

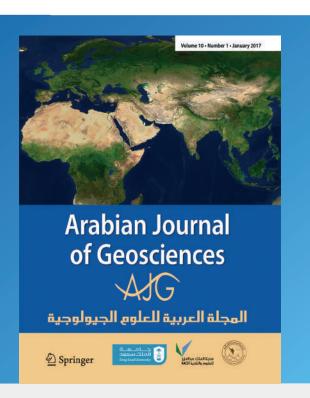


1ST CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES (CAJG)

12 - 15
NOVEMBER
2018
TUNISIA



Celebrating
10 successful
years



Arabian Journal of Geosciences

On the occasion of the journal's

10th Anniversary, Springer and the
Founder & Editor-in-Chief
Prof. Abdullah Al-Amri
have organised the 1st Conference of
the Arabian Journal of Geosciences



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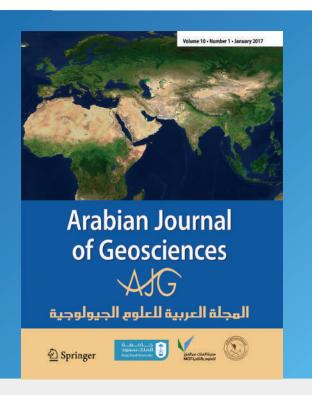


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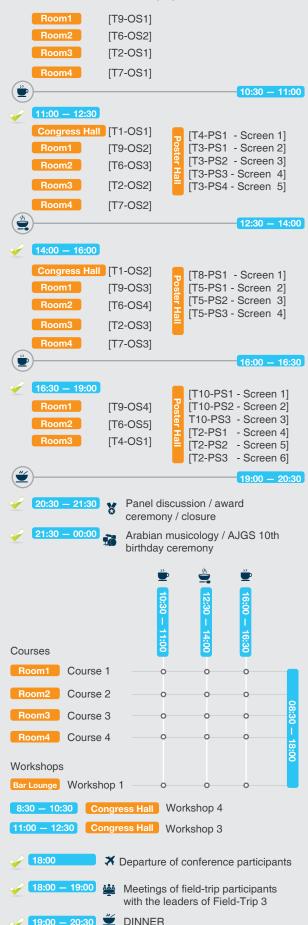


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Nov.



About the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018

The Arabian Journal of Geosciences (AJGS) is a Springer journal publishing original articles on the entire range of Earth sciences in partnership with the Saudi Society for Geosciences. The journal focuses on, but not limited to, research themes which have regional significance to the Middle East, the Euro-Mediterranean, Africa and Asia. The journal receives on average 2000 submissions a year and accepts around 500 papers for publication in its 24 annual issues (acceptance rate 25%). It enjoys the participation of an editorial team of 100 international Associate Editors who generously help in evaluating and selecting the best papers.

Arabian Journal of Geosciences

In 2008, Prof. Abdullah Al-Amri, in close partnership with Springer, founded the Arabian Journal of Geosciences (AJGS). In this year, the journal celebrates its 10th anniversary. On this occasion and to mark this event, the Founder and Editorin-Chief of the AJGS Prof. Al-Amri organized in close collaboration with Springer the 1st Conference of the Arabian Journal of Geosciences (1st CAJG) in Hammamet, Tunisia from 12 to 15 November 2018 (www.cajg.org).

The conference was an occasion to endorse the journal's long-held reputation for bringing together leading authors from the Middle East, the Euro-Mediterranean, Africa and Asia who work at the wide-ranging fields of Earth sciences. The dynamic four-day conference provided more than 450 attendees with opportunities to share their latest unpublished findings and learn the newest geosciences studies. The event also allowed attendees to meet and discuss with the journal's editors and reviewers.

More than 950 short contributed papers to the conference were submitted by authors from more than 70 countries. After a pre-conference peer-review process by more than 500 reviewers, 700 papers were accepted. These papers were published as chapters in the conference proceedings by Springer.

The conference proceedings consist of 10 edited volumes, each edited by the following group of Editors:

Proceedings Volume 1. Patterns and Mechanisms of Climate, Paleoclimate and Paleoenvironmental Changes from Low-Latitude Regions

- Zhihua Zhang (AJGS Editor): Beijing Normal University, Beijing, China
- Nabil Khélifi (AJGS Editor): Earth Sciences Editorial Department, Springer, Heidelberg, Germany
- Abdelkader Mezghani (Guest Editor): Norwegian Meteorological Institute, Norway
- Essam Heggy (Guest Editor): University of Southern California & NASA Jet Propulsion Laboratory, Caltech, USA

Proceedings Volume 2. Advances in Remote Sensing and Geo Informatics Applications

- Hesham M. El-Askary (Guest Editor): Schmid College of Science and Technology at Chapman University, USA
- Saro Lee (AJGS Editor): Korea Institute of Geoscience and Mineral Resources, Daejeon, South Korea
- Essam Heggy (Guest Editor): University of Southern California & NASA Jet Propulsion Laboratory, Caltech, USA
- Biswajeet Pradhan (AJGS Editor): University of Technology Sydney, Sydney, Australia

Proceedings Volume 3. Recent advances in geoenvironmental engineering, geomechanics and geotechnics, and geohazards

Amjad Kallel (AJGS Editor): ENIS, University of Sfax, Tunisia

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- Pinnaduwa Kulatilake (AJGS Editor): Department of Materials Science and Engineering, The University of Arizona, USA
- Sanjay Kumar Shukla (AJGS Editor): School of Engineering, Edith Cowan University, Perth, Australia

Proceedings Volume 4. Exploring the Nexus of Geoecology, Geography, Geoarcheology and Geotourism

- Haroun Chenchouni (AJGS Editor): University of Tebessa, Algeria
- Ezzoura Errami (Guest Editor): Chouaïb Doukkali University,
 El Jadida, Morocco
- Fernando Rocha (Guest Editor): University of Aveiro, Portugal
- Luisa Sabato (AJGS Editor): Università degli Studi di Bari "Aldo Moro", Bari, Italy

Proceedings Volume 5. On Significant Applications of Geophysical Methods

- Narasimman Sundararajan (AJGS Editor): Sultan Qaboos University, Muscat, Oman
- Mehdi Eshagh (AJGS Editor): University West, Trollhättan, Sweden
- Hakim Saibi (AJGS Editor): United Arab Emirates University,
 Al-Ain, Abu Dhabi, UAE
- Mustapha Meghraoui (AJGS Editor): Université de Strasbourg, Strasbourg, France
- Mansour Al-Garni (AJGS Editor): King Abdulaziz University, Jeddah, Saudi Arabia
- Bernard Giroux (AJGS Editor): Centre Eau Terre Environnement, Québec, Canada

Proceedings Volume 6. Advances in Sustainable and Environmental Hydrology, Hydrogeology, Hydrochemistry and Water Resources

- Helder I. Chaminé (AJGS Editor): School of Engineering -ISEP, Polytechnic of Porto, Portugal
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- Ozgur Kisi (AJGS Editor): Ilila State University, Tbilisi, Georgia
- Mingjie Chen (AJGS Editor): Sultan Qaboos University, Muscat, Oman
- Broder J. Merkel (AJGS Editor): TU Bergakademie Freiberg, Freiberg, Germany

Proceedings Volume 7. Petrogenesis and Exploration of the Earth's Interior

- Domenico Doronzo (AJGS Editor): Consejo Superior de Investigaciones Cientificas, Spain
- Emanuela Schingaro (AJGS Editor): Università degli Studi di Bari Aldo Moro - UