

People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research
University Mustapha STAMBOULI of Mascara
Faculty of Natural and Life Sciences
Geomatics, Ecology and Environment Laboratory
and
Biological Systems and Geomatics Laboratory (LRSBG)

Second International Conference on Geo-Sciences & Environment

الملتقى الدولي الثاني حول علوم الأرض والبيئة

ICGSE 2022
September 17-18, 2022
Mascara, Algeria



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Pr. Samir BENTATA
(Rector of the University)

Honorary Vice-President

Pr. Lakhdar BELABID
(Dean of the Faculty)

Conference Chairperson

Dr. Abdelkader ELOUISSI

Vice-President of the Conference

Dr. Souad MOUASSA

Preamble

Nowadays, the international community has significant geo-science knowledge and skills necessary for providing essential resources and promoting sustainable development for the benefit of humanity. In this planetary objective, geoscientific expertise is the tool which provides important information for the knowledge of mineral, energy and biological resources, technically reliable, economically affordable and sociologically feasible.

Considering the recommendations of the experts and participants of the first edition (2021), the Second International Conference on Geo-Sciences and Environment (ICGSE2022), will be held on September 17 and 18, 2022 at the University of Mustapha STAMBOULI (Mascara, Algeria) in order to open up the debate on different scientific skills in the fields of geology, hydrology, hydrogeology and environmental sciences.

Through its interdisciplinary program, this second meeting will also provide a real platform for sharing respective experiences between proven researchers, managers and decision-makers, so as to discuss the most recent concerns and to present pragmatic solutions to the environmental challenges encountered as well.

The involvement of new doctoral students in useful research, oriented towards the strategic objectives of the country, namely meeting the challenge of a global and sustainable development of the national territory is strongly requested by the organizers and experts of this scientific event.

The main axes selected for the ICGSE2022 meeting deal with an innovative tendency, both in terms of exploration of natural resources (soil, water, useful deposits, biological resources, etc.) and preservation of the environmental quality of living spaces, the only guarantee of the promotion of sustainable development.

These are the objectives of this Second international Conference on Geo-sciences and Environment, through which the organizers will try to involve Algerian and foreign specialists in the concerned fields in order to share their experience and serve the development and growth of our society.

Hence, geologists, hydrologists, hydrogeologists and environmental science specialists interested in this issue are invited to submit their abstracts for participation either by oral communication or poster display.

The 2nd ICGSE (2022) will go ahead online.

All submissions will be reviewed by 2 reviewers

**The languages of the Conference
are Arabic, English and French.**

Registration Fees

Free

Organizing Committee

Dr. **Benali BENZATER** (Mascara University, **President**)
Dr. Benaoumeur BAKHTI (Mascara University)
Dr. Merine BENGARNIA (Mascara University)
Dr. Imad BOUCHEMLA (Mascara University)
Dr. Driss BOUGUENNA (Mascara University)
Dr. Abdelmoumen GARAH (Batna 2 University)
Dr. Anouar HACHEMAOUI (Mascara University)
Dr. Kaddour MILOUDI (Mascara University)
Dr. Djilali MOULAI (Mascara University)
Dr. Oumeria OUAFRIGH (Mascara University)
Dr. Mohamed Amine ZAIDI (Mascara University)

Scientific Committee

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Dr. Abdelkader ABBACHE (Mascara University, Algeria)
Pr. Mohammed ADACI (Tlemcen University, Algeria)
Pr. Samir B. BEKKOUSSA (Mascara University, Algeria)
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Dr. Amine CHERIF (Ouargla University, Algeria)
Dr. Ismail DABANLI (Istanbul Technic University, Turkey)
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Pr. Gamal EL QOT (Benha University, Egypt)
Pr. Bruno FEREE (Saint Étienne du Rouvray, France)
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Pr. Younes HAMED (Gafsa University, Tunisia)
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Pr. Nassima SADRATI (Annaba University, Algeria)
Pr. Mariusz SALAMON (Silésie University, Poland)
Pr. Abdel El Madjid SEDDIKI (Oran 2 University, Algeria)
Pr. Mohamed TABLIOUNA (Oran 2 University, Algeria)
Pr. Rodolphe TABUCE (Montpellier University, France)
Pr. Jean Denis TAUPIN (Montpellier University, France)
Dr. Mansour ZAAGANE (Mascara University, Algeria)

Themes

Track 1. Environmental Geology and Dynamic Tectonics

- * Sedimentology, stratigraphy, paleontology, and geochronology
- * Structural and tectonic geology
- * Magmatism and geochemistry

Track 2. Hydrology

- * Climate change, adaptation, observation
- * Extreme events (drought, floods, etc.)
- * Treatment, recycling and reuse of non-conventional water resources
- * Water desalination: innovation and environmental impacts
- * Water sustainability and climate change
- * Water resource management

Track 3. Hydrogeology and Environment

- * Hydrogeochemistry and water-rock interactions
- * Isotope hydrology
- * Groundwater models, water resources management and protection
- * Coastal aquifer and marine invasion
- * Karst aquifers, vulnerability to pollution
- * Surface water : quality and pollution
- * Soil pollution and decontamination.

