



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

GENERAL PROGRAM	
Saturday, 21 May 2022 (Online, Time zone : GMT+1)	
09H-10H	<p>Opening Ceremony (Online) Link : https://meet.google.com/xtb-pybr-fcf</p> <p>National Centre for Scientific and Technical Research, Morocco</p> <p>Nişantaşı University, Turkey</p> <p>Moroccan Association for Applied Sciences and Innovation</p> <p>Chairs of Scientific Week 2nd Edition</p> <p>Opening Keynote : Link : https://meet.google.com/xtb-pybr-fcf IMIST "IMIST services for Moroccan Researchers"</p>
10H-12H	<p>Plenary Session 1 Link : https://meet.google.com/xtb-pybr-fcf Chairs : Pr. Aniss MOUMEN (ENSA, Kenitra), Pr. Hajar SLIMANI (ENCG Meknes), Pr. Lamia DAGHOR (UPM, Marrakech), Pr. Rajaa SAIDI (INSEA, Rabat), Pr. Brahim ELBHIRI (EMSI, Rabat), Pr. Nezha MEJJAD (FSBM Casablanca)</p> <p>"Integrated assessments for Venice Lagoon ecological resilience" Pr. Donata CANU, National Institute of Oceanography and Experimental Geophysics - OGS, Trieste, Italy</p> <p>"Importance of natural products in development: Research / Development / Innovation" Pr. Mohammed HMAMOUCI, School of Medicine and Pharmacy, Mohammed V University, Rabat, Morocco, Editor of Arabian Journal of Medicinal and Aromatic Plants (AJMAP)</p> <p>"How to Encourage Female Entrepreneurship ?" Pr. Lala Omnia HASSANI SBAI, ENCG Meknes, Moulay Ismail University, Meknes, Morocco</p> <p>"Artificial Intelligence: Applications, Challenges, and Research Directions" Pr. Naima KAABOUCH, Director of the Artificial Intelligence Research (AIR) Institute, University of North Dakota</p>
	<i>Break</i>

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

14H-18H	<p>Parallel Communication Sessions 1</p> <p>Session BML.1 : Big Data & Machine learning Link : https://meet.google.com/yqf-udut-gqs</p> <p>Session GES.1 : Geography and Environment/ Turkish Researchers Session Link : https://meet.google.com/eds-xndf-prk</p> <p>Session CBS.1 : Chemistry Research Link : https://meet.google.com/zid-rzqf-kuw</p> <p>Session CBS.1 : Biology and Medical Research Link : https://meet.google.com/dro-qczh-dyy</p> <p>Session QQR.1 : Management Research Link : https://meet.google.com/mcx-ofjs-brc</p> <p>Session WES.1 : Earth Sciences Link : https://meet.google.com/sxq-onyu-gsf</p> <p>Session PES.1 : Physical Research Link : https://meet.google.com/wqm-pxsn-kot</p>
<p>Sunday, 22 May 2022 (Online, Time zone : GMT+1)</p>	
09H-10H	<p>Plenary Session 2</p> <p>Link : https://meet.google.com/xtb-pybr-fcf</p> <p>Chairs : Pr. Bouabid EL MANSOURI (FS Kenitra), Pr. Mohamed EL BOUHADDIOUI (ENSM Rabat), Pr. Lamia DAGHOR (UPM Marrakech), Pr. Nezha MEJJAD (FSBM Casablanca)</p> <p>"Valorization of dredged materials as a sustainable construction resource: an Overview"</p> <p>Dr. Amine EL MAHDI SAFHI, Mohammed VI Polytechnic University, Bengurir, Morocco.</p> <p>"Environmental disturbances of floodplain and in-river sand mining - Inferences from Southern Romanian rivers?"</p> <p>Pr. Gabriela Adina MOROȘANU, University of Bucharest, Faculty of Geography, Romania;</p> <p>« University FABLABs: Health and Sustainable Development »</p> <p>Pr. Hicham CHATOU Private University of Marrakech, Marrakech, Morocco.</p>
11H-13H	<p>Parallel Communication Sessions 2</p> <p>Session GES.2 : Geography and Environment Link : https://meet.google.com/eds-xndf-prk</p> <p>Session CBS.2 : Chemistry Research Link : https://meet.google.com/zid-rzqf-kuw</p> <p>Session CBS.2 : Biology and Medical Research Link : https://meet.google.com/dro-qczh-dyy</p> <p>Session QQR.2 : Finance Research Link : https://meet.google.com/mcx-ofjs-brc</p> <p>Session QQR.3 : Social Research Link : https://meet.google.com/ntd-xhqk-fgb</p> <p>Session BML.2 : BigData & Machine Learning Link : https://meet.google.com/yqf-udut-gqs</p> <p>Session AMS.1 : Statistic and Mathematics Research Link : https://meet.google.com/man-mfum-cry</p>
<p><i>Break</i></p>	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

14H-18H	<p>Parallel Communication Sessions 3</p> <p>Session CBS.3 : Biology and Medical Research (1) Link : https://meet.google.com/dro-qczh-dyy</p> <p>Session CBS.4 : Biology and Medical Research (2) Link : https://meet.google.com/zid-rzqf-kuw</p> <p>Session QQR.4 : Management Research Link : https://meet.google.com/mcx-ofjs-brc</p> <p>Session WES.2 : Water Sciences Link : https://meet.google.com/sxq-onyu-gsf</p> <p>Session PES.2 : Engineering Research Link : https://meet.google.com/wqm-pxsn-kot</p> <p>Session GES.3 : Geography and Environment Link : https://meet.google.com/eds-xndf-prk</p> <p>Workshop : Bigdata and Machine learning Link : https://meet.google.com/yqf-udut-ggs Topic : "Object Detection" Animated by : Dr. Hichem Felout</p>
<p>Monday, 23 May 2022 (Online, Time zone: GMT+1) – YEMENI RESEARCH DAY</p>	
10H-11H	<p>Plenary Session 3</p> <p>Link : https://meet.google.com/xtb-pybr-fcf</p> <p>Ezzedine Saïd Alasbahi, His Excellency the Ambassador of the Republic of Yemen (Our guest country in this edition)</p> <p>"Machine Learning Approaches for Stratification of Parkinson's Disease" Pr. Shridhar DEVAMANE, Global Academy of Technology, Bangalore, India</p> <p>« Geosciences and Machine Learning : an overview » Pr. Abdelaziz Mridekh, Ibn Tofail University, Kenitra, Morocco</p>
11H-12H	<p>Communication Sessions 4 - Yemeni Research Day</p> <p>Link : https://meet.google.com/xtb-pybr-fcf</p>
<p style="text-align: center;"><i>Break</i></p>	
<p>Tuesday, 24 May 2022 (Face to face) (Istanbul, Time zone GMT+03:00)</p>	
09H-18H	<p><u>Travelling (Airport Med V, Casablanca to Istanbul)</u> <u>Transfer from Airport to "GRAND YAVUZ HOTEL ISTANBUL"</u></p>
<p style="text-align: center;">Welcome cocktail (GRAND YAVUZ HOTEL ISTANBUL)</p>	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION
Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Wednesday, 25 May 2022 (Face to face) (Istanbul, **Time zone: GMT+3**)
"Nişantaşı University, Istanbul, Turkey"

09H30-12H30	<p>Welcome Ceremony (<u>Nişantaşı University, Istanbul</u>) Link : https://meet.google.com/xtb-pybr-fcf Rector of Nişantaşı University Rector of İzmir Institute of Technology Dean of El-Bab Faculty of Economics and Administrative Sciences, Gaziantep University Turkish Academy of Sciences Moroccan Association for Applied Sciences and Innovation - MAASI Chairs of Scientific Week 2nd Edition</p>
	<p>Coffee Break</p> <p>Round Table (<u>Nişantaşı University, Istanbul</u>): Topic : "Scientific Cooperation Morocco - Turkish" Link: https://meet.google.com/xtb-pybr-fcf</p> <p>"Analysis of collaboration opportunities between Moroccan and Turkish researchers" CNRST, Morocco</p> <p>"Institutional collaboration framework between CNRST and TUBITAK" CNRST, Morocco</p> <p>"Overview of the scientific production of OIC in recent years" Pr. Belkhir HAMMOUTI, Mohamed 1st University, Oujda, Morocco Pr. Hanane LRHOUL, School of Information Sciences, Rabat, Morocco</p>
	<p>Discussion</p>
12H30 - 13H30	<p>Lunch Break/Optional Participation in the International Day of Malgrebian Students</p>
13H30-14H30	<p>Mini Concert by Nişantaşı University Conservatory Lecturers</p>

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

14H30-18H	<p style="text-align: center;">Plenary Session 1</p> <p style="text-align: center;">Link: https://meet.google.com/xtb-pybr-fcf</p> <p style="text-align: center;">Chairs : Pr. Aniss MOUMEN (ENSA Kenitra), Pr. Mohamed EL BOUHADDIOUI (ENSM Rabat), Dr. Nezha MEJJAD (FSMB Casablanca)</p> <p style="text-align: center;">"Geological controls on geothermal energy sources: a case study of Türkiye"</p> <p style="text-align: center;">Dr. Taygun UZELLI, Izmir Institute of Technology, Izmir, Turkey</p> <p>Parallel Communication Sessions 1 (Nişantaşı University, Istanbul) Session BML & PES.1 : Big Data, Modelling & Machine learning</p> <p>Parallel Communication Sessions 2 (Nişantaşı University, Istanbul) Session CBS.1 : Biology and Chemistry Research</p> <p>Parallel Communication Sessions 3 (Nişantaşı University, Istanbul) Session WES.1 : Water, Earth and Environment Research</p> <p>Parallel Communication Sessions 4 (Nişantaşı University, Istanbul) Session QQR.1 : Management and Social Research</p>
	Closing cocktail of 1st Day (Grand Yavuz Hotel)
	Thursday, 26 May 2022 (Face to face) (Istanbul, Time zone: GMT+3) "GRAND YAVUZ HOTEL ISTANBUL"
18H-21H	Closing cocktail/Closing Ceremony Link : https://meet.google.com/xtb-pybr-fcf Awards for best communications and papers
	Gala Dinner ("Grand yavuz hotel Istanbul")
	From Thursday 26 May to Monday 30 May 2022
	Social program (according to agency program) Excursion
	Tuesday, 31 May 2022 Transfer from Hotel to Istanbul Airport Back to Home

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Instruction to participants

- The duration of each presentation is between 10 and 15 minutes (including discussion).
- A PPT template has been sent by email.
- The official languages of this event are Arabic, French and English. However, we recommend "English".
- For all participants (virtual and face-to-face), make a video recording (duration between 6 to 8 minutes) of your presentation and share its link with "Edition permission" through this form before **18 May 2022**: <https://forms.gle/BZeQsNYz5ttZGSBM9>.
- All videos will be shared with the public through MAASI Youtube Channel and will be used during the conferences if there are any technical problems.
URL of MAASI Channel:
https://www.youtube.com/channel/UCRQYXxJw_r5cInv9FU_968g
- Chairs will ensure each author's presentation order and time allocation (presentation and discussion).
- The links to the virtual sessions are mentioned in the program.
- All virtual sessions will be video recorded. Please use the microphone/camera only when necessary and make arrangements for a better presentation.
- During Virtual sessions, avoid sharing your computer screen only at the time of your presentation.
- There will be better communication per session and better paper, according to the chair's evaluation.
- The certificate will be provided only to the authors who present their work.
- The certificates will be sent by email at the end of all virtual sessions.
- For face-to-face participants, they will receive here certificate in place.
- For foreign face to face participants (not residing in turkey), here is the form to fill out before **19 May 2022**, with all your travel details: <https://forms.gle/ZFtN2vYrH7My7mOg7>

