

International Conference

LAND DEGRADATION AND SUSTAINABLE DEVELOPMENT IN THE STEPPES

NOVEMBER 18-21, 2024 | DJELFA, ALGERIA |

Technical Program V3

Monday, 18 November

Algeria Time (UTC +1)/ Central European Time (UTC +1)/ Middle East Time (UTC +3)

07:30 - 08:30	Registration	Auditorium Entrance
08:30 - 10:00	Opening Ceremony	Auditorium
10:00 - 10:30	Poster Session A	Poster Session Chair: Mr.Souttou Karim Poster Area (First floor) coffee break
Session 1, THEME 07		
Moderator: Mr. Schmitz Serge Rapporteur: Mr. Boussaid Adel		
10:30 - 10:50	Keynote Lecture: Mr. Schmitz Serge , <i>Why should we talk of steppification?</i>	
10:50 - 11:00	OP1: Mr. Breg Valjavec , <i>The role of dolines in climate change mitigation in the Mediterranean karst landscape</i>	
11:00 - 11:10	OP2: Mr. Bouznad Imad Eddine , <i>Modelisation RUSLE/AHP soil erosion analysis in the Algerian High Plateaus: the impact of climate change and drought through RUSLE/AHP modelling and remote sensing.</i>	
11:10 - 11:20	OP3: Mr. Djelaila Yassine , <i>Climatic characterisation of the Wilaya of El Bayadh.</i>	
11:20 - 11:30	OP4: Mrs. Karima Bencherif , <i>Arbuscular mycorrhizal fungi mitigate negative effects of climate change in steppe ecosystems.</i>	
11:30 - 11:40	OP5: Ms. Sara Hezil , <i>Phenology monitoring: PPM a biological model for climate change.</i>	
11:40 - 12:10	Debate	
12:10 - 13:30	Lunch	Adjacent building
Session 2 THEME 06		
Moderator: Mr. Matija Zorn Rapporteur: Mr. Tahchi Belgacem		
13:30 - 13:50	Keynote Lecture: Mr. Matija Zorn , <i>Low-income countries and the impact of natural disasters</i>	
13:50 - 14:00	OP1: Mr. Oloumane nino Patrick , <i>Applying joint species distribution modelling to understand the relative influence of each ecological filter in the El Bayadh steppe community assembly.</i>	
14:00 - 14:10	OP2: Ms. Amina Hamadi , <i>Agroforestry potential impacts on agricultural land fertility of foothills North-West of Dahra (Mostaganem, Algeria).</i>	
14:10 - 14:20	OP3: Ms. Hamida Mallem , <i>Land degradation and vegetation restoration techniques. (Virtual)</i>	
14:20 - 15:00	Debate	
15:00 - 15:30	Poster Session A	Poster Session Chair: Mr.Souttou Karim Poster Area (First floor) coffee break
Session 3 THEME 06		
Moderator: Mrs. Benyahia Kaouther Rapporteur: Mrs. Belhadj Safia		
15:30 - 15:40	OP1: Mr. Kakha Nadiradze , <i>Soils Microbiota Biodiversity and Conservation. (Virtual)</i>	
15:40 - 15:50	OP2: Mrs. Mériem Marfoua , <i>Improving seed germination of native species for Algerian Saharan rangeland restoration: effects of cold stratification.</i>	
15:50 - 16:00	OP3: Ms. Fatima Zohra Batana , <i>Environmental impact of chromium emissions from the Djelfa tannery. (Virtual)</i>	
16:00 - 16:10	OP4: Ms. Ganaoui Nawel , <i>Restoration strategies for degraded Algerian steppe: insights from comparative vegetation analysis in Mhaka region.</i>	
16:10 - 16:40	Debate	

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Session 4 Diverse Perspectives (THEMES: 4,5,9 and 14)

