahim Souffiane	Free vibration of a composite sandwich plate
	105	Tawfiq Zekhmi	The Effect Of Reinforcement On The Uniaxial Compression Behavior Of Gfrc-Confined Columns
	212	Koriga Said	Incorporation of Sand Concrete Enhanced by Silica Fume and Blast Furnace Slag: Performance and Cost-Effectiveness of Innovative Mixtures in Various Construction Applications
	210	Said Hicham Boukhalkhal	Influence of Seismic Isolators on the Seismic Demands of Reinforced Concrete Frames
	216	Abdelaziz Horabi	Assessing Vibration Control Approaches for High-Rise Buildings Exposed to Earthquake Excitation
	76	ZAGAAR Yamina	Static analysis of FGM porous plates resting on elastic foundations
	110	Djeddaoui Naas	Deep Learning Techniques for Structural Damage Detection and Assessment
111	Djeddaoui Naas	AI-Driven Methods for Sustainable and Smart Civil Engineering Systems	



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First Day: December 10, 2025 – Poster session



Chairs: Prof. AIT AMAR MEZIANE Mohamed, Dr Smaida Ali, Dr Melik Bekkouch

Time	ID	Author	Title
14h45 – 15h30	208	Balla Faiza	Modélisation des flux hydro-sédimentaires et cartographie des zones à risque d'érosion hydrique par SIG (application au sous bassin du barrage oued cherf (Nord-est algerien).
	200	AMALI Abdelhamid	L'utilisation des Géo-synthétiques pour le renforcement des sols
	85	Hamza Safa	Prediction of Swelling in Clay Soils of Batna by Empirical Methods
	57	Hizia Bekhouche	Improvement of Clayey Soils by Sand Incorporation: A Case Study from the Manaa Region, Batna (Algeria)
	129	Insaf Saifi	Effect of Embedment Ratio on the Bearing Capacity Factor $N\gamma'$ For 2D Models of Embedded Footings
	33	Bachir Mebarki	Numerical and Theoretical Study of Hydrogeotechnical Behavior in Submerged Rectangular Weirs
	18	Ouabel Houari	Etude numérique et paramétriques de l'essai pressiométrique au voisinage d'un talus
	118	HADEF Djallal	Assessment of Pavement Differential Settlement Due to Expansion Under Traffic Loading
	205	Smain Nour Elhouda	Using Ground Flaxseed and Flax Fibers to Stabilize Earth Blocks: An Eco-Friendly Alternative to Cement and Lime
	214	Cheriet Fayssal	Détection de cavités par des essais géophysiques cas de 'Centre Anti-Cancer (CAC) 120 lits de Djelfa'
146	Choungache Belgacem	Utilisation de poudres de caoutchouc et de sable de dune pour stabiliser un sol argileux : Approche expérimentale et statistique	



Second Day: December 11, 2025

8h00– 9h00	Welcome
9h00 – 9h40	<p>Plenary Session 3</p> <p>Vers des infrastructures intelligentes et durables un paradigme axé sur les données intégrant les technologies BIM, SIG et jumeau numérique</p> <p>Dr. Abdelatif KERMICHE Directeur de MBIM ENGINEERING, Alger Chairs: Prof Makhloufi Zoubeir, Dr Badaoui Mohamed</p>
09h40 – 10h20	<p>Plenary Session 4 (Online)</p> <p>Challenges of aluminum as structural material in Civil Engineering</p> <p>Professor Federico M. MAZZOLANI University of Naples Federico II, Italy Chairs: Prof Nouredine Bourahla, Prof Burak Evirgen</p>
10h20 – 10h35	Coffee break



Second Day: December 11, 2025 – Oral session

Session 1 (Topic 1): Building Materials and Environmental Sustainability

Chairs : Prof Rebih Zaitri, Prof Dalila Benamara, Dr Kheira Camélia Nehar



Time	ID	Author	Title
10h35– 10h50	28	Faical Nebri	Enhancement of the Rheological Efficiency of Hot-Climate-Resilient Self Compacting Sand Concrete
		University of Djelfa	
10h50 – 11h05	29	Manal Khreisat	Eco-Self-Compacting Sand Concrete: Efficiency Statistical Optimization via Limestone Filler Content and Fineness
		University of Djelfa	
11h05 – 11h20	83	Mohamed Chakib Kherrabi	Workability and Compressive Strength of Self-Compacting Mortar Containing Recycled Sand from Brick Waste.
		University of Blida 1	
11h20 - 11h35	91	Oussama Doudi	Sustainable Concrete «Incorporation of Recycled Powder from Construction and Demolition Waste
		University of Bechar	
11h35 - 11h50	140	Hadja DADA	Rheological and workability assessment of eco-friendly mortars with two types of superplasticizers
		University of Laghouat	