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

SESSIONS PROGRAM

21 May 2022

14:00-18:00 (Time zone: GMT+1)

VIRTUAL

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 1 : Saturday, 21 May 2022 (Online)		
Google meet	https://meet.google.com/vqf-udut-gqs		
Session	Session BML.1 : Big Data & Machine learning		
Chairs	Pr. Aniss MOUMEN (ENSA Kenitra), Pr. Mohamed ZOUITEN (FP Taza), Pr. Imane SATAURI (ENCG Fez),		
Hour	ID	Authors	Title
14:00 - 18:00	5	Slimane Ennajar, Walid Bouarifi and Anouar Dalli	Intelligent student Attendance System using CNN and deep transfer learning: A review
	7	Hasna Chamlal, Asmaa Benzmane and Tayeb Ouaderhman	Interaction Screening Algorithm for a Category of Ultra-High Dimensional Regression Models
	8	Khaoula Ait Rai, Mustapha Machkour, Tarik Agouti and Jilali Antari	Objective weighting methods combined with TOPSIS and their effects on ranking nodes in social networks
	12	Imane Rhzioual Berrada, Fatima Zohra Barramou and Omar Bachir Alami	Intelligent banking with big data analytics and machine learning
	15	Mohamed Badiy, Fatima Amounas and Moha Hajar	Efficient methodology for enhancing the accuracy of the supervised link prediction model using feature learning methods
	17	Fatima Zahra Belkadi and Redouane Esbai	Big data in the COVID19 era: automatic generation of graph-oriented NoSQL databases.
	22	Youssef Ouassit, Soufiane Ardchir, Mohammed Yassine El Ghoumari and Mohamed Azzouazi	Weakly supervised patchwise model for medical image segmentation
	23	Bouni Mohamed, Badr Hssina, Douzi Khadija and Samira Douzi	Big Data in Precision Agriculture: A comprehensive Review
	26	Mohamed Cherradi and Anass El Haddadi	Metadata modeling for data lakes based on dynamic ontologies
	28	Khadija Elkinani, Salma Bendaoud and Fatima Amounas	A New hybrid Compression-Encryption Scheme for improving the Security of Multimedia data using Wavelet and ECC
	32	Mohammed Bourzik, Ahmed Elhilali Alaoui and Abdelmajid Hilali	The Profitable Gates Location on the Highway of the Dynamic Wireless Charging Transmitter for the Electric Vehicles
	33	Lahcen Hamouti, Omar Elfarissi, Omar Outemsaa and Maryam Laouardi	Artificial model characterizing the tensile behavior of a 3D printed PLA model and comparison with the experimental model
41	Yassine Taleb Ahmad, Amine Zaimi and Ilham Oumaira	Assessment in e-learning systems Feedback on the adoption of peer assessment for the correction of continuous control in algorithmic and programming	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

	40	Mouad Elmouzoun Elidrissi, Elmaati Essoukaki, Lhoucine Ben Taleb, Azeddine Mouhsen and Mohammed Harmouchi	A Novel Hybrid Model for the Detection of Drivers' Drowsiness Based on EEG Signals and personalized Extra-Trees Classification
	42	Youness Foukhari, Mohamed Sammouda and Mohamed Driouich	Heat Transfer Improvement by Natural Convection in an Annular Partial Porous Space Saturated by Different Nanofluids
	10	Wijdan Amakhchan, Fayez Tarsha Kurdi, Zahra Gharineiat, Boulaassal Hakim and El Kharki Omar	Automatic Filtering of LiDAR Building Point Cloud Using Multilayer Perceptron Neuron Network

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 1 : Saturday, 21 May 2022 (Online)		
Google meet	https://meet.google.com/eds-xndf-prk		
Session	Session GES.1 : Geography and Environment		
Chairs	Pr. Nezha MEJJAD (FSBM Casablanca), Pr. Ikram Loukili (UM6P)		
Hour	ID	Authors	Title
14:00 - 18:00	1T	Serhat Tonkul, Alper BABA, Mustafa M. DEMIR, Simona REGENSPURG	Technical Problems Encountered in Geothermal Power Plants
	2T	Ozge Yaren TURKSEVEN, Esra BILGIC, Bahadir OZTURK, Taygun UZELLI, Alper BABA	Hydrogeology and Urbanization: Case Study from İzmir Metropolitan Area (Türkiye)
	3T	Tugce ISIK, Elif UGURLU SAGIN	Material Characteristics of Historical Byzantine Period Structures with Geographical Approach
	4T	Selen GULER, Hulya YUCEER, Alper BABA, Yasemin OZCAN GONULAL, Ozan USTUK, Deniz GERCEK, Taygun UZELLI	Water Heritage for Future: The Groundwater Route of Peninsula (İzmir, Türkiye)
	5T	Onur Gungor SAHIN, Orhan GUNDUZ	Determination of Soil Moisture Profile and Recharge Estimation Using Remote Sensing
	6T	Bersu AYRUS, Kerem HEPDENIZ	Avalanche Risk Assessment Case Study: Salda Ski-Center (Burdur, Türkiye)
	7T	Bensu ERDOGAN, Bersu AYRUS, Stefano SALATA	An Ecosystem Analysis Example: Çiğli (İzmir, Türkiye)
	8T	Aysegul Yagmur GOREN, Hatice ESER OKTEN	Energy Production from Wastewater and Boron Removal in Geothermal Water using Novel Microbial Desalination Cell with 3D Sponge Electrode
	9T	Tuğçe SEZGIN, Altan OZKAN	Historical lime mortars and provenance of their raw materials with geographical approach
	5	Youssef Idrissi, Oumaima Talbi, Essediya Cherkaoui, Abderrahman Nounah and Mohamed Khamar	Impact of the de-pollution project on the quality of the coastal zone: Rabat-Salé region
8	Imane Naboulsi, Reda Ben Mrid, Abdelhamid Ennoury, Zakia Zouaoui, Mohammed Nhiri, Abdelaziz Yasri and Aziz Aboulmohajir	The biostimulation effect of Crataegus Oxyacantha extracts to enhance salt tolerance in tomato plants	
9	Ghizlane Elkafz, Ayoub Doughmi, Essediya Cherkaoui, Mohamed Khamar, Fatima Benradi and Abderrahman Nounah	Characterization of two Olive Mill Wastewater for agricultural valorization	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

	10	Ayoub Doughmi, Ghizlane Elkafz, Fatima Benradi, Essediya Cherkaoui, Mohamed Khamar, Abderrahman Nounah and Abdelmjid Zouahri	Fertilizing power evaluation of different mixtures of organic waste composts
	12	Chaima Imam, Mohamed Chaibi, Fatima El Bchari, Abdessamad Charif, Mohamed Ayt Ougougdal and Halima Ait Malek	Coastal geohazards related to cliff instability: case of the coastal cliffs of Safi (Morocco)
	15	Manal Brik and Said Sghir	The policies of territorial attractiveness of the city of Rabat: How culture contributes to the transformation of the urban landscape?

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 1 : Saturday, 21 May 2022 (Online)		
Google meet	https://meet.google.com/zid-rzqf-kuw		
Session	Session CBS.1 : Chemistry Research		
Chairs	Pr. Oumaima JAMAL EDDINE, Pr. Fatiha MOUGHAOU, Pr. Maria EL ARBAOUI, Pr. Tarek CHTOUKI (EST Kénitra), Pr. Khalid NOUNEH (FS Kenitra),		
Hour	ID	Authors	Title
14:00 - 18:00	11	Yousra Seqqat	Synthesis of new quinoxaline-2,3-dione derivatives for biological activities
	19	Aicha Naboulsi, Hicham Yazid, Mohammadine El Haddad and Mamoune El Himri	The use of activated carbon as a new biosorbent material in eliminating pesticide 2,4,5-T
	32	Houda Lamssane and Omar Abdellaoui	Synthesis and characterization of new imidazolidine-2,4-dione derivatives
	34	Omar Abdellaoui and Houda Lamssane	Novel cationic surfactant based on isatin, Synthesis, characterization and micellization property
	35/ 20G	Ahlam Essate, Brahim Achiou and Ouammou Mohamed	Development of polysulfone/polystyrene ultrafiltration membrane on pozzolan support for organic dyes removal
	39	Bahia Abdelfattah and Mohamed Khaddor	Evaluation and valorization of the chemical composition of a medicinal plant "Cistus ladaniferus" in the North of Morocco
	44	Z.Chafiq El Idrissi, D. El machtani Idrissi, B. Achiou, Y. Kouzi, S. Tahirib M. Ouammou S. Alami Younssi	Excellent adsorption of Cu (II) using NaP zeolite adsorbent synthesized from fly ash: Kinetic, isotherm and thermodynamic studies
	49	Doha El Machtani Idrissi, Zakaria Chafiq El Idrissi and Hind Jazi	The treatment of laundry wastewater by a green and low-cost microfiltration membrane made from the mixture of natural geo-materials
	68	Morad Oubouali, Mohamed Ellaite, Ayoub Hannaoui, Fouzia Kzaiber, Abdelkhalek Oussama and Khalid Boutoial	Sorption isotherm properties of date (Majhoul variety)
	77	Ikhlas Hani Chennoufi, Chorouk Zanane, Mehdi Ameslek, Hafida Zahir, Mostafa El Louali and Hassan Latrache	Physical decontamination methods for facemasks used in the covid-19 pandemic
	90	Youssef Zarki, Faiza Chaouket, Ahmed Ait Aghzzaf, Khalid Draoui, Ihssane Raissouni, Dounia Bouchta and Mohammad Elmourabit	Enhanced Corrosion Resistance of carbon steel by Modified Mg–Al-Layered Double Hydroxide
108	Meryem Sahnoun, Mohamed Dakir, Faouzi Errachidi, Fatimazehraa Moukhfi, Fatimazehra Kadiri and Nour-Eddine Chadli	Chemical composition, antioxidant and antimicrobial activities of essential oil of Moroccan Citrus limonum	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 1 : Saturday, 21 May 2022 (Online)		
Google meet	https://meet.google.com/dro-qczh-dyy		
Session	Session CBS.2 : Biology and Medical Research		
Chairs	Pr. Lamia DAGHOR, Pr. Moulay Hicham EL AMRANI		
Hour	ID	Authors	Title
14:00 - 18:00	2	Rafik Aniba, Barguigua Abouddihaj, Dihmane Asmaa, Nayme Kaotar and Timinouni Mohamed	Prevalence, Associated Factors and Antibiotics resistance of Staphylococci Isolated from Patients with Urinary Tract Infection in Casablanca, Morocco
	3	Rafik Aniba, Barguigua Abouddihaj, Dihmane Asmaa, Nayme Kaotar and Timinouni Mohamed	Profil de l'antibiorésistance de Staphylococcus aureus isolé de produits pathologiques
	4	Mohammed Bouhadi, M'Hammed Elkouali, Mohammed Talbi, Tarik Ainane and Hassan Fougrach	Cr(VI) uptake kinetics and its effects on growth and physiological parameters of five types of legumes: Faba bean (<i>Vicia faba</i> L.), Chickpea (<i>Cicer arietinum</i> L.), Pea (<i>Pisum sativum</i> L.), Lentil (<i>Lens culinaris</i> L.) and Common bean (<i>Phaseolus vulgaris</i> L.)
	8	Nour El Houda Benkaddour, Bouchra Oneib, Naima Abda and Yassamine Bentata	Young Adults and COVID-19 Vaccination: Mohammed First University's Students as a Sample
	14	Hajar Tebbaai, Said Byadi and Hayat El Harafi	QSAR ANTIBACTERIAL ACTIVITY PREDICTION OF SOME CURCUMIN DERIVATIVES USING K-PLS APPROACH AND BINARY FINGERPRINTS
	17	Hamid El Oirdi, Amina Bouziani, Aziz Eloirdi, Khadija El Kharrim and <u>Belghyti Driss</u>	impact of physical activity on the school performance of Moroccan adolescents
	18	Asmae Sellam, Yahya Rokni, Nora Hamdaoui, Ibtissame Khalid and Mustapha Meziane	Phenotypic identification of lactic acid bacteria isolated from raw cow milk in Oujda, Morocco
	20	Mounime Kadi, Ali Berraouan, Abderrahim Ziyat and Abdelkhaleq Legssyer	Investigation of the cardioprotective effect of the aqueous extract of a medicinal plant used in the treatment of arterial hypertension in eastern Morocco
	21	Michelle Gaëlle Siméone Bidima, Nouredine Chtaina, Brahim Ezzahiri, Mohammed El Guilli and Ilham Barakat	Antifungal activity of antagonist bacteria in the biological control of <i>Sclerotium rolfsii</i> Sacc
	25	Khaoula Mkhayar and Souad Elkhatabi	Quantitative structure-activity relationship studies (QSAR) of inhibition of protein tyrosine kinase C-met by molecules derived from cyclohexane-1,3-dione
31	Barakat Ilham, Chtaina Nouredine, Taha El Kamli, Philippe Grappin,	Antifungal activity of <i>Trichoderma harzianum</i> peptaibols on <i>Zymoseptoria tritici</i> , the causal agent of septoria leaf blotch of wheat	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

