

**INTERNATIONAL
SYMPOSIUM ON
SEDIMENT
MANAGEMENT
I2SM TANGIER
2024 PROGAM**

INTERNATIONL SYMPOSIUM ON SEDIMENT MANAGEMENT I2SM TANGER 2024 PROGAM

<i>Day 1 : July, 09th 2024</i>		
13h00 - 17h00	Early registration 08 July 2024	
08h00 - 09h00	Registration 09 July 2024	
Opening Ceremony		
	The national anthem of Morocco	
09h10 - 11h00	Welcome and Brief Introduction to the conference Abdelmalek Essaadi University's president Prof. Bouchta El Mounni Director of IMT Nord Europe Mr. Alain-Louis Schmitt Dean of the Faculty of Science and Technology in Tangier, University Abdelmalek Essaâdi Prof. Mustapha Diani	
	Vice-President of the Tangier Madina District Mrs MCHICHOU Saida	
	Head of the Laboratory of Civil Engineering and GeoEnvironment (LGCgE) Prof. Ali ZAOUI	
	I2SM General Chair. Deputy Director of the Civil Engineering and Geo-Environment Laboratory at IMT Lille-Douai Prof. Nor-Edine Abriak	
	Organizer from FSTT: Professor at the Faculty of Science and Technology. Research Team of Materials, Environment and Sustainable Development, FSTT, Abdelmalek Essaadi Prof. Laila Ben Allal	
	11h00 - 11h30 Coffee Break	
	11h30-12h00	Chairman: Deputy Director of the Center for Education, Research, and Innovation in Materials and Processes, Scientific Leader of the Thematic Group: Organic Sediment Management Prof. Rachid Zentar
Chairwomen: Professor at the Faculty of Science and Technology. Research Team of Materials, Environment and Sustainable Development, FSTT, Abdelmalek Essaadi University, Tetouan Prof. Laila Ben Allal		
Key note speaker: European Commission Belgium Prof. Vincent Basuyau		
12h00-12h30	Key note speaker: Founder and Managing Director of Exo-engineering Prof. William Coulette	
12h30-13h00	Key note speaker: Bhabha Atomic Research Center Prof. Rakesh Kumar Singhal	
13h00-14h30 Lunch Break		
14h30-15h00	Chairman: Lecturer-Researcher – PhD in Mechanics of Materials from the University of Lille (2007) - IMT Nord Europe - CERI Materials and Processes Prof. Frédéric Becquart	
	Chairman: Professor at the Faculty of Science and Technology. Research Team of Materials, Environment and Sustainable Development, FSTT, Abdelmalek Essaadi University, Tetouan Prof. Rabie Fath Allah	
	Key note speaker: Professor of civil engineering at the Université de Lorraine Prof. Mahdia Hattab	
Communications		
15h00-15h10	Alexis Buisson, The Benefits of Using Polymers in Dredging Illustrated by Two Recent Projects, SNCF	
15h15-15h25	Christophe Priez, Christian Raynaud: À Dunkerque, Large-Scale Valorization of Marine Sediments, Colas	

15h30-15h40	Amine Kadiri, Benjamin Constant and Christophe Deboffe: Circular Economy Engineering, Neo Eco
15h45-15h55	Alary Claire, Constant Mel and Billon Gabriel: Prospective Study on Plastic Waste in The Sediments of The Scheldt Canal
16h00 -16h30 Coffee Break	
16h30-16h40	Zakaria HANAFI : Founder of the Moroccan Center for Geopolitical Analysis and Anticipation : Géopolitique de l'eau
16h45-16h55	TESSIER Caroline, SAREMI Sina, CHIRON Thomas, SEDRATI Mouncef, GROSDÉMANGE Didier ⁵ : The Dour Glaz Project: Hydrosediment 3D Modelling of One Year Dumping Operations in Lorient Coastal Waters and Optimisation to Reduce Impact on Sensitive Habitats
17h00-17h10	Tristan DEBUIGNE ² , Delphine HARDY ² , Ilyas ENNAHAL ² , Sami LALLAHEM ² , Keith TORRANCE ¹ , Richard LORD ¹ A Mobile & Continuous Sediment Dehydration and Sand Extraction Pilot to Improve Sediment Reuse Strategies. Case Studies & Results Interpretation, IXANE
17h15-17h25	Mathieu Pillet, Romain Lochu: Biomimetisme Et Chimie Verte: Vers Des Projets De Valorisation Et Depollution Neutre En Carbone, Edaphos Engineering Sa, Suisse Et Valorsites
17h30-17h40	SEDRATI Mouncef, CHIRON Thomas, TESSIER Caroline, GROSDÉMANGE Didier, BULOT Glen, METGE Noé, DALOUR Laura and LE GALL Romain ¹ (Sedrafi monsif) The Dour Glaz Project: Detecting Turbid Plumes of Dredged Sediment by Structure-From-Motion (Sfm) Photogrammetry and In-Situ Measurements
17h45-17h50	Naima BELAYACHI and Brahim ISMAIL: Mechanical and Thermal Behaviour of Lime Straw Biocomposite: Effect of Aggregate Treatment
17h50-18h00	Salim Kourtaa, Morgan Chabannes, Frédéric Becquart, Nor-Edine Abriak: Designing Plant-Based Concretes with Lime-Sediment Binders
<i>End of the day</i>	