Second Day: December 11, 2025 – Oral session



Session 2 (Topic 3) : Geomaterials and Geotechnical Engineering

Chairs: Prof Febehi Mohamed, Dr Cheriet Fayssal, Dr Bensaada Abdelhalim

Time	ID	Author	Title
10h35– 10h50	40	Djamila Bouayad Bejaia University	Cone penetration tests (CPTu) based soil behavior type classification of clayey deposit
10h50 – 11h05	50	Zeggar Imane University of Djelfa	Finite element study of the behavior of a reduced pile model subjected to cyclic axial loading
11h05 – 11h20	84	Hamza Bouhali University of Djelfa	Modeling the Behavior of Soil–Structure Interfaces Under Cyclic Loading
11h20 - 11h35	102	Mohamed Khatine University of Medea	Characterization of clay swelling in Medea and mitigation solution reducing the swelling effect
11h35 - 11h50	128	Billel Bouguedra University of Djelfa	Machine Learning Techniques to Estimate the Strength Value of Clayey-Silty Soil from Algerian Highlands



Second Day: December 11, 2025 – Poster session

Chairs: Prof Guettala Salim, Dr Nécira Brahim, Dr Dif Fodil



Time	ID	Author	Title
11h50 – 12h30	70 151	Lebbaz El.ala	Mechanical Behavior Of Self-Compacting Mortars Based On Mixed Sand And Ternary Binders Combined effect of recycled marble aggregates and natural pozzolana powder on the mechanical performance of pavement concrete
	144	Anfal Djamed	Ground Granulated Blast Furnace Slag (GGBFS) in Cementitious Systems:A Review
	141	Ahmed Ragaa	Modeling the Properties of Self-Compacting Concrete Incorporating Waste Powders: Application of Mixture Design and Multi-Response ANOVA
	79	Doukani Abderrahmane	Effect of Glass Grain Morphology on the Hydraulic Behavior of Unbound Granular Pavement Layers
	72	Mohamed Imad Eddine Kadri	Influence of Initial Steam Curing Using Solar Energy and Addition of Blast Furnace Slag/Glass Powder on Mechanical Properties and Durability of Concrete
	201	Tenah Bendaoud	Modernisation du cadastre grâce aux technologies géo spatiales et aux Drones
	122	Abdelatif Mebariki	Fresh and Hardened Properties of Cement Mortars Incorporating Slag and Brick Powder: A Comparative Assessment
	148	Chahta Abderrahim	Mechanical characterisation of cementitious mortar based on binary sand (limestone and dune) used as a protection against HCl attack
	204	Asma Haddadou	Influence of Initial Steam Curing Using Solar Energy and Mineral Additions on Rubberized Self-Compacting Concrete



Second Day: December 11, 2025 – Poster session (2)

Chairs : Dr Tounsia Boudina, Dr Sofiane Bounouni, Dr Naas Allout



Time	ID	Author	Title
11h50 – 12h30	16	Belkacem Edeb	Designing And Evaluating The Properties Of High-Performance Ecological Concrete With Blast Furnace Slag And Marble Powder
	62	Marouane Amrane	The Effect Of Dune Sand On The Water Retention Of Limestone Mortar Treated With 5% Of Sbr Latex.
	106	Rachid Rabehi	Evaluating The Physical, Mechanical, And Fresh Properties Of Self-Compacting Concrete With Sustainable Sand Substitutes
	137	Mohamed Nassim Maidi	Influence Of Steam Curing By Solar Energy On The Physico-Mechanical Properties And Durability Of Precast Concretes Containing Different Mineral Additions
	41	Benamara Dalila	Impact Of Metallic Fibers On The Behavior Of Sand Concrete: Experimental And Numerical Approach
	43	Kheira Camellia Nehar	Towards Sustainable Concrete: Understanding Cracking Mechanisms Induced By Recycled Aggregates
	207	M'hamdi Faiza	Optimization Of The Intermixture Of A Viscosity-Modifying Agent And A Superplasticizer For Self-Compacting Concrete
	206	Attia Ahmed	Influence of sand type on acid resistance and capillary absorption capacity
	217	Mohamed Bergad	A Performance Evaluation of Self-Compacting Concrete with Various Aggregates and Cementitious Additions in Fresh and Hardened Conditions
	143	Melik Bekhiti	Modélisation du comportement élastique des sols argileux renforcés par des fibres de caoutchouc recyclé
218	DOUARA Taha Hocine	Contribution to the study of the combined influence of waste powders and heat treatment on the mechanical properties of ecological concrete.	