	Mohammed El Guilli and Brahim Ezzahiri	
33	Ibtissame Khalid, Nora Hamdaoui, Asmae Sellam, Mustapha Meziane and Moussa Elayachi	HUMAN MILK MICROBIOTA: Classical identification of lactic acid bacteria genera isolated from mature breast milk
41	Aziz Zouhri, Naoual El Menyiy and Lhoussain Hajji	Evaluation of Antioxidant Properties and photo-protective effects of Sesamum Indicum

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 1 : Saturday, 21 May 2022 (Online)		
Google meet	https://meet.google.com/mcx-ofjs-brc		
Session	Session QQR.1 : Management Research		
Chairs	Pr. Hajar SLIMANI (ENCG Meknès), Pr. Kaoutar MOUDDEN (ENCG Kenitra), Pr. Bahia ABOUESSOUOD (ENCG Settat)		
Hour	ID	Authors	Title
14:00 - 18:00	3	Mouna El Mousadik and Soukaina Boutaky	Impact of CSR practices on Human Resources performance during the COVID-19 pandemic: the case of Moroccan companies labeled with the CSR Label
	9	Makni Turki Amal and Triki Ellouze Molka	Epistemological currents in management sciences
	12	Amal Makni Turki and Temessek Behi Azza	Qualitative Research Method and Netnography: What synergy ?
	13	Triki Ellouze Molka and El Aoud Nibrass	Qualitative meta-synthesis as a scientific approach to knowledge synthesis
	20	Nouha Amrani, Sadik Mohammed, Yousra Chnigri and Hemmi Mohamed	Local Public Action Instruments: A Cross-sectional Look at the Municipal Action Plan of the Moroccan Municipalities
	28	Kaoutar Ghafiki, Benaissa Kissi and Hassan Aaya	Formalized and systemic process of risk management for construction projects
	31	Manal Benatiya Andaloussi, Rachida El Yamani and Mohammed Moutmihi	Operationalizing CSR management: a conceptual framework
	42	Ikram Boudallaa, Rachid Elkachradi and Abdillah Kadouri	Change management in hospitals: a way to learn
	44	Sara Mantouzi and Said Youssef	COVID 19: The impact of digitalization on business performance
	45	Nasredine Fathelkhir, Said Karam and Othman Gaga	Corporate governance theorizing, board of directors, audit committee effectiveness and financial performance: a literature review and proposed conceptual framework
	51	Fatima Ezzahra Boussehaib and Nouredine Belhsen	Information Sharing in Supply Chain Management : A Meta Analysis
	53	Yasmina Alami and Salima Jazi	Opinion Leaders: Literature Review
	58	Karima El-Mouhdi, Samia Boussaa and Hnanaa Aït-Taleb Lahsen	Reasoning in Professional Education: Teaching/Learning Strategies in Health Sciences (Case of Nursing)
60	Ikram Boudallaa, Rachid Elkachradi and Abdillah Kadouri	Knowledge mapping, the key to better knowledge management	
65	Karima El Balbal and Soumia Omari	Marketing at the service of socially responsible start-ups: a case study of the company Cleanzy	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

Date	Day 1 : Saturday, 21 May 2022 (Online)		
Google meet	https://meet.google.com/sxq-onyu-gsf		
Session	Session WES. 1 : Earth Sciences		
Chairs	Pr. Mohammed ACHALHI (ENSMR) & Pr. Abdelaziz EL BASBAS (ENSMR)		
Hour	ID	Authors	Title
14:00 - 18:00	1	Anas Charbaoui	Contribution of the analysis of borehole, gravity and VES data in the study of the geological structures of the Bahira basin (Central Morocco)
	5	Sanae Bel-Lahbib and Khalid Ibno Namr	Impact of agricultural practices on soil properties for evaluating soil quality in intensive irrigated area, Doukkala plain, Morocco
	12	Othmane Lamrani, Mohamed Amine Nguidi, Ayoub Aabi, Samir Samaoui, Abdellah Boushaba and Mohammed Belkasmi	Mineralogy, Geochemistry and Genesis of Providencia Bentonite Deposit, Eastern Rif Belt, Morocco
	13	Samir Samaoui, Ayoub Aabi, Othmane Lamrani and Abdellah Boushaba	Tectonic control of Barite-bearing structures in the Ougnat massif (Eastern Anti-Atlas) : An integrated approach using remote sensing and structural field data.
	15	Hanane Khaffou, Touria Hssaida and Abdelkarim Afenzar	Etude palynologique du toarcien du bassin d'Er-Rachidia (haut atlas central) : Palynostratigraphie et paléoenvironnement
	17	Jihad Rahmouna, Nadia Barhoun, Ahmed Rachid, Hannane Bahaj, Naima Berry and Soukaina Targhi	Late Miocene Paleoenvironmental Changes in the Western corridor Rifian (NE Morocco)
	18	Ali Bouayachi, Saida Alikouss, Zouhir Baroudi, Youssef Zerhouni, Mohammed Zouhair, Hamid Dani, Assia El Idrissi and Essalhi Mourad	Contribution of ICP-MS and ionic geochemistry to the comprehension of the enrichment of silver in the Imiter Polymetallic deposit (Saghro Anti-Atlas Morocco)
	19	Ahlam Essate, Brahim Achiou and Mohamed Ouammou	Preparation of mixed matrix membrane made of Polystyrene/NaA zeolite deposited on pozzolan support for water treatment
	33	Yassine Et-Tayea, Achraf Harrati, Ahmed Rachid, Hicham Nasri and Chaouki Sadik	Mineralogical, geotechnical and physico-chemical investigations of Bentonite rich raw materials from the eastern Rif region (Nador-Morocco): A comparison study
	38	Hayate Er-Ratili, Mohamed Edahbi and El Mostapha Rakib	Prediction of Mineralogical and Geochemical Behaviour of Mining Wastes from an Abandoned Mine Site in The Beni Mellal-Khenifra Region, Morocco

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

39	Y. Kouzi, Z.Chafiq El Idrissi, D. El machtani Idrissi, B. Achiou, S. Tahiri, M. Ouammou, S. Alami Younssi	Excellent adsorption of Cu (II) using NaP zeolite adsorbent synthesized from fly ash: Kinetic, isotherm and thermodynamic studies
50	Ibrahim Bouazama, Abdellah Nait-Bba, Ayoub Aabi, Younes Hejja, Said Oumoua, Lahssen Baidder and Mohammed Raji	The role of structural inheritance in the present-day tectonic configuration of the Moroccan Meseta Coastal-Block: Insights from aeromagnetic and morpho-structural data
54	Gueddari Hicham	Groundwater vulnerability assessment to pollution of groundwater in the Kert Plain, northeastern Morocco: A comparative method study (GOD and DRASTIC)
55	Mohamed El Hilali, Youssef Timoulali, Taj Benyounes and Mohamed Ahniche	The seismic vulnerability of existing buildings and site effect in the martil city, north morocco
34	Bahaj Hanane, Rahmouna Jihad, Berry Naima, Targhi Soukaina, Barhoun Nadia, Bachiri Taoufiq Naima and Essamoud Rachid	Paleoenvironmental conditions preceding the Messinian Salinity Crisis in the Boudinar Basin (NE, Morocco)
61	Samira El Aouidi, Omar Ait Malek, Nezha Mejjad, Abdelmourhit Laissaoui and Said Fakhi	Rare earth element (REE) geochemistry of the oil shale from the Ama Fatma Coastal Site in the Southwest of Morocco