Moderator: Mr. Pierre Ozer Rapporteur: Mr. Fofou Atif

08:30 - 08:50	Keynote Lecture : Mr. Pierre Ozer , <i>Les steppes</i>
08:50 - 09:00	OP1: Mrs. Keira Bachar , <i>Taking account of fighting land degradation in urban planning in steppe environment: a prospective inventory.</i>
09:00 - 09:10	OP2: Mr. Benyahia Mohammed Elseddik , <i>Biophysiological effects of Atriplex canescens introduction on degraded rangeland vegetation in a semi-arid climate.</i>
09:10 - 09:20	OP3: Mr. Gasmi Bensalah , <i>A sustainable integrated approach to the use of the semi-arid Algerian steppe forests soils and regulation of socioecological risk factors through regulatory rural management.</i>
09:20 - 09:30	OP4: Mrs. Gares Maroua , <i>The environmental advantages of the cultivation of Algerian alfa as an energy crop for bioenergie production. (Virtual)</i>
09:30 - 09:40	OP5: Mrs. Nabila Berrighi , <i>Impact of incorporation of 40% brewer's grain spent on serum parameters and fatty acids profile of Taadmite sheep meat. (Virtual)</i>
09:40 - 10:00	Debate
10:00 - 10:30	Poster Session C Poster Session Chair: Mr. Guit Brahim Poster Area (First floor) coffee break

Session 5 THEME 11

Moderator: Mr. Djeddaoui Farid Rapporteur: Mr. Bouznad Imad Eddine

10:30 - 10:50	Keynote Lecture: Mr. Arsalan Ahmed Othman , <i>Satellite-Derived Shallow Water Depths Estimation Using Remote Sensing and Artificial Intelligence Models in Semi-Arid Region (Iraq). (Virtual)</i>
10:50 - 11:00	OP1: Mr. Taibaoui Brahim , <i>Contribution of satellite images in monitoring the dynamics of degradation phenomena in steppe ecosystems, case of Djelfa region, Algeria.</i>
11:00 - 11:10	OP2: Mr. Abdelhaid Bouzekri , <i>Assessment and Mapping of Desertification Sensitivity in Khenchela Province: Integrating GIS and AHP Methodology.</i>
11:10 - 11:20	OP3: Mr. Zegrar Ahmed , <i>The spatial tool in determining the impacts of climate change on the pastoral area of Algeria "case of El Bayadh".</i>
11:20 - 11:50	Debate
11:50 - 13:30	Lunch Adjacent building

Session 6 THEME 08

Moderator: Mr. Tahchi Belgacem Rapporteur: Mr. Elahcene Omar

13:30 - 13:50	Keynote Lecture: Mr. Mohammed Smail : <i>Plants adapted to climate change in arid and semi-arid regions</i>
13:50 - 14:00	OP1: Mr. Omar Elahcene , <i>Specific degradation in a Mediterranean stream:case of Oued Zeddine.</i>
14:00 - 14:10	OP2: Ms. Bouherama Amina , <i>Enhancing plant growth and soil moisture with biopolymeric encapsulation of plant growth promoting bacteria from arid-adapted Medicago sativa.</i>
14:10 - 14:20	OP3: Mrs. Assia Meziani , <i>Comparative performance of generalized regression neural network and adaptive neuro-fuzzy inference system models for evapotranspiration estimation in Djelfa. (Virtual)</i>
14:20 - 14:30	OP4: Mr. Ahmed Saidani , <i>Estimating of water demand in semi-arid regions, a case study Djelfa city, what are future scenarios?</i>
14:30 - 15:00	Debate
15:00 - 15:30	Poster Session C Poster Session Chair: Mr. Guit Brahim Poster Area (First floor) coffee break

Session 7 Virtual Poster Flash Talks

Moderator: Mr. Guesmi Boubakeur Rapporteur: Mr. Sehl Boudjemaa

15:30 - 15:35	VP1: Ms. Najmeh Daryaei , <i>Approaches to the development of local community resilience along with the sustainable conservation of wetlands: lessons learned from Iran.</i>
15:35 - 15:40	VP2: Mr. Kakha Nadiradze , <i>Combating desertification gaining the multi benefits.</i>
15:40 - 15:45	VP3: Mr. Deeb Abdelghafour , <i>Development options of water resources in Palestine.</i>
15:45 - 15:50	VP4: Mr. Cheikh Bergane , <i>Study of rainfall trends and drought: case of a watershed in eastern Algeria.</i>
15:50 - 15:55	VP5: Ms. Hantache Rabhia , <i>Contribution to the study of the toxic effect of organophosphorus pesticides on some Gram-negative bacteria (Enterobacteriaceae and Pseudomonadaceae)</i>
15:55 - 16:30	Debate
16:30	Closing Ceremony Auditorium