INTERNATIONAL SYMPOSIUM ON SEDIMENT MANAGEMENT I2SM TANGER 2024 PROGRAM

<i>Day 2 : July, 10th 2024</i>	
08h00-09h00	Welcome and registration
09h00-10h00	Chairman: Professor at the Faculty of Science and Technology. Research Team of Materials, Environment and Sustainable Development, FSTT, Abdelmalek Essaadi University, Tetouan Prof. Mouhcine Sfaira
	Key note speaker: PhD Engineer, Circular Economy Consultant at CD2E and Bringing together stakeholders in sediment valorization Mr. Cyril Scribot
	Key note speaker: Univ. Bordeaux, CNRS, Bordeaux INP, I2M, UMR 5295, F-33400, Talence, France Prof. Nadia Sayouri
10h00-11h00	Chairman: Professor at the Faculty of Science and Technology. Research Team of Materials, Environment and Sustainable Development, FSTT, Abdelmalek Essaadi University, Tetouan Prof. Jamal Brigui
	Key note speaker: Department of Civil and Building Engineering, Université de Sherbrooke Prof. Patrice Rivard
	Key note speaker: Professor at CY Cergy Paris University Prof. Elhem Ghorbel
11h00-11h30 Coffee Break	
11h30 – 18h00	<i>Parallel Sessions</i>
20h30	<i>Gala diner</i>
<i>End of the day</i>	

**INTERNATIONAL SYMPOSIUM ON SEDIMENT MANAGEMENT
I2SM TANGIER 2024**

SUSTAINABLE SEDIMENT MANAGEMENT /SEDIMENT AND WATER/ DREDGING, TREATMENTS AND REMEDIATION			
ROOM 1 11H30 -18H		10-07-2024 <i>Chairman/Chairwomen: BROWNING Simon, EL MERZGIOUI Mhamed</i>	
<i>Corresponding Author</i>		<i>Title</i>	
PARALLEL SESSION 1	1	Said Essenni	Template Assisted Hydrothermal Synthesis of Bismuth Vanadate for Rhodamine B Photodegradation
	2	Amani Abdallah	Stratégie De Simulation Numérique De Prédiction Du Comportement Des Mortiers Avec Sédiments
	3	Fouzia Kassou	Remblais A La Mer & Teneur En Fines Golfe Arabique
	4	Hamza Beddaa	Assessing The Reuse Potential of Dam Sediment in Self-Consolidating Concrete Production
	5	Mouhamadou Amar	Investigating The Efficiency of The Flash Calcination Method for The Clay Treatment
	6	Thair Mahmood Altaiee	Success Possibility of Sediment Flushing Processes in Mosul Dam Reservoir, Iraq
	7	Fatima Zohra Bouhassane	Efficient Removal of yellow quinoleine Dye from Aqueous Solutions Using modified biomass: Kinetics and Isotherms Modeling Water
	8	Saadia Elhajjami	Study of copper and lead metal contamination in the sediments of the moulouya river, oum er rbia, and sebou, Morocco
	9	Amina Rguibi	Efficient Removal of Anionic Azo Dyes from Aqueous Solution Using Polyaniline@Coacervat Composite
	10	Basma Zarrik	Study of Heavy Metal Cd (II) Adsorption by a Graphene Oxide Based Composite
	11	Abdelilah Essekre	The use of raw and modified acacia leaves for adsorptive removal of crystal violet from water
	12	Duc Chinh CHU	Influence of the Substitution Rate Of Flash-Calcined Sediment On The Mechanical-Microstructural Properties And Durability
	13	Abderrahman HADDANI	Utilisation des sédiments dans les coulis d'injection et de comblement
	14	Jaouad Nadah	Efficiency of Flash Calcination Method for the Sediment Treatment