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 1 : Saturday, 21 May 2022 (Online)		
Google meet	https://meet.google.com/wqm-pxsn-kot		
Session	PES & Physical Research		
Chairs	Pr. Saad AOUATIF (ENSA Kenitra), Pr. Abdelali TALBI (FS Kénitra), Pr. Mounia ZEMAMOU (FS Kenitra), Pr. Sara MTOUGUI (FS Rabat). Pr. Alae AZOUZOUTE (EST, Salé)		
Hour	ID	Authors	Title
14:00 - 18:00	55	Salaheddine Filali, Youness Zouine and Aouatif Saad	Impact of the assumptions used in the brush tire model on its accuracy
	11	Khadija El Ainaoui, Mhammed Zaimi, Hicham El Achouby and El Mahdi Assaid	Analysis of simultaneous effects of temperature and irradiance on physical parameters and PV metrics of a solar module operating under non standard conditions
	13	Saad El Fallah, Jaouad Kharbach, Hicham Ben Sassi, Abdellah Rezzouk and Mohammed Ouazzani Jamil	SOC estimation of Lithium-ion battery: Simulation and Comparative study of machine learning based modeling methods
	20	Oumaima El Hassani and Adil Saadi	Design and analysis of a Super-Wideband slotted patch antenna by introducing graphene material for THz applications
	22	Nour El Houda Nasri, Mohammed El Ghzaoui and Mohammed Fattah	An Orthogonal 2-port MIMO Antenna for 5G Applications
	24	Aicha Idoum, Lahcen Bammou, Ahmed Aharoune	Recycling of agricultural waste as additives for red bricks
	25	Mohammed El Ghamari, Jaouad Kharbach, Walid Chatar, Mohamed Benkhali, Abdellah Rezzouk and Mohammed Ouazzani-Jamil	Optimization of the detection of true chaotic and regular behavior of anharmonic oscillators with a quartic perturbation
	26	Asmae El Jaouhari, Majda Rehali and Jabir Arif	Process innovation via IoT technology, lean practice and green supply chains
	27	Yousef El Asri, Mouhcine Ben Aicha, Mounir Zaher and Adil Hafidi Alaoui	Comparative study between Random Forest Algorithm and Artificial Neural Networks techniques: case of SCC.
	33	El Mehdi Berra and Faraji Mustapha	Numerical simulation of natural convection in a cavity heated by a heat source using the Lattice Boltzmann Method: The optimal aspect ratio
34	Wissal Assassi, Said Guedira, Samira Chebli and Soumia El Hani	Comparison between the magnetic characteristics of three types of magnetic rails by finite element software and implementation of a dimensioning application for the Halbach rail.	
45	Idrissa Ouedraogo, Latifa Ouadif and Anas Bahi	Geotechnical behavior of a soft diaphragm wall crossing a thick layer of alluvium and geometrically based design improvement to mitigate localized stresses and distortions	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

51	Jamal Mestoui, Mohammed El Ghzaoui and Abdelhak Bendali	Design of Bandpass Filter for RF bands below 6 GHz for 5G Applications
53	Serghini Elaage, Mohammed Elghzaoui and Nabil Mrani	On the Radio Transmission Chain for THz Bands
57	Touria Haidi, Zineb El Idrissi, Bouchra Cheddadi, Faissal Elmariami, Ali Tarraq and Doha Bouabdallaoui	An overview of the Development of Electrical Energy in the World with Focus on Wind Energy
60	Amila Ibrahim, Janati Idrissi Mohammed, Fedoul Abdelaziz and Chatwiti Abdelhafid	An Alternative Method to Determine Vibrational Energy Levels and Spectroscopic Constants of Diatomic Systems
62	Anas Boujraf, Zineb Chehab, Khalid Elhad and Abdelilah Hachim	SHIP IN HARBOR SITE "Approach maneuvers"

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

SESSIONS PROGRAM

22 May 2022

11:00-13:00 (Time zone : GMT+1)

VIRTUAL

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

Date	Day 2 : Sunday, 22 May 2022 (Online)		
Google meet	https://meet.google.com/man-mfum-cry		
Session	Session AMS.1 : Statistic and Mathematics Research		
Chairs	Pr. Lhoussaine EL MEZOUARY (FS Kenitra), Pr. Khalid HOUSNI (FS Kenitra), Pr. Aniss MOUMEN (ENSA Kenitra), Pr Tarek CHTOUKI (EST Kenitra)		
Hour	ID	Authors	Title
	5	Mourad El Idrissi, Bilal Harchaoui, Adil Settati and Aadil Lahrouz	A note on the threshold of the stochastic SIS epidemic model
11:00 - 13:00	9	Sakina Othmani and Nasser-Eddine Tatar	A New Lyapunov Functional for Stability Analysis of Delayed Hopfield Neural Networks with Non-Lipschitz Activations
	10	Tayeb Ouaderhman, Hasna Chamlal and Kawtar Laababi	Feature Selection using Hidden Markov Model
	19	Nacima Rosa Ait-Amrane and Hacène Belbachir	Some Properties of Bi-Periodic higher Order Sequences.
	20	Nacima Rosa Ait-Amrane and Hacène Belbachir	Extension of the Bi-Periodic Higher Order Sequences to Negative Indices.
	21	Abdelmonaim Saou and Mohamed Tahrichi	Numerical resolution methods for integro-differential equations based on spline quasi-interpolation operator
	24	Mohamed Rahioui, El Hassan El Kinani, Abdelaziz Ouhadan	The truncated M-fractional ordinary differential equations: Lie symmetry analysis
	25	El Mehdi Berra, Mustapha Faraji and Fahd Reja	Lattice Boltzmann Method of MHD natural convection nanofluid in a square cavity heated from below intended for cooling an electronic component
	28	Sabah Mahboub, Raby Guerbaz and Yassine Elqali	Application of ARIMA models and the Box-Jenkins method in Eviews on a time series
	38	Nisrine Marrakchi, Amal Bergam and Hanane Fakhouri	LSTM RECURRENT NEURAL NETWORK FOR DAILY FORECAST OF PM10 CONCENTRATIONS IN TANGIER

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 2 : Sunday, 22 May 2022 (Online)		
Google meet	https://meet.google.com/yqf-udut-gqs		
Session	Session BML.2 : BigData & Machine Learning		
Chairs	Pr. Aniss MOUMEN (ENSA Kenitra),		
Hour	ID	Authors	Title
11:00 - 13:00	4	Youness Filaly, Nisrine Berros, Fatna El Mendili and Younes El Bouzekri El Idrissi	Big Data: Concept and Security and Privacy Challenges
	20	Nisrine Berros, Youness Filaly, Fatna El Mendili and Younes El Bouzekri El Idrissi	Exploring Big Data Analytics: Challenges and Infrastructures
	53	Safa Rkhouya, Khalid Chougali	A Hybrid Machine Learning-Based Malware Detection Model
	43	Sihame SAGHOURI, Badraddine AGHOUTANE, Khalid EL FAZAZY, Jamal RIFFI	Deep learning-based system for classification and detection of damaged vehicles
	51	Nouib Hamza, Aniss Moumen and El Bouzekri El Idrissi Younes	Application Of Machine Learning Techniques To Predict Student Employability In Morocco
	52	Imane Satauri and Omar Elbeqqali	Predictive approach based on random forests for an intelligent marketing strategy on social networks: case of twitter
	54	Lamiaie Moujane, Aniss Moumen and Youness Elidrissi Elbouzekri	What are the difficulties encountered by students to build UML diagrams ?
	55	Lamiaie Moujane, Aniss Moumen and Youness Elidrissi Elbouzekri	Generating UML diagrams using nlp and model-driven Software Engineering
	56	El Ansari Rachid, Moumen Aniss, El Bouhadioui Mohammed and Aboutafail Moulay Othman	Bibliometric study of machine learning techniques used for the prediction of groundwater levels
57	Samia HAMAN, Aniss MOUMEN, Kawtar JENOUI, Younes EL BOUZEKRI EL IDRISSE	Machine learning techniques in supply chain management: A systematic literature review	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 2 : Sunday, 22 May 2022 (Online)		
Google meet	https://meet.google.com/eds-xndf-prk		
Session	Session GES.2 : Geography and Environment		
Chairs	Pr. Nezha MEJJAD (FSBM Casablanca), Pr. Mohamed EL BOUHADDIOUI (ENSM Rabat)		
Hour	ID	Authors	Title
11:00 - 13:00	42	Elmehdi Gouaiche, Bouchra Rachdi, Wadi Badri and Hassan Fougrach	Evaluation of the potential biodiversity index (IBP) in Moroccan cork oak forests
	47	Moulay Lafdil Belghiti, Abdelkader Chahlaoui, Abdelhak Saidi, Driss Bengoumi and Youssef El Hammioui	CARACTERISATION HYDROUCHIMIQUE ET MICROBIOLOGIQUE DES EAUX DE QUELQUES SOURCES DE LA PROVINCE D'ELHAJEB- MAROC
	50	Meryem Hdidou, Mohamed Chaker Necibi, Jérôme Labille, Souad El Hajjaji, Driss Dhiba, Abdelghani Chehbouni and Nicolas Roche	Constructed Wetlands: An Alternative Solution for Wastewater Treatment and Reuse in Rural Areas in Morocco
	51	Khalid El Alaoui, Youssef El Alaoui and Said Sghir	Water Resources and their Treatment Methods in Meknes
	52	Manal Brik and Said Sghir	The Policies Of Territorial Attractiveness Of The City Of Rabat: How Culture Contributes To The Transformation Of The Urban Landscape?
	53	Amine el Mahdi SAFHI, Abdelhadi BOUCHIKHI, Safaa MABROUM, Hassan EZ-ZAKI, Patrice RIVARD, Mostafa BENZAAZOUA	Overview on Valorization of Dredged Materials as a Sustainable Construction Resource
	20	AHlam ESSATE, Brahim ACHIOU & Mohamed OUAMMOU	Preparation of ultrafiltration membrane made of polymers mixture deposited on pozzolan support for dyes removal.

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

Date	Day 2 : Sunday, 22 May 2022 (Online)		
Google meet	https://meet.google.com/dro-gczh-dyy		
Session	Session CBS.2 : Biology and Medical Research		
Chairs	Pr. Lamia DAGHOR, Pr. Moulay Hicham EL AMRANI, Pr. Hicham CHATOUI		
Hour	ID	Authors	Title
11:00 - 13:00	45	Soukaina Razzouk, Lahcen Ouahmane, Mouaad Amine Mazri and Mohamed Najib Alfeddy	Composition, antioxidant and antimicrobial effects of Laurus nobilis leaves essential oil
	48	Aziz Elouakfaoui, Mahjoub Aouane and Abdeljabbar Rouani	Bacteriological study of the air in the hospitalization rooms of the provincial hospital of Sidi Kacem, Morocco
	52	Oumaima Abouyaala, Soukaina Bougrine, Aboubaker Elhessni, Abdelhalim Mesfioui and Moulay Laarbi Ouahidi	Acute and subacute toxicity of the methanolic extract of Lemon verbena
	54	Soukaina Bougrine, Oumaima Abouyaala, Aboubaker Elhessni, Abdelhalem Mesfioui and Moulay Laarbi Ouahidi	Acute and subacute toxicity of the methanolic extract of Melissa officinalis L
	56	El Mokhtar El Ouali and Abdelhalem Mesfioui	The Impact of Malocclusion on Athletic Performance in Young Elite Athletes
	61	Hassan Nour and Samir Chtita	Exploration of novel potent Anti-butyrylcholinesterase agents for Alzheimer's disease treatment through 2D-QSAR and Molecular Docking studies
	63	Jihane El Idrissi El Awad and Hassan El Ouizgani	Estimation of age and growth of Moroccan Atlantic Anchovy Engraulis Encrasicolus (Linnaeus, 1758) by reading otolith increments
	45	Soukaina Razzouk, Lahcen Ouahmane, Mouaad Amine Mazri and Mohamed Najib Alfeddy	Composition, antioxidant and antimicrobial effects of Laurus nobilis leaves essential oil