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Poster Session A

Poster
stand

Monday, 18 November 10:00 - 10:30H

No. Algeria Time (UTC +1)/ Central European Time (UTC +1)/ Middle East Time (UTC +3)

01	[12P02D-NC] Mr.José Domingo Sánchez Martínez <i>The Advance Of The Olive Grove In The Steppe Plateau Of Southeastern Andalusia</i>
02	[65C02R-NC] Mrs.Omrani Rachid <i>The Evaluation Measures Of Projects Aimed At Combating Soil Degradation In The Algerian Steppe And The Intelligence In Selecting Measurement Indicators Based On The Criteria Of Coherence, Relevance, Effectiveness, Impact, And Efficiency.</i>
03	[86C02A-NC] Mr.Tichoudad Tayeb <i>Correlation Of Precipitations And Cereal Cultures In Djelfa Province Case Study</i>
04	[16P03R-NC] Ms.Smaili Yasmina <i>Factors Of Degradation Of The Atlas Pistachio (Pistacia Atlantica) In The Algerian Steppe</i>
05	[05P07M-NC] Mr.Attou Alaa Eddine <i>Determining The Spatial And Temporal Distribution Of Drought Within The Algerian Steppe To Prove Climate Change.</i>
06	[06P07M-NC] Mr.Zahed Khalid <i>Studying Evapotranspiration Spatially Within The Algerian Steppes Using Geographic Information Systems To Determine Climate Change.</i>
07	[27P07R-NC] Mr.Sahli Youcef <i>Study Of The Hydrological Response Of The Soummam Watershed In The North East Of Algeria</i>
08	[31P07M-NC] Mr.Boubakeur Guesmi <i>Climatic Drought A Challenge To The Steppe Ecosystem And Vegetation Of Djelfa</i>
09	[57P07R-NC] Mr.Atif Foufou <i>Climate Change In Arid And Semi-Arid Areas: Comparative Study Of Their Impact On Water Resources In The Menia And Djelfa Regions.</i>
10	[99C07R-NC] Ms.Kerzabi Rachida <i>Impact Of Climate Change On The Development Of Halophytes In The Western Part Of Algeria</i>
11	[101P07R-NC] Mrs.Sarra Hennane <i>Assessment Of Pollution Dispersion And Climate Impacts From Industrial Activities In Sensitive Steppe Environment.</i>
12	[45C09R-NC] Mr.Trodi Fares <i>The Implementation Of Public And Landscaped Green Spaces In New Algerian Steppe Towns, Case Of Boughzoul (Algeria)</i>
13	[81C09D-NC] Mrs.Harzli Tawfiq <i>The Impact Of The Degradation Of The Steppe Environment On Population Changes, The Municipalities Of Al-Sharif And Al-Idrisiya In The State Of Djelfa As An Example</i>
14	[93C12R-NC] Mr.Azzouz Mohamed <i>Pastoralism In Algeria: An Eco-Cultural Heritage To Be Preserved For Future Generations</i>
15	[102P09R-NC] Mr.Rabhi Badreddine <i>Micro-regional imbalance of the agglomeration system and urban congestion in the city of Djelfa.</i>

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Poster Session B

Monday, 18 November 15:00 - 15:30H

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stand

No.