**INTERNATIONAL SYMPOSIUM ON SEDIMENT MANAGEMENT
I2SM TANGIER 2024**

REUSE, RECOVERY, AND LCA / CIRCULAR ECONOMY STRATEGIES / CHARACTERIZATION AND MONITORING OF PARAMETERS		
11H30 -18H ROOM 2		10-07-2024 <i>Chairman/Chairwomen: FAKIH LANJRI Asmaa, OLEAN Timothy</i>
<i>Corresponding Author</i>		<i>Title</i>
15	Bader Bouzar	Stabilization of soils containing fluorine using hydroxyapatite synthesized from mineral waste

PARALLEL SESSION 2	16	Ilyace Korodowou	Industrial Ecology in Morocco: Wet Laying Composite Filter Membrane Based on Cottonized Sisal Fibers and Recycled Non-Woven Supermarket Bag
	17	Bader Bouzar	Accelerated Carbonation (NaHCO ₃) of fly ash from paper mill sludge for the stabilization of Ba and Pb
	18	Bader Bouzar	Manufacturing and Characterization of Carbonated Lightweight Aggregates from fly ash of paper mill sludge
	19	Elie Mahfoud	Development Of One-Part-Geopolymer Comprised Sediment and Fly Ash Mix Under Different Curing Temperature
	20	Khadija Bazhar	Comparative Study of Heavy Metal Adsorption by Two Moroccan Natural Clays: Trials Aimed at Valorization for Wastewater Treatment
	21	Mohammed Soutana	Valorization of agri-food by-products: extraction and characterization of bioactive molecules
	22	Omar Bougrine	The Effect of Organic Matter Presence on The Performance of A Geopolymer Mortar
	23	Imane Houmia	Removal of Heavy Metals Co, Zn, Cu from Water by Adsorption on Natural Clay: Application of the Experimental Design Methodology
	24	O. Elkhoundafi	Development And Testing of Dedicated Cooling Systems for Photovoltaic Panels
	25	Oussama El Ghali	Synthesis Characterization and Highly Protective Efficiency of Epoxy Prepolymer as a Potential Corrosion Inhibitor for Mild Steel in 1 M HCl
	26	Yassine Hassani	Synergistic Behaviour of Leaded (A+ B) -Brass and Lead-Free A-Brass During Erosion-Corrosion Test At Various Impingement Angle In Simulated Drinking Water
	27	Sarra Sellak	Adsorption of Methylene Blue Dye on Tow Clays Modeling with DFT, MD, and MC Simulations
	28	Hassina Kada	Mechanical and thermo-physical characterization of mortars with uncontaminated marine sediments
	29	Jaouad Bensalah	Corrosion inhibition performance of Amberlite TMIRC-200 extract resin polymeric as a mild steel in 1.0 M HCl: Electrochemical/surface studies (DFT+MC/MD)
	30	Houda Bouziane	Sludge Characterization of Anaerobic Ponds in the IMZOUREN Waste Stabilization Pond (Province of al Hoceima; Mediterranean Moroccan Coast)
	31	Imad El Fellah	The effect of chromium on the chemical and physical properties of industrial sludge based geopolymer
	32	Maryem El Oihabi	Environmental benefits of a Moroccan plant: A Comparative analysis between worldwide and Moroccan studies
	33	Ayoub Simou	Assessing the Environmental and Ecological Consequences of the Wastewater Discharge on Marqala Beach Sediments: Implications for Sustainable Coastal Development
	34	Kaoutar Bahloul	Electrochemical Exploration of Vanadate Glasses For Corrosion Prevention
	35	Yousra Ben Kaddour	Assessing olive oil byproduct for prospective reuse and value addition
36	Khawla Moulato	Environmental impact assessment of sewage sludge use in the production of ceramic bricks based on life cycle analysis	
37	Nabila El Mansouri	The feasibility of integrating biomaterials and natural residues into food packaging	
38	Abdellah Haj Mohand	Exploring innovative approaches for the processing of natural fibers aimed at enhanced utilization	
39	Hajar Jeniah	Influence of Partial Substitution of Sand with PET Particles on the Performance of a geopolymer mortar	
40	Rochdi Ouigua	Synergistic Effects of Iodide ion (I ⁻) and Acacia Raddiana Savi Gum on the Corrosion Inhibition of Mild Steel in 1M Sulfuric Acid Solution	