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

Date	Day 2 : Sunday, 22 May 2022 (Online)		
Google meet	https://meet.google.com/zid-rzqf-kuw		
Session	Session CBS.2 : Chemistry Research		
Chairs	Pr. Oumaima JAMAL EDDINE, Pr. Fatiha MOUGHAOUI, Pr. Maria EL ARBAOUI		
Hour	ID	Authors	Title
11:00 - 13:00	135	Ibtissam Ballou, Sanae Kholtei and Jamal Naja	Selective extraction of aluminium in comparison with silicon from water treatment sludge using a novel method
	146	Imane Es-Smiri, Mohammed Machkor and Faiza Chaouket	Study of The Corrosivity-Calcocarbonic Balance Modeling of Drinking Water and its Impact on Chemical Exchanges in The Distribution System
	147	Adnane Essammar, Meriem Kouhail, Bahija Mounir and Said Gmouh	Development and certification of new reference materials for Azo-dyes : Application to the validation of method for the determination of aromatic amines in textiles matrix
	150	Fatima Zahra Falah, Samia Yousfi and Mouna Latifa Bouamrani	Biochar as a low-cost adsorbent for removal of heavy metal ions from aqueous solution
	132	Myriam Chems, Kaoutar El Hassani, Hajar Jabkhiro and Abdellah Anouar	Photocatalytic Degradation of dye using ZnO and 1% Al-Doped ZnO: a comparative investigation of nanocatalysts properties and operating conditions
	145	Hamid Taouil, Zineb Boumaaize, Khalid Arouya, Abdelaziz Amine, Nabil Oukourf and Mohamed Ahd	STUDY OF DIDACTIC OBSTACLES RELATED TO THE LEARNING OF BASIC CONCEPTS IN ORGANIC CHEMISTRY : CASE OF UNDERGRADUATE TEACHING UNIVERSITY CYCLE
	148	Ayoub Najem, Malika Sabiha and Maria Boudalia	Citrus Polymethoxyflavones as Corrosion Inhibitor for Mild Steel in HCl medium
	158	Fatiha Moughaoui, Zoubida Anbaoui, Abdelmjid Abourriche and Mohamed Berrada	Efficient adsorption of methylene blue from water using high-performance biocomposite
	40/ 26W	Y. Kouzi, Z. Chafiq EL Idrissi, A. Karim, B. Achiou, H. Loukili, S. Alami Younssi, M. Bouhria, M. Ouammou	Chemical grafting of GO membrane layer on low-cost kaolinite support. Application for wastewater treatment

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

Date	Day 2 : Sunday, 22 May 2022 (Online)		
Google meet	https://meet.google.com/mcx-ofjs-brc		
Session	Session QQR.2 : Finance Research		
Chairs	Pr. Rachida EL YAMANI (UH2C Casablanca) , Pr. Manal BENATIYA ANDALOUSSI (UCD- El jadida)		
Hour	ID	Authors	Title
11:00 - 13:00	7	Idriss Houmam	Facteurs influençant l'utilisation des services de soins de santé: analyse microéconomique
	40	Sanae Ait Jillali and Mohammed Belkasseh	Financial performance: An early abandoned or independently sufficient approach?
	46	Bachir Lakhdar and Abdelghani Chehayebat	Economic growth and happiness: an explanation of the Easterling's paradox in the Moroccan context
	64	Houda Arougay and Badr Habba	Factors of financial distress in Moroccan small firms: Emergence of variables by exploratory study
	81	Fouad Daidai and Larbi Tamnine	Ownership and Capital Structure: The Case of MENA Listed Companies
	90	Younes Azekkar and Khalid El Ouafa	Determinants of Dividend Payout Decision : A Panel Data Analysis of Moroccan Family Firms
	93	Meriem Essoussi and Omar Essardi	Behavioral finance: A necessity for understanding investor behavior
	105	Farah Benomar, Hicham El Bouanani and Abdelaaziz Ezziani	Global Value Chain and development economic Case study Morocco
	107	Brahim Nahi, Oussama Ritahi and Abdellah Echaoui	« Essay on the links between socio-economic inequalities and inclusive growth (Evidence from MENA region) »
116	Rachida EL YAMANI , BENATIYA ANDALOUSSI Manal	Effects of financial intermediation on the economic growth in Morocco: A Vector Error Correction Model Approach	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 2 : Sunday, 22 May 2022 (Online)		
Google meet	https://meet.google.com/ntd-xhqk-fgb		
Session	Session QQR.3 : Social Research		
Chairs	Pr. Sanae ELMALIKI (EST Fès) , Pr. Imane OUAZZANI TOUHAMI (UIT Kenitra) Pr. Marwa KHOUYA(UIT Kenitra)		
Hour	ID	Authors	Title
	32	Jihane Akami and Fatima Zohra Sossi Alaoui	Human Capital in Morocco in the Covid 19 Pandemic Era
11:00 - 13:00	22	Zineb Boumaaize, Youssef El Madhi, Hamid Taouil, Hind Hami, Abdelmajid Soulaymani and Hanan El Faylali	Factorial validity and reliability of Moroccan version of the Teacher Sense of Efficacy Scale (M-TSES)
	26	Jyoti Singh	Why and how organizations form routines?
	52	Raja Wakil	Religious Values and Perceptions of Women's Equal Inheritance Right in Morocco: A Qualitative Exploratory Study
	68	Khadija Guejdad, Ali Ikrou, Redouane Abouqal and Jihane Belayachi	Evaluating the clinical learning environment from the perspective of Moroccan healthcare students
	48	Ali Ikrou, Khadija Guejdad, Redouane Abouqal and Jihane Belayachi	Assessment of educational environment among undergraduate nursing students', Moroccan multicentre study.
	74	Sami Ennaciri and Mohamed Droui	Neuroscience and Learning : the effects of using concept maps on the students' results
	75	Ouissal Goumairi, Es-Saâdia Aoula and Souad Ben Souda	Designing Learning Innovation during the COVID-19 Pandemic: A conceptual DMAIC Framework for Engineering Education
	73	Anass Chahbi	The use of the short story in the language classroom: constraints and new teaching methods.
	78	Raja Ouabich and Lahcen Tifroute	Science education in kindergarten: what to teach and how to teach it?
	80	Mhamed Ben Ouahi, Taoufik Hassouni and El Mehdi Al Ibrahmi	Student Attitudes Toward the use of Interactive Simulations in Physical Science Teaching and Learning
	23	Abdelkarim Taam, Smail Kheraz, Abdelhak Adnane and Ayoub Ait Lahcen	Obstacles to integrating ICT in Education: A Moroccan High School as Case study

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

SESSIONS PROGRAM

22 May 2022

14:00-18:00 (Time zone : GMT+1)

VIRTUAL

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 2 : Sunday, 22 May 2022 (Online)		
Google meet	https://meet.google.com/sxq-onyu-gsf		
Session	Session WES.2 : Water Sciences		
Chairs	Pr. Bouabid EL MANSOURI (FSK), Pr. Mohamed EL BOUHADDIOUI (ENSMR) & Dr. Soufiane TAIA (FSK)		
Hour	ID	Authors	Title
14:00 - 18:00	10	Wahib Hammoudy, Rachid Ilmen and Mohamed Sinan	Thermal, rainfall and drought climatic trends recently observed and future projections by 2040-2060 in Morocco
	25	Doha El Machtani Idrissi, Zakaria Chafiq El Idrissi and Hind Jazi.	Novel low-cost microfiltration membrane for the treatment of textile effluents.
	28	Youssef Jaouhari, Laila Stour and Ali Agoumi	Resilience of reception spaces for industry through a proactive approach to analyzing climate risks and opportunities: case of the industrial area of Ait Melloul (Morocco)
	31	Brahim Ait Said, El Mostapha Mili, Radouan Mehdaoui, Abderrahmane Mahboub, Fatima Ezzahra Hamid and El Mati El Faleh	Assessment of the physicochemical properties of water and their variation in the Tinejdat - Touroug groundwater, south-east, Morocco
	32	Khadija Faik and Mohammed Karim Ben Hachmi	A practical multi-objective optimization sectorization method for the water distribution network of BOUZNIKA city
	42	Elhoucein Layati and Mohamed El Ghachi	SIG et évaluation des techniques d'interpolation spatiale des précipitations entre 1980 et 2019 : Application au sous-bassin versant de l'Oued Oum Er-Rabia (Haut Atlas Central, Maroc)
	45	Lahcen Goumghar, Bouabid El Mansouri and Ayoub El Aoufy	Hydrological evaluation of satellite products estimating rainfall in the assaka watershed (south of morocco)
	46	Elhoucein Layati and Mohamed El Ghachi	Analyse quantitative des paramètres morphométriques du bassin versant de l'Oued LAKHDER (Maroc) : Approche statistique et SIG
	48	Sara Boularbah, Zoubir Anfar and Mohamed Saaf	Drip irrigation projects maintenance; A forgotten aspect
	54	Gueddari Hicham	Groundwater vulnerability assessment to pollution of groundwater in the Kert Plain, northeastern Morocco: A comparative method study (GOD and DRASTIC)
60	Saâd Arkkou, Nezha Mejjad and Khalid Elkhalidi.	The problem of silting in Moroccan harbours	
33	Yassine ET-TAYEA, Achraf HARRATI, Ahmed RACHID, Hicham NASRI, Youssef ARKAME, Younes MAMOUCHE and Chaouki SADIK	Mineralogical, geotechnical and physico-chemical investigations of Bentonite rich raw materials from the eastern Rif region (Nador-Morocco): A comparison study	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

	14	Chafai, K., Hssaida, T., Rjimati, CH., Essamoud, R., Houssa, R., Louaya, A., Afenzar, A., and Khaffou, H.	The evidence of the Campanian in the Sebkha of Tah (Tarfaya-Laayoune-Boujdour Basin) by dinoflagellate cysts.
--	----	---	---