Important Dates and Contact

* Deadline for abstract submission (1 page / max. 500 words): **June 01, 2022.**

* Notification of Acceptance/Rejection: **July 01, 2022.**

* After acceptance of your abstract, you will be invited to submit your presentation. Oral communications (10 mn) and electronic posters (5 mn) must be submitted (see the link below) before **August 01, 2022**, as pptx files with narration.

E-Mail : ICGSE-track1@univ-mascara.dz

E-Mail : ICGSE-track2@univ-mascara.dz

E-Mail : ICGSE-track3@univ-mascara.dz

Online submission and templates download:

https://script.google.com/macros/s/AKfycbxqIQSgWfV06DJoI7jm7R0NoS_o7q2ofz84V DdbICrwQJxMDSWgIk2ytORKMvUVWfP1jw/exec

Conference Chairperson: Abdelkader ELOUISSI

Abdelkader ELOUISSI received his PhD in Hydraulics from the Abou Bakr Belkaid University of Tlemcen, Algeria. He is a Professor of Hydrology and Data Analysis in Mustapha Stambouli University of Mascara, Algeria. He is a reviewer of many journals. He has published many papers in scientific journals and conferences mainly water sciences.

Scientific Committee Chair: Madani BENYOUCEF

Madani BENYOUCEF currently is Professor at the Mustapha Stambouli University of Mascara (Algeria), and Director of Geomatics, Ecology and Environment Research Laboratory. His main research interests are stratigraphy, the palaeontology and the sedimentology of the Upper Cretaceous of southern Algeria. He has participated in several projects that involve the palaeontology and ichnology from the Phanerozoic of Algeria. He is the author of more than 50 scientific papers in journals of the Science Citation Index.

Organizing Committee Chair: Benali BENZATER

Benali BENZATER received his PhD in Earth sciences from the Mustapha Stambouli University of Mascara, Algeria. He is a Professor of Hydrology and Climatology in Mustapha Stambouli University of Mascara. His area of interest is the study of extreme daily rainfall and projections.

We are excited to announce our keynote speakers presenting at the Second International Conference on Geo-Sciences & Environment :

Conference. 1

Algeria: an window to the mammalian faunas of the African Paleogene

By Rodolphe TABUCE

After a doctorate in evolutionary biology at the University of Montpellier and then a postdoctoral stay at the Lisbon Academy of Sciences, Rodolphe TABUCE was recruited at the CNRS in 2006 and detained at the Institute of Evolutionary Sciences in Montpellier where he conducts paleontological research on the evolutionary history of Paleogene mammals from Europe and Africa (Algeria, Tunisia, Morocco and Senegal). His fieldwork in Algeria, carried out in collaboration with teams from Tlemcen and Oran universities, was mainly carried out in the continental Eocene of Gour Lazib (provinces of Bechar and Tindouf). He is currently directing a multidisciplinary program in the south of France dealing with the impact of Ypresian climate change on the evolutionary history of mammals.

Conference. 2

African pleurodiran turtles: an update on their fossil record and evolutionary history.

By Adán PEREZ GARCIA

Adán PEREZ GARCIA is a researcher at the Evolutionary Biology Group of the National University of Distance Education (Madrid, Spain), and an Associate Professor at the Faculty of Sciences of that University. His main field of research corresponds to the study of the evolutionary history of the turtles, both European forms and taxa related to them that inhabited other continents, especially Africa. He is the author of more than 120 scientific papers in journals of the Science Citation Index, and of more than 250 contributions presented in specialized scientific conferences. He has described more than 25 new genera and more than 20 new species of turtles, as well as several taxa corresponding to other groups of reptiles.

Conference. 3

Mise en évidence des processus naturel/anthropique de salinisation des nappes phréatiques en milieu semi aride, cas d'étude en Tunisie et au Brésil.