PARALLEL SESSION 2	41	Imad El Fellah	Solidification/Stabilization mechanism of Cd (II) in industrial waste-based geopolymers
	42	Asmaa Bouabbadi	Study of the Surface Protection Properties of Certain 8-Hydroxyquinoline Derivatives for Mild Steel In 1 M Hydrochloric Acid: Gravimetry, Electrochemistry, SEM And EDX Analyses.
	43	Oumaima Belarbi	Synthesis, characterization and applications for Removing of organic pollutants mb from aqueous Solution
	44	Fatima-Zahra Bouaich	New durable material for refractory bricks: study of physico-mechanical properties
	45	Tarik Boutadghart	MEDT Study of the [4+2] Cycloaddition Reaction between 5R-Furan-2-carboxylic Acid and 1-Methyl-1H-pyrrole-2,5-dione, formation of Products in the New Family of Norcantharimides Substituted by Carboxylic Acids, Anticancer Activity Assessment, Medicinal Potential by Reverse Docking, and ADMET Properties Analysis
	46	Ali Alloul	A Comparative Analysis of Ambient-Cured Metakaolin Geopolymer Mortar and Flash-Calcined Soil Geopolymer
	47	Mohamed Afif Zeggar	Effect of Calcined Sediments on The Mechanical Properties and Rheology of Geopolymers Based on Fly Ash, Slag, and Metasilicate
	48	Mohamed Afif Zeggar	One-Part Geopolymer-Based Sediment with A Single Solid Activator Under Ambient Curing Conditions
	49	Mohamed Afif Zeggar	The Effect of Efflorescence on The Mechanical Properties and Pore Structure of One-Part Geopolymer-Based Sediment
	50	Lamiaie Mardi	Removal of Malachite Green Dye by Catalytic Wet Oxidation Technique Using Ni@Sediment as Catalyst

INTERNATIONAL SYMPOSIUM ON SEDIMENT MANAGEMENT I2SM TANGER 2024 PROGRAM

ENVIRONMENTAL IMPACTS AND REGULATIONS / MARINE POLLUTION AND CLIMATE CHANGE / OPERATIONAL DECISION SUPPORT, MULTI-CRITERIA AND ARTIFICIAL INTELLIGENCE			
<i>11H30 -18H ROOM 3</i>		<i>10-07-2024</i>	
<i>Corresponding Author</i>		<i>Chairman/Chairwomen: SFAIRA Mouhcine, SENOUCI Ahmed</i>	
		<i>Title</i>	
PARALLEL SESSION 3	51	Abdelhadi Bouchikhi	Artificial intelligence (AI) in the circular economy
	52	Oussama Boussalem	Green inhibition of mild steel corrosion in 0.5 M H ₂ SO ₄ using methanolic extract of « pelargonium graveolens »
	53	Ghizlane Doumane	Performance of a green inhibitor against the corrosion of mild steel in 1.0 M HCl. Application to an extract of colocynth seeds rich in alkaloids: extraction, characterization, and electrochemical studies
	54	Ghizlane Doumane	Corrosion Inhibition Performance of Citrullus Colocynthis Seed Oil Extract on Mild Steel In 1,0 M Hcl Acid Using Various Solvents Such as Petroleum Ether (C _{sop}) And Cyclohexan (C _{soc}) Polymeric
	55	A. El Amri	Experimental Study and Control Of The Corrosion Of A Quinazoline Derivative On Mild Steel In Hydrochloric Acid: Mechanisms And Implications
	56	Yousra Rghif	Seasonal Tracking of The Moroccan Mediterranean Coastal Risks In Sidi Kankouch Beach

PARALLEL SESSION 2	57	Ayoub El Barraa	Analysis And Prediction of Climate Forecasts: Based On The Comparison Of Decisionregressor Models Using Python Software In Northern Morocco
	58	Amine Bouhadi	Integration Of Remote Sensing and Machine Learning for Coastal Inundation Risk Assessment
	59	Imane Bakkali	Monitoring heavy metal contamination in marine fish species
	60	Mohammed Chriatt	Drought Assessment in Northern Morocco using SPI and SPEI: Insights from GPM (IMERG) Data
	61	Imane Mehdi	Integration of Life Cycle Assessment with Artificial Intelligence (ANN) for Predicting the Produced Energy and Environmental Impacts of Sugar Beet Cultivation
	62	S. Lachaal	Le profil épidémiologique des infections associées aux soins Au niveau de centre hospitalier régional Mohamed V Tanger
	63	Imane Mehdi	Determination and Modeling of Energy Consumption in Sugar Cane Production Using ANN
	64	Sabira Ben Moussa	The impact of climate change on dam filling rates in northern Morocco
	65	Inass Zayani	Soil Organic Carbon Storage in Agroforestry Systems of Morocco
<i>End of the day</i>			

INTERNATIONAL SYMPOSIUM ON SEDIMENT MANAGEMENT I2SM TANGIER 2024

Day 3 : Jul, 11th 2024	
09h00-13h00	Visit to the Tangier Med port (limited places)
18h00	Tangier city tour bus (limited places)
<i>End of the day</i>	