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

Date	Day 2 : Sunday, 22 May 2022 (Online)		
Google meet	https://meet.google.com/eds-xndf-prk		
Session	Session GES.3 : Geography and Environment		
Chairs	Pr. Nezha MEJJAD (FSBM Casablanca), Pr. Ikram Loukili (UM6P)		
Hour	ID	Authors	Title
14:00 - 18:00	28	Larbi Barhazi, Rachida El Morabet and Soufiane Bouhafa	The socio-ecological impact of water quality in the prefecture of Mohammedia-Morocco
	30	Russel Rolphe Carol Moubakou Diahou, Guy Blanchard Dallou, Hamid Bounouira, Rajaa Cherkaoui El Moursli and Clobite Bouka Biona	Baseline data of radioactivity and radon mass exhalation rate in soils and phosphate rocks of a prospective phosphate mining area in Hinda district, Republic of Congo
	32	Rim belmadani, Jihan khyati Jamal alkarkouri, Mohcin batchi.	Modeling land use and land cover change (LUCC) in the Maamora forest, morocco
	36	Safae Elhir, Najoua Labjar, Mohamed Dalimi and Souad El Hajjaji	Life cycle assessment (LCA) of wastewater treatment system
	38	Hicham Ikraoun, Mohamed El Mderssa, Laila Nassiri and Jamal Ibijbjen	Application of remote sensing and GIS for land use dynamics effect assessment on water erosion : -case of watershed upstream of the Moroccan Tiddas dam.
	39	Taher Morad	Assessment of coastal caves in Nekor bay - Northeastern Morocco -: Development opportunities of caves Tourism
	41	Sherouk Laaniba, Mustapha Souhassou, Youssef Es-Saady, Fouad Lotfi and Rachid El Gareh	GIS modelling and data analysis methods to identify territorial disparities : Case of Taroudant-Morocco province
	44Q	Essaidi Ayoub, Loubna Etouzani, Khadija Douayri and Mohammed Legssyer	Liberalisation of hydrocarbon prices and the trend in the oil market in Morocco: an economic study econometries, series chronologies -case of the oriental (Afriquia – Shell - Total)
24 W	Ayoub Ait Bella, Asmae El Haouat, Hayat Lafrikh, Rachid Sammoudi, Mohamed Arahou and El Habib El Azzouzi	Evaluation of the Quality of Solid Waste Management in Two Health Establishments of the Mohamed VI University Hospital in Marrakech	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 2 : Sunday, 22 May 2022 (Online)		
Google meet	https://meet.google.com/mcx-ofjs-brc		
Session	Session QQR.2 : Management Research		
Chairs	Pr. Nora AIT MEKKI(ENCG Meknès), Pr. Sanae EL MALIKI (EST Fès),Pr. Imane OUAZZANI TOUHAMI (UIT Kenitra), Pr. Marwa KHOUYA(UIT Kenitra)		
Hour	ID	Authors	Title
14:00 - 18:00	67	Ikram Kandili and Bilal Bourkha	Social business model : a compratavie study of a "cooperative, association and social enterprise"
	79	Jamal Tikouk and Asmaa Ait Boubkr	Transportation barriers and healthcare access for patients attending the Regional Hospital Center of the region Guelmim Oued Noun (Morocco): A canonical correlation study
	82	Chaymae Eljai, Mohammed Medouari, Nadia Tamouh and Rahhal Lahrach	Entrepreneurship, between resilience and commitment of SMEs
	85	Nejjari Jihane and Hassine Mostafa	Impact of Lean management on social performance of Moroccan Small and medium-sized Enterprises. Analytical study.
	87	Imane Ouazzai Touhami and Hassan Azouaoui	Emotional Intelligence and Sales performance of agents working in a call center
	89	Taleb Mahdi and Pheniqi Youssef	Ambidextrous Leadership and Innovative Behavior of Healthcare Professionals in Moroccan Context: The Mediating Role of Perceived Organizational Support - Case of CHU Hassan II in Fez-
	98	Chaimaa Zayer and Abdelhay Benabdelhadi	What motivates or hinders Moroccan companies to engage in CSR policies?
	115	Ichraq Hammou, Zakaria Lissaneddine and Sabrina Aboudou	Product branding and destination branding: What link and what role for social media communication
	94	Ouarda Bouabdellah, Nadia Tamouh, Rahhal Lahrach and Abdelali Ouasrhir	Improving the performance of Moroccan University Hospitals through the measurement and analysis of technical efficiency : Application of the DEA method
	96	Mohammed Medouari, Chaymae Eljai, Rahhal Lahrach and Nadia Tamouh	Blockchain and social crowdfunding: opportunities and threats
100	Abdedaime Mohamed, Qafas Ahlam and Jerry Mounir	Towards a Mixed Methods Approach to Assessing the Impact of Public Programs in the Moroccan Context: The Case of the New City Program	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

101	Khaoula Zahouani, Hanane Majid and Youssef Makloul	Exploring the antecedents and consequences of user dissatisfaction: the case of m-banking app in morocco
102	Mohammed Medouari, Idriss Idrissi, Jamal Amara and Rahhal Lahrach	Blockchain and NFT for responsible crowdfunding
109	Fatima Zohra Bensbih and Khalid Louizi	Innovative social entrepreneurship in the era of Covid -19: capacity for innovation and proof of resilience
44	Essaidi Ayoub, Loubna Etouzani, Khadija Douayri and Mohammed Legssyer	Liberalisation of hydrocarbon prices and the trend in the oil market in Morocco: an economic study econometries, series chronologies -case of the oriental (Afriquia – Shell - Total)
113	El Maliki Sanae	The Relationship between Innovation and Organizational Resilience: a theoretical modeling essay
114	Marwa Khouya	The good governance perceived in public institutions in Morocco: An exploratory qualitative study
14	Karima Azzaoui, Samia Yousfi and Mouna Latifa Bouamrani	Combining Digitalisation with 5G lean tool for Quality and Competitiveness in Automotive Electrical Wiring Systems Manufacturing

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 2 : Sunday, 22 May 2022 (Online)		
Google meet	https://meet.google.com/dro-qczh-dyy		
Session	Session CBS.3 : Biology and Medical Research (1)		
Chairs	Pr. Oumaima JAMAL EDDINE, Pr. Maria EL ARBAOUI, Pr. Fatiha MOUGHAOUI		
Hour	ID	Authors	Title
14:00 - 18:00	79	Hajar Ouahid, Latifa Adarmouch, Mohamed Cherkaoui, Majda Sebbani and Mohamed Amine	Gender norms and sexual and reproductive health among females; literature review
	80	Nouari Nadia, Latifa Adarmouch, Majda Sebbani, Saloua Lamtali, Mouna Khouchani and Mohamed Amine	Cancer patients' perceptions of covid-19 in Morocco
	81	Fatimaezzahra Kasmaoui, Abdelhafid Benksim, Mohamed Amine and Mahjoub El Harsi	Prediction models and morbidities associated to Obstructive Sleep Apnea. An updated systematic review
	82	Fatima Ezzahra Khachay, Latifa Adarmouch, Majda Sebbani, Amine Mohamed and Hajar Ouahid	Knowledge, attitudes and practices of young people in the Marrakech-Safi region facing the COVID-19
	98	Nouhaila Ajbli, Yassine Zine-Eddine, Fouzia Kzaiber, Abdelkhalek Oussama and Khalid Boutoial	Development of a yoghurt based on goat's milk and quinoa flour
	109	Abderrahmane Aamiri	Bioecological study of the Japanese invader seaweed <i>Sargassum muticum</i> in different site along of the Moroccan Atlantic coast
	114	Safae Maouni, Hajar Ettakifi, Kaoutar Abbassi, Noureddine Mahiou, Joaquim Carlos Gomes Esteves da Silva and Abdelfettah Maouni	Chemical Composition and Antifungal Activities of <i>Lavandula multifida</i> against <i>Onychomycosis</i> due to <i>Cladosporium</i> sp
	117	Omar Ait El Alia, Yassine Zine-Eddine, Abdelkhalek Oussama, Fouzia Kzaiber and Khalid Boutoial	Optimization of Camel Milk Coagulation: Effect of Physicochemical Parameters and Enzyme Concentration
	118	Sabiri Chaimaa, Tazi Bouchra, Bouaouda Khawla, Rahime Souad, Taki Hassan, Bennamara Ahmed, Mata Nadia, Saad Lhossaine and Derouiche Abdelfettah	Study of the nutritional composition & the stability of argan oil from argan trees under controlled cultivation
	119	Hasnaa Bazhar, Imane Rahmoune, Youness Kadil and Houda Filali	Immunotoxicity of biological drugs
125	Khawla Bouaouda, Chaimaa Sabiri, Karima Mohtadi, Halima Lebrazi, Anass Kettani, Rachid Saile, Abdelfattah Derouich and Taki Hassan	Phenolic profile and antioxidant activity of <i>Argania spinosa</i> (L.) fruit pulp extract: comparison of a forestry and domesticated culture	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

126	Ettakifi Hajar, Mounir Legssyer, Rabah Saidi, Joaquim C.G.Esteves Da Silva and Maouni Abdelfettah	Evaluation of Chemical Composition and Biological Activities of <i>Tanacetum annuum</i> (L.), Collected from Northern of Morocco
13	Zineb Loukhmi, Abdelhakim Elmakssoudi, Karima Sadik and Aziz Aboulmouhajir	Computational investigation of new pyridopyrimidine derivatives using DFT methods: NPA, NBO, HOMO-LUMO transitions and quantum chemical properties
43	Zakariae Hajri, Abdelkhalek Oussama, Mohammed Chigr, Fouzia Kzaiber and Khalid Boutoial	Effect of Cooking and Washing on Sulfites (SO ₂) Content of Dried Fruits
30Q	Noura Dahbi, Abderrazak El Khair, Khadija Cheffi, Lamiaa Habibeddine, Abderraouf Hilali and Jalal Talbi	Evolution of matrimonial behaviour among southern Moroccan population: Consanguinity and endogamy in the Souss oasis between 1920 and 2019
120	<u>Younes Iderdar</u> , <u>Mohamed Chahboune</u> , <u>El Madani Saad</u> , <u>Noureddine Elkhoudri</u> and <u>Amina Ibnlfassi</u>	The Contribution of Morocco to the Global Traumatic Brain Injury Research

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 2 : Sunday, 22 May 2022 (Online)		
Google meet	https://meet.google.com/zid-rzqf-kuw		
Session	Session CBS.4 : Biology and Medical Research (2)		
Chairs	Pr. Lamia DAGHOR, Pr. Moulay Hicham EL AMRANI, Pr. Hicham CHATOUI		
Hour	ID	Authors	Title
14:00 - 18:00	46	Zahra Okba and Hassan Elouizgani	Monthly Time Series Analyses of Canary Upwelling System Variabilities Based on Satellite Data
	47	Amr Farhan, Mourad Rattal, Badr Eddine Labakoum, Elmaati Essoukaki, Azeddine Mouhsen and Aissam Lyazidi	Comparison of automatic and manual methods for analyzing heart rate variability parameters
	62	Rachid Lotfi, Fatiha Chigr and Mohamed Najimi	The impact of socio-demographic factors on access to treatment for patients with multiple sclerosis in the region of Beni Mellal-Khenifra, Morocco.
	64	Yassine Zine-eddine, Hassan Charii, Fouzia Kzaiber, Abdelkhalek Oussama, Amine Moubarik and Khalid Boutoal	The effect of physicochemical parameters and enzyme concentration on the clotting and cutting times properties of Alpine breed goat's milk
	66	Karima El-Mouhdi, Samia Boussaa, Abdelkader Chahlaoui, Smahane Mehanned, Chafika Faraj and Mohammed Fekhaoui	Results of an entomological survey on Phlebotomine sand flies (Diptera: Psychodidae) fauna in the region of El Hajeb in Morocco
	91	Fatima-Ezzahra Azzouzi, Lamtali Saloua, Mohamed-Amine Lyaaazale, Latifa Adarmouch and Ibtissam Youlyouz	Contraception hormonale et cancer du sein chez les femmes au niveau de la région Marrakech-Safi
	94	Hamza Elbaylek and Soumia Ammor	Dietary transition and colorectal cancer: a case-control study of dietary factors in Morocco
	104	Youssef S'Hih, Ibrahim Hinad, Radia El Gui, Aboubaker Elhessni, Abdelhalim Mesfioui, Abdechahid Loukili and Moulay Laarbi Ouahidi	Contribution to the study of the acute and subacute toxicity of aqueous extract of Lawsonia Inermis L. leaves in Wistar rats
	106	<u>Reda Fassi Fihri</u> , Chaimae Slimani, Chaimae Rais, Saad Rachiq, Lahsen El Ghadraoui and El Ouazna Bouchamma	Evaluation of antibacterial activity of the filamentous cyanobacterium arthrospira jenniferi extracts
	110	Jayche Samira, Idrissi Ahmed, Sendaoui Sanae, Loufi Amr, El Hioui Mohamed, Lahmam Mohamed and Ahami Ahmed Omar Thouhami	Monitoring system for Acute Flaccid Paralysis in Children: the case of Kénitra Province, Morocco; between 1994 and 2018
112	<u>Msegued Ayam Iman</u> , Lahsen El Ghadraoui and <u>Faouzi Errachidi</u>	Study of cumin essential oils in Morocco	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