Algeria Time (UTC +1)/ Central European Time (UTC +1)/ Middle East Time (UTC +3)

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- 01 [22C06T-NC] Mr.Djelaila Yassine || *Characterisation Of Steppe Rangelands In The Wilaya Of El-Bayadh*
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- 02 [29P06R-NC] Ms.Hamyeme Halima El Saadia || *Contribution To The Study Of Mycorrhization In Some Plants From The Pre-Desert Region Of Algeria*
-
- 03 [32P06M-NC] Ms.Sabkhaoui Maroua Hibat Elmaoula || *Phytoaccumulation Of Heavy Metals From Contaminated Soil Using A Spontaneous Plant (Astragalus Armatus) In The Algerian Steppe*
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- 04 [33C06R-NC] Mr.Arous Ali || *Effect Of Two Types Of Manure (Poultry And Rabbit) On The Growth And Yield Of Maize (Zea Mays L.) In The Ain Defla Region*
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- 05 [36C06R-NC] Ms.Belaidi Yasmine || *Rare Species In Algeria*
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- 06 [54P06R-NC] Mr.Bachir Bouiadjra Mohammed El Amine || *The Effect Of Sodium And Calcium Bentonite Amendment On The Performance Of Vicia Faba L. Bean Culture In Salty Soils Of Semi-Arid Regions, Case Of The Wilaya Of Relizane West Algeria.*
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- 07 [68P06M-NC] Mr.Brahim Taibaoui || *Application Of Geostatistics In The Study Of The Risk Of Degradation In The Southern Algerian Steppe Of Djelfa, Algeria*
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- 08 [69P07R-06] Mrs.Zaoui Aicha || *State Of Plant Biodiversity In The Natural Forests Of Djelfa: The Case Of S nalba Chergui And Sehary Guebli*
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- 09 [73P06R-NC] Ms.Guettaf Halima || *Isolation And Characterization Of Plant Growth-Promoting Bacteria (Pgp) To Enhance The Growth Of Pinus Halepensis In The Combat Against Desertification In The Na ma Steppe, Algeria*
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- 10 [91P06R-NC] Ms.Rachda Berrached || *Fungal Diversity In Rhizosphere Soil Of Artemisia Campestris L. At Chabka 2, Ain Fekka, Djelfa Department (Algeria)*
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- 11 [100P15R-06] Ms.Fatima Benhaffaf || *Isolation And Characterization Of Fungal Strains From Some Spontaneous Plants In The Laghouat Region.*
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- 12 [08P10R-NC] Mr.Naimi Bendouina || *Use Of Machine Learning Models And Sentinel_2 Data On Google Earth Engine For Mapping Land Use And Distribution Of Atlas Pistachio In The Provinces Of Naama And El Bayadh (South-West Algeria).*
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- 13 [09P10R-NC] Ms.Madani Djamila || *Analysis Of The Modifications And Degradation Of Natural Resources In The Steppic Zone: Case Of M'Cif (Msila)*
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- 14 [28P10R-NC] Mr.Guerine Lakhdar || *Spatial Evolution Of Silting In El-Bayadh And Naama Provinces: A Diachronic And Cartographic Approach Based On Sentinel-2A Imagery And Machine Learning*
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- 15 [92C10R-NC] Mr.Ouabel Habib || *Contribution And Evaluation Of Soil Quality In The Ammari Region, Tissemsilt*
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Poster
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No.

Poster Session C

Tuesday, 19 November 10:00 - 10:30H

Algeria Time (UTC +1)/ Central European Time (UTC +1)/ Middle East Time (UTC +3)