By Jean Denis TAUPIN

Jean Denis Taupin had a doctorate at the University of Paris XI-Orsay then an Habilitation to Direct Research (HDR) at the University of Paris XI-Orsay. He held the rank of Chargé de Recherche Hors Classe (CRHC) (senior researcher) at the Research Institute for Development. His current research areas are the use of natural isotopic tools in the study of the water cycle, study of relationship between water isotope /current climate: isotopy of precipitation in South America (Ecuador and Colombia) and in the Mediterranean area (Tunisia and France), and the use of isotopes as process tracers in groundwater (projects in France, Tunisia, Algeria, Morocco, Ecuador, Colombia and Brazil). He is the author of several publications in Science Citation Index journals.

Conference. 4

Fish fauna from the Upper Cretaceous of Africa and their palaeogeographical signal

By Lionel CAVIN

Paleontology at the Natural History Museum in Geneva, Switzerland. Lionel CAVIN does research in paleontology and biogeography, with a particular interest in Mesozoic bony fishes. His work in North Africa focuses on the reconstruction of paleoenvironments and the paleogeographic signal of freshwater fish assemblages.

Conference. 5

Climate change disaster management

By Ismail DABANLI

Ismail DABANLI received his Bachelor and Double Major degrees from Civil Engineering Department and Architecture Department at Istanbul Technical University in 2010 and 2011 respectively. In 2016, he joined Clemson University, Glenn Department of Civil Engineering as a visiting scholar in South Carolina (USA) for climate change and drought research. He obtained a PhD degree from Istanbul Technical University, Hydraulics and Water Resources Program in 2017. In the same year, he contributed to Medipol University Civil Engineering Department establishment as a Co-Head. In 2018, he became Co-Director of Climate Change Research Center at Medipol University. He received Associate Prof degree in 2019 and since March 2021, he has been working at Istanbul Technical University, Civil Engineering Department. He got lots of international papers in fields of Climate Change, Drought, Hydrology and Adaptation. Now, he focuses on his research in the same fields.

Conference. 6

Application des statistiques multivariées pour la compréhension du fonctionnement hydrochimique du système aquifère d'Oued Fekan

By Samir Belkacem BEKKOUSSA

Samir Belkacem BEKKOUSSA is an Algerian teacher-researcher working at Mustapha Stambouli University of Mascara for more than 20 years. His areas of interest are water resources, hydrogeology, hydrochemistry, groundwater modeling and water quality.

On the sidelines of the ICGSE 2022 Conference, the organizers want to honor two icons of the Algerian university. They are Pr. **Mustapha BENSALAH** (Tlemcen University) and Pr. **Khéloufi BENABDELI** (Mascara University).

Researcher since the end of the 1970s and assistant professor since 1977, then professor at the University of Abou Bekr Belkaid since 2000, Mustapha BENSALAH is a specialist in the geology of continental and marine sedimentary terrains who has acquired a worldwide reputation for his work on, in particular, continental Eocene and Upper Cretaceous. He also conducts research in the field of applied geology. He held several administrative responsibilities (Head of the Geology Department, Director of the Research Laboratory and Dean of the SNV-STU Faculty of the University of Tlemcen) and international projects (CMEP 1986-1995 and 2001-2005 with the University of Lyon 1, PICS 2004-2008 with the University of Montpellier and Tassili Agreement with the University of Brest, GRAAG, USTHB of 2010-2013, PICG UNESCO 1986-1989). He has also worked closely with the founding members of the national geological service of Algeria and is a member of the scientific committee of ASGA (Agence du Service Géologique de l'Algérie). Beyond his research activities, Mustapha BENSALAH is known to the public through his function as Judicial Expert and Expert in Geological and Mining Sciences since 2003 with the Ministry of Mines and environmental expert with the supervisory ministry.

Khéloufi BENABDELI obtained his doctorate in Applied Ecology at the University of Aix-Marseille III (France) and in Biology at the D. Liabes University of Sidi Bel Abbes (Algeria). He taught at the D. Liabes University of Sidi Bel Abbes and the University of Mascara. He has held several positions of responsibility (Regional Development Project Manager, Regional Director and Deputy Director General of a development office). He has published 86 articles in international journals and four books. To date, Khéloufi BENABDELI supervises doctoral students for their research work.



Abdelkader ELOUISSI
(Algeria)



Madani BENYOUCEF
(Algeria)



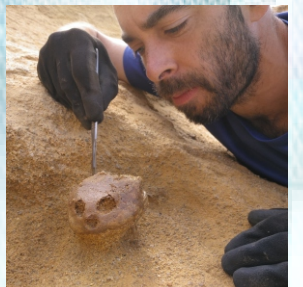
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(France)



Adán PEREZ GARCIA
(Spain)



Lionel CAVIN
(Switzerland)



Ismail DABANLI
(Turkey)



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(Algeria)



Belkacem BEKKOUSSA
(Algeria)



Mustapha BENSALAH
(Algeria)