140	El Aameri Mohammed, Mohammed El Aameri and Taboz Youness	Evaluation of dietary habits in type 2 diabetic subjects
143	Khadija Cheffi, Noura Dahbi, Abderrazak El Khair, Abderraouf Hilali and Jalal Talbi	Characterization of alliance patterns in the Grand Mzab, Chaouia, Morocco
154	Sarah Michaud, Ouassim Mansoury, Saad Uakkas, Saad Chaibi, Majda Sebbani, Samira Essoli, Adil Mansouri and Chakib Nejari	First national training in public health emergency for medical students in Morocco: A mixed method study
155	Hicham EL Mouaddib, Majda Sebbani, Latifa Adarmouch and Mohamed Amine	The coordination of care in the management of breast cancer: a qualitative insight into patients and healthcare professionals' perspectives
46	Zahra Okba and Hassan Elouizgani	Monthly Time Series Analyses of Canary Upwelling System Variabilities Based on Satellite Data
159	Moulay Hicham EL AMRANI, Meryem EL OUZZANI	Homeopathy at the service of cancer pathologies

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)
PES

Date	Day 2 : Sunday, 22 May 2022 (Online)		
Google meet	https://meet.google.com/wqm-pxsn-kot		
Session	PES.2 : Engineering Research And Physical Science		
Chairs	Pr. Saad AOUATIF (ENSA Kenitra), Pr. Mounia ZEMAMOU (FS Kenitra), Pr. Abdelali TALBI (FS Kénitra), Pr. Sara MTOUGUI, Pr. Khalid NOUNEH (FS Kenitra).		
Hour	ID	Authors	Title
14:00 - 18:00	9	Mohamed Aziz Chikouche, Saida Boualleg, Laid Baali and Moussa Deghfel	Performance of Eco-Binder Made with Dredged Sludge
	14	Fatima-Ezzahra Baalla, Aziz Maziri, El Hassan Mallil and Jamal Echaabi	How Might Hybrid Polymer Composites Based on Carbon and Natural Fibers Boost The Mechanical Properties : A Brief Review
	18	Nassima Bounadi, Serial Rayene Boussalia and Ahmed Bellaouar	Adapting the SCOR model to evaluate the logistics performance of warehousing: Case of an Algerian logistics service provider
	31	Faical Barghady, Mohamed Hachi, Souad El Khattabi and Adil Touimi Benjelloun	Novel Di-D- π -A type Benzocarbazole sensitizers for efficient dye sensitized solar cells (DSSCs): A DFT/TD-DFT benchmark study.
	32	Khaoula Rahmouni, Aurélien Besnard, Mourad Zaabat, Corinne Nouveau, Linda Aissani, Bruno Guelorget and Akram Alhussein	Surface characteristics of TaN thins films produced by Glancing Angle Deposition
	37	Amine Rahui, Malika Allouch and Mohammed Alami	EFFECT OF TUNGSTEN INERT GAS WELDING PARAMETERS ON BENDING PROPERTIES OF 1mm MILD STEEL JOINTS
	41	Manar Ben Boumediane, Farid Benabdelouahab and Rachid Janati-Idrissi	Les problèmes majeurs de l'enseignement des sciences physiques dans les collèges marocains
	43	Youssef Rahou, Haj El Moussami and Latifa Ezzine	Modelling thermomechanical behavior of cutting operation by using bloc diagram -inlet energy flux modelling-
	47	Moussa Aharchi, Tayibi Nbigui and Fouad Allam	Effect of feed quality variation on the internal reflux ratio and internal boil-up ratio of a binary continuous distillation column
	49	Marouane Essahraoui, Rachid El Bouayadi and Aouatif Saad	A Numerical Study of the Rotating Cylinder Effect on Unsteady Flow Regime at Various Reynolds Number.
52	Assia Ederouich, Marouane Essahraoui, Driss Zejli and Aouatif Saad	A numerical study of Thermal behavior of plaster-Alfa unidirectional composite material	
56	Doha BOUABDALLAOUI, Touria HAIDI, Mounir Derri, Mariam ELJAADI, Bouchera CHEDDADI and Asmae BOULMANE.	Artificial Intelligence Methods for Wind Power Forecasting: A Review	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

58	Fatima Zahra Laktaoui Amine, Ayoub Gounni and Mustapha El Alami	STUDY AND STATE OF THE ART ON DATA CENTER COOLING
59	Raja Moussaoui, Souad El Moudni El Alami and Hassan Aouraghe	Characterization of the Zellidja slag for their use as a building material
61	Mohammed Janati Idrissi, Ibrahim Amila, Abdelaziz Fedoul and Abdelhafid Chatwiti	Calculation of Energy Eigenvalues and Wave Functions of the Deng-Fan Oscillator
63	Errami Younes, Ahmed Aharoune, Lahcen Bouirden, Hassan Demrati, Fatima Ezzahra Allali, Gourdo Lahoucine and Ahmed Wifaya	THE EFFECT OF SHADING ON THE MICROCLIMATE OF A CANARIAN GREENHOUSE IN THE CHTOUKA REGION
66	Younes Zekeik, M. José Ortiz Bevia, Francisco José Álvarez García, Ali Alrubaye, Ali Haddi and Youness El Mourabit	Techno-Economic Assessment of Wind Energy Resources in Southern Morocco
69	Sophia Fatihi, Elhoussaine Ouabida and Hassan Mharzi	Study and prediction of the lifetime of mechanical parts in the automotive industry

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

YEMENI RESEARCH DAY

SESSIONS PROGRAM

23 May 2022

11:00-12:00 (Time zone: GMT+1)

VIRTUAL

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 3 : Monday, 23 May 2022 (Online)		
Google meet	https://meet.google.com/xtb-pybr-fcf		
Session	YEMENI RESEARCH DAY		
Chairs	Pr. Mohamed EL BOUHADDIOUI (ENSM Rabat), Pr. Nezha MEJJAD (FSMB Casablanca); Pr. Lhoussaine EL MEZOUARY (FS Kenitra)		
Hour	ID	Authors	Title
11:00 - 13:00	YSW -WE S-00 1	SAIED Mohammed,Khalid MEHDI,Fouad SALHI	Lithology characteristics and hydrocarbon potential evaluation of Qishn reservoir in Sharyoof oil field, Block 53, Say'un-Masilah basin, Eastern Yemen
	YSW -PES -001	ALKHADHER FADHL ALI HADI KHALIL,Ahmed Elhassnaoui,Smail Sahnoun	Effect of diverse variable leg geometry on the performance of the thermoelectric generator TEG
	YSW -BML -001	HATEM TAHA MOHAMMED YAHAY,MOHAMMED Saleh	Hybrid environment of Intercloud as-a-service for data storage
	YSW -BML -002	Mohammed Ahmed Moqbel Saleh,HATEM Taha,M. L. Ben Maâti	Construction a Sustainable and Smart Container Storage Strategy
	YSW -QQ R-00 1	Sharaf Shana, Helmi Mohammed,Shamsan Alhussieni	Employability Skills of University Graduates: A Study of the Perceptions of Sana'a University EFL Graduates and their Employers
	YSW -BML -003	YAHYA MOHAMMED ALI MOHAMMED,Said El Garouani,Ismail Jellouli	Brain Tumor Semantic Segmentation Using Convolutional Neural Networks in 2D MRI Images
	YSW -CBS -47	Amr Abdo Ahmed Farhan	Comparison of automatic and manual methods for analyzing heart rate variability parameters

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

SESSIONS PROGRAM

25 May 2022

14:30-19:00 (Time zone: GMT+3)

FACE TO FACE

Nişantaşı University

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 4 : Wednesday, 25 May 2022 (Face-to-Face)		
Room	ROOM 1 - Nişantaşı University		
Session	Session Physical Research (PES.1) & BML (Big Data, Modelling & Machine learning)		
Chairs	Pr. Tarek CHTOUKI (EST Kenitra), Pr. Lhoussaine EL MEZOUARY (FS Kenitra), Pr. Aniss Moumen (ENSA Kenitra), Pr. Khalid NOUNEH (FS Kenitra).		
Hour	ID	Authors	Title
14:30 - 19:00	11	Noredidine Gherabi and Zineb Sabouri	Classification Algorithms for measuring the performance systems
	24	Kaoutar El Madou, Mohamed El Merouani, Said Marso and Moad El Kharrim	High efficacy of handling imbalanced data to predict bankruptcy
	29	Chaymae Makri, Said Guedira, Imad El Harraki and Soumia El Hani	Optimal power flow using Machine Learning: Survey
	38	Abdessamad Redouani	Integration of IWB in Arabic class (foreign language): What effects on student motivation? example of elementary schools in Strasbourg-France
	42	Yousra Bouleft and Ahmed Elhilali Alaoui	Waste collection by compartmentalized vehicles in smart cities
	45	Abdelilah Et-Taleby, Yassine Chaibi, Mohamed Benslimane and Mohammed Boussetta	Defects detection and classification for PV systems based on machine learning algorithms
	46	Elkinany Boutaina, Alfid Mohamed and Chalh Zakaria	LMI and PID+LQR for Unicycle Robot Stabilization
	47	Montassir Soufiane, Moustabchir Hassane and El Khalfi Ahmed	Integration of B-Spline based functions for structure analysis
	48	Yakoubi Khadija, Moustabchir Hassane, Elkhalfi Ahmed and Saka Abdelmjid	Extended Isogeometric Analysis (X-IGA) Estimates the Stress Intensity Factor for two dimensions cracking problem
	49	Abdelilah Et-Taleby, Yassine Chaibi, Mohamed Benslimane and Mohammed Boussetta	Defects detection and classification for PV systems based on machine learning algorithms
	50	Mohammed Zouiten, Badia Ez-Zahouani, Yassin Asbai, Jamal Chaaouan and Imane Satauri	Cartography for the training of Deep Learning algorithms on fire forest risk areas in the TAZEKKA park of MOROCCO: Geostatistical approach
	38	Hamza Ennadafy, Mustapha Jammoukh, Salah Nissabouri and Naoual Belouaggadia	Towards a numerical simulation of the thermogravimetric behaviour of a recyclable biomaterial
	54	Kenza Aitelkadi, Abdessamad Menichi, Youssef Ferchach and Alaa Boudhaim	Automatic segmentation of industrial pipes from the 3D point cloud
68	Salah Ihlou, Ahmed El Abbassi, Abdelmajid El Bakkali and Hafid Tizyi	Circuit Analysis of Series and Shunt Rectifier Topologies for RF Energy Harvesting	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