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| 01 | [75C04R-NC] Mr.Salim Lamine <i>Hyperspectral Remote Sensing In Precision Agriculture: Present Status And Future Trends</i> |
| 02 | [98P04R-NC] Mr.Adel Boussaid <i>Transhumant Pastoralists And Sedentary Agro-Pastoralists Of The Central Algerian Steppe (Case Study Of Djelfa Province)</i> |
| 03 | [79P05R-NC] Mr.Mohamed Cherif Mustapha <i>Analysis Of Desertification Programs In The Algerian Steppes</i> |
| 04 | [40P11R-NC] Mrs.Tahani Derradji <i>Assessment And Mapping Of Soil Erosion Risk Using A Gis/Rusle Approach In The Watersheds Of Northeastern Algeria (Constantinois-Seybouse-Mellègue)</i> |
| 05 | [48P11R-NC] Mr.Gliz Mohamed <i>Estimation Of Land Loss In Semi-Arid Zone By Using Remote Sensing And Gis</i> |
| 06 | [64C11R-NC] Mr.Taabni Mohamed <i>Algerian Steppe Areas And Territorial Planning: Real Geographical And Biophysical Differentiations But Precise Delimitations Pending</i> |
| 07 | [70C11R-NC] Mr.Laouisset Mhamed Bensalah <i>Assessment Of Sensitivity To Desertification In The Middle-Oued-Touil Watershed Using The Medalus Approach</i> |
| 08 | [94P05R-11] Mr.Mohamed Lamine Taleb <i>Status Of The Boussaleh State Forest (Lardjem, Wilaya Of Tissemsilt) Using Normalized Difference Vegetation Index</i> |
| 09 | [18P14R-NC] Mr.Tiour Fahem <i>Impact Assessment Of The Waste Rock From The Boukhadra Mine On Soil Degradation In The Exploitation Area, Tebessa - Algeria.</i> |
| 10 | [26P14R-NC] Ms.Rania Arabi <i>Impact Of Environmental Factors On Some Secondary Metabolites Of Medicinal Plants</i> |
| 11 | [46P14R-NC] Mrs.Rafika Ghanai <i>Effect Of Salt Stress On Growth And Essential Oil Yield Of An Aromatic Plant</i> |
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Poster Session D

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Tuesday, 19 November 15:00 - 15:30H

No. Algeria Time (UTC +1)/ Central European Time (UTC +1)/ Middle East Time (UTC +3)

01	[04P08R-NC] Mr.Rezig Walid <i>Assessment Of The El Kerma Wastewater Treatment Plant'S Performance At The Seor Level By Basin Sizing (Oran)</i>
02	[10P08M-NC] Mr.Bouteldjaoui Fateh <i>Assessment Of Groundwater Quality And Its Suitability For Agricultural Use In The Ain Oussera Plain, Djelfa, Algeria</i>
03	[24P08M-NC] Mr.Omar Elahcene <i>Frequency Analysis Of Precipitation: Case Of The Djelfa Station</i>
04	[34C08R-NC] Mr.Hennia Kaddour <i>Qualitative Management Of Groundwater In Steppe Areas: Case Of The Mio-Plio-Quaternary Aquifer In The Djelfa Syncline (Algeria)</i>
05	[44P08R-NC] Mrs.Hocine Lahouaria <i>Numerical Simulation Of Unsteady Flow Using Explicit Finite-Difference Method</i>
06	[49C08R-NC] Mr.Boukhari Yahia <i>Study Of The Effect Of Irrigation On The Characteristics Of Steppe Soils "Case Of The Irrigated Perimeter Of Zraguet, Wilaya Of Saida"</i>
07	[50P08R-NC] Mr.Tabjoun Ayoub <i>Identification Of Potential Groundwater Storage And Recharge Zones Using Gis, Remote Sensing, And Ahp : A Case Study Of The Chetma Plain, Southeast Algeria</i>
08	[60P08M-NC] Mr.Azouz Bouderbala <i>Assessment Of Climate And Land Use Changes On Groundwater Resources In The Oued Righ Region, Algeria</i>
09	[72P08R-NC] Ms.Aicha Rahmouni <i>The Identification Of Water Resources With Remote Sensing Using Modis Aqua/Terra And Spectral Indices In The Algerian Steppes</i>
10	[80P08R-NC] Mr.Nadjib Haied <i>Climate Change Effect On Water Resources Management In Wadi M'Zi Watershed (Laghout)</i>
11	[83P08R-NC] Mr.Mohamed Azlaoui <i>Groundwater Resource Management In A Semi-Arid Area In Algeria: The Case Of The Ain El Ibel Syncline.</i>
12	[87P08M-NC] Mr.Karef Salah <i>Management Of Wastewater Through The Determination Of Performance Indicators Within Treatment</i>
13	[39P15R-NC] Mrs.Chouarfia Malika <i>Impact Of Climate Change On The Biodiversity In An Artificial Wetland In Laghouat Region Of South Algeria (El Kheneiga)</i>
14	[53P01R-15] Ms.Benabderrahmane Ahlame <i>The Role Of Endozoochria In The Dispersion And Regeneration Of Juniperus Phoenicea In The Central Saharian Atlas –Algeria</i>