Second Day: December 11, 2025 – Poster session (3)

Chairs : Dr Koriga Said, Dr Hadji Bensaleh, Dr Boukhalkhal Said Hicham

Time	ID	Author	Title
12h30 – 13h10	8-22	Salah Guettala	Exploring Nonlinear Seismic Response in High-Performance Reinforced Concrete Structures Fiber-Based Macro-Modeling of RC Frames with Masonry Infill Walls Using ETABS
	39	Hassaine Daouadji Maya	Interfacial stresses in steel beams strengthened by prestressed composite plate: Application for continuous steel beams
	9	Abdelaziz GHEZAL	Active Vibration Control: Comparative Evaluation of Control Algorithms for Seismic Excitations
	136 147	BENMELOUKA Abdelkader	Influence of Mesh Size and Element Type on the Structural Response of a Reinforced Concrete Beam Under Loading: A Comparative Study / Effect Of The Dilation Angle On Flexural Behavior In Reinforced Concrete Beams
	113	Rabia Zahra ZEGGAR	Enhancing Progressive Collapse Performance of Steel Moment-Resisting Frames Through Roof-truss
	134 215	Abdallah Yacine Rahmani	Investigation on the Resistances of Concrete and Reinforcement Rebars Recommended by the Algerian Seismic Regulation Impact of Joint Flexibility on the Seismic Assessment of RC Buildings
	152 153	Abderahman Younsi	Buckling Analysis of Advanced Composite Plates via a 2D Integral Shear Deformation Theory / A Simple Trigonometric Higher Order Shear Deformation Theory for Static Analysis of Functionally Graded Plate
	203	Lazreg Hadji	Dynamic analysis of FG plates under various boundary conditions: Influence of micromechanical models
	204	Guermit Mohamed Bilal Chami	Free vibration analysis of FGM sandwich beams: Porosity effect



Second Day: December 11, 2025 – Poster session (4)

Chairs: Prof Omrane Mohamed, Dr Hadji Tarek, Dr Attia Ahmed,



ID	Author	Title
58	Mohamed Dacher	Use of Recycled Marble Dust for Reinforcing Collapsible Soils: An Applied Study in the Messaad Region, Algeria
209	Samira Dib	Urban Residential Architecture and Environmental Sustainability: Integrating Indigenous Stone into Housing Strategies in Semi-Arid Cities
63	Oumrich Kamel	Stabilization of Expansive Soil Using Lime and Sawdust: Effect on Geotechnical Properties and California Bearing Ratio (CBR)
90	Rida Bensailaa	Blast loading Response of Shield Tunnel with Double-Layer Lining
27	Ahmed Wail Daifallah	Enhancing Urban Resilience through Permeable Infrastructure: A GIS-Based Flood Hazard Assessment in the Semi-Arid City of Djelfa, Algeria
12	Allout Naas	Synergistic Impact of Solar Energy-Based Steam-Curing Technology and Dune Sand Powder on Concrete Qualities
132	Lakhdari Mohad Seghir	Deflection-Based Structural Evaluation of RN40 National Road: A Case Study
94	Dif Hamza	Contribution to Improving Road Safety in the Province of Djelfa
219	Serraye Mahmoud	Prévision la résistance à la compression simple des bétons auto-plaçants à base de filler de calcaire par réseaux de neurones
135	Loualbia Hamza	Stability analysis of Kreirech dam under rapid drawdown
104	Nour Rahouadja KERBATI	Numerical and Geotechnical Modeling of Tunnel Behavior in Complex Rock Masses: Application to the Djelfa Electric Railway Link"

12h30 – 13h10



13h20 – 13h50	Closing Ceremony
14h00	Lunch