		Applications At 5.80 GHz
--	--	--------------------------

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 4 : Wednesday, 25 May 2022 (Face-to-Face)		
Room	ROOM 2 - Nişantaşı University		
Session	Session CBS.1 : Biology and Chemistry Research		
Chairs	Pr. Oumaima JAMAL EDDINE, Pr. Lamia DAGHOR, Pr. Maria EL ARBAOUI		
Hour	ID	Authors	Title
14:00 - 18:00	23	Maha Hamouda, Amel Sboui, Mohamed Dbara, Mohamed Hammadi and Touhami Khorchani	Effect of heat treatment on the biological activities of camel milk
	37	Sanae Berrada, Ghita Benjelloun Touimi, Laila Bennani, Fatima Zahra Squalli Houssaini and Tarik Sqalli Houssaini	Comparative biocidal activity of sodium hypochlorite, formaldehyde, quaternary ammonium, and peracetic acid on 38 bacterial isolate's hemodialysis environment in north center Morocco
	84	Sanae Berrada, Ghita Benjelloun Touimi, Laila Bennani, Fatima Zahra Squalli Houssaini and Tarik Sqalli Houssaini	Evaluation of cleaning and disinfecting environmental surfaces in hemodialysis public center
	92	Salma El Amane, Eric Imbert and Abdelilah Rahou	An ethnobotanical study of medicinal plants used to treat skin diseases in 2 provinces of Morocco
	99	Kaoutar Tassaoui, Mohamed Damej, Abdu Molhi, Mohamed Abouchane, Mohamed Elmahdi Ansar, Oumaima Ninich, Aziz Et-Tahir and Mohamed Benmessaoud	Contribution to the corrosion inhibition of Cu-30Ni copper-nickel alloy by 3-amino-1,2,4-triazole-5-thiol (ATT) in 3% NaCl solution
	100	Oumaima Ninich, Badr Satrani, Mohamed Ghanmi, Sylvain Burri, Kaoutar Tassaoui, Oussama Chauiyakh, Saoussan Annemer, Abdellah Farah, Mohammed Benmessaoud and Aziz Ettahir	Antioxydant activity of Juniper tar of Talgount-Morocco by DPPH free radical-scavenging assay
	131	Lamia Yakkou, Sofia Houida, Serdar Bilen, Leyla Okyay Kaya, Mohammed Raouane, Souad Amghar and Abdellatif El Harti	Effect of earthworm's associated bacteria on plant metabolism
	137	Sofia Houida, Lamia Yakkou, Leyla Okyay Kaya, Serdar Bilen, Mohammed Raouane, Abdellatif El Harti and Souad Amghar	Metal-tolerant bacteria isolated from the earthworm <i>Aporrectodea molleri</i> : promising coating inoculants for spinach seeds
	142	Fatima-Ezzahrae Guaouguaou, Khalid Taghzouti, Mohamed Oukabli and Nour Eddine Es-Safi	Pharmacological study of extracts of the medicinal plant <i>Salvia verbenaca</i> used in the treatment of skin burns in Morocco (Rabat region)

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

151	<u>Oumaima Jamal Eddine</u> , Hasna Wakrim, Mehdi El Bouchti, Aicha Boukhriess, Omar Cherkaoui, Hassan Hannache and Said Gmouh	Effect of iron oxide addition on mechanical properties, structure, and dissolution behavior of phosphate glass fibers based on natural phosphate and kaolin clay
156	Lamia Daghor, Hicham Chatoui, Touria Hssaida and Mohamed Fraikech	TOXIC PLANKTON PUBLIC HEALTH RISKS
1	Nour El Yakine Lakhdar, Moulay Laarbi Ouahidi and Driss Lamri	The effect of intense exercise on muscle power and functional abilities of obese people
103	<u>Walid Janati</u> , Karima Mikou, Lahsen El Ghadraoui and Faouzi Errachidi	Phosphate solubilizing bacteria: value and response in two species of palpilonaceae seeds
107	<u>Abir El-Araby</u> , Lahsen El Ghadraoui and <u>Faouzi Errachidi</u>	Chitosan effect on fungal strains responsible for strawberries post-harvest losses
134	Nouhi Youssef, Bouchra Benazzouz, Leila Bikjdaouene, Rajae Ramdan, Omar Akhouayri and Younes Filali-Zegzouti	Association of aldosterone synthase gene -344 T/C polymorphism with type 2 diabetes in Moroccan population
138	Naoual Zitouni and Guy Chavanon	Contribution to the knowledge of ecotones: Distribution of riparian Carabid beetles (Coleoptera, Caraboidae) between the microbiotopes of banks of temporary dayas of Eastern Morocco
152	Maria El Arbaoui, Ali Jafri, Houria Makhlouki, Basma Ellahi and Abdelfettah Derouiche	Differences in the nutritional and energy composition of foods intakes consumed on campus and at home, among Moroccan university students
153	Sanae Berrada, Ghita Benjelloun Touimi, Laila Bennani, M Cherigui, A Alami, Fatima Zahra Squali Houssaini and Tarik Sqalli Houssaini	Screening and risk factors for nasal carriage of Staphylococcus aureus in a sample of Moroccan hemodialysis patients

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 5 : Thursday, 25 May 2022 (Face-to-Face)		
Room	ROOM 3 - Nişantaşı University		
Session	Session WES.1 : Water, Earth and Environment Research		
Chairs	Pr. Abdelaziz MRIDEKH (FS Kénitra); Pr. Mohamed EL BOUHADDIUI (ENSMR) & Pr. Nezha MEJJAD (FSBM Casablanca)		
Hour	ID	Authors	Title
11:00 - 13:00	4	<u>Karima Nifa, Abdelghani Boudhar, Hamza Ouatiki, Bouchra Bargam and Abdelghani Chehbouni</u>	Performance of Deep Learning techniques for Monthly streamflow simulation in a semi-arid region in Morocco
	6	Asma Elfirdoussi, Abdelali Sebbar, Namira El Amrani Paaza and Ayoub Idrissi	Bioclimatic characterization of Settat province (Morocco)
	7	Naima Berry, Hanane Bahaj, Jihad Rahmouna, Sokaina Targhi, Naima Bachiri Taoufiq, Nadia Barhoun, Nadia Barhoun, Jean-Pierre Suc and Rachid Essamoud	VEGETATION AND CLIMATE CHANGES DURING THE PLIOCENE IN SOUTHWESTERN MEDITERRANEAN
	23	Said El Makrini, Mustapha Boualoul, Younes Mamouch, Hassane El Makrini and Abdelhamid Allaoui	GEOPHYSICAL RECONNAISSANCE OF THE QUATERNARY BASALTIC AQUIFER BY GEO-ELECTRICAL METHOD IN THE GUIGOU PLAIN, MIDDLE ATLAS, MOROCCO
	35	Hayat Ait Inoh and Mohamed Tayebi	Comparative analysis of lineaments extracted from Shaded Relief Images and multispectral images data: a study based in the Central High Atlas, Morocco
	37	Abdelatif Rajji, Abdessamad Najine and Amina Wafik	The Impact of Wastewater Network Degradation on the Stability of Infrastructure in Urban Areas
	43	Ikram Loukili, Nezha Mejjad	Study of territorial disparity of a predominantly rural province in Morocco: Case of Rhamna province
	44	Nour-Eddine Ameziane, Lahcen Benaabidate and Abdelkader Chahlaoui	CHARACTERIZATION OF PHYSICO-CHEMICAL IMPACTS OF HOSPITAL AND URBAN EFFLUENTS ON THE ENVIRONMENT, CASE OF MEKNES, MOROCCO
	56	Elhousna Faouzi, Abdelkrim Arioua, Mohammed Hssaisoune, Abdelghani Boudhar, Abdenbi Elaloui and Ismail Karaoui	Modeling of rainfall runoff process using measured and TRMM data into HEC HMS model for an ungauged watershed in Morocco

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



**Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)**

	57	Maryem Ismaili, Samira Krimissa, Mustapha Namous and Tarik Benabdelouhab	APPLYING MACHINE LEARNING METHODS TO MAPP SOIL SUITABILITY IN ARID AND SEMI-ARID REGIONS
	58	Asma Acha, Hssaisoune Mohammed, Sadeghfame Sina, Mustapha Namous, Tarik Tagma and Mohamed Beraouz	Risk assessment of groundwater drought in semi-arid area under climate variability: vision from Tadla aquifer, Morocco

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

Date	Day 5 : Thursday, 25 May 2022 (Face-to-Face)		
Room	ROOM 4 - Nişantaşı University		
Session	Session QQR. 1 : Management and Social Research		
Chairs	Pr. Hajar SLIMANI (ENCG Meknès), Pr. Kaoutar Moudden (ENCG kenitra), Pr. Bahia Abouessououd (ENCG settat)		
Hour	ID	Authors	Title
14:00 - 18:00	25	Leila El Kamel and Myriam Ben Arous	Data collection from human subjects during pandemic times: epistemological and operational issues
	54	Nisrine Benhammou and Habiba Bensassi Nour	Exploring the Antecedents of Online Customer Experience Using UTAUT 2 Model and Integrating Other Factors : A Literature Review
	97	Kaoutar Moudden and Youssef Samihi	Relation between new public management and management control system: Organizational performance context
	99	Najib Bouhout, Aziz Askitou and Khalid El Asri	The Supervisor of the Undergraduate Dissertation in the Post-Covid Technology-Mediated Context: How Much Support and How to Give it?
	103	Slimani Hajar	HR in the post covid-19 era . the HRIS a tool for organizational effectiveness
	108	Ghizlane Rayk, Mohamed Mamad and Ghizlane Rayk	SEARCHING FOR SOURCES OF SUPPLY CHAIN RESILIENCE: LITERATURE REVIEW
	110	Safae Misry, Abdellah Echaoui and Mustapha Esghir	Causal link in the sense of Toda and Yamamoto between the oil price and the exchange rate: the case of Morocco
	111	Mohd Kamarul Irwan Abdul Rahim	Optimization of a Multi-Period Inventory Routing Problem with Deterministic Demand
	112	Bahia Abouessououd and Salima Jazi	Paper-How sociability during virtual social interactions in consumer communities impact purchase intention during a ROPO consumption experience
	57	Maha Mennani, Attak El Houssain and Maha Mennani	Exploring the role of Islamic social finance, particularly zakat, in promoting socioeconomic development: A Systematic Literature Review
21	Fatima Ezzahra Darkaoui and Pr. Ali Ouchekkir	A Model for Assessing the Digital Maturity of Moroccan Commercial Banks	
39	Nisrine Kourt and Rhizlane Benrezzouq	How the sharing of knowledge can impact the performance of the supply chain management?	

MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>



Second Edition of MAASI Scientific Week
From 21 to 31 May 2022, Istanbul, Turkey (Hybrid)

SECOND EDITION OF MAASI SCIENTIFIC WEEK FROM 21 TO 31 MAY 2022, ISTANBUL, TURKEY (HYBRID)

STEERING COMMITTEE RABAT, MOROCCO

Moroccan Association For Applied
Sciences & Innovation



MOROCCAN ASSOCIATION FOR APPLIED SCIENCES AND INNOVATION

Building 11. Office 5. 2nd floor Av. Dayet Aoua. Agdal, Rabat, Morocco.

Tel.: +212 5 37 68 61 38 - Fax: +212 5 37 68 61 38

E-mail: contact@maasi.org - contact.maasi@gmail.com - Web: <https://www.maasi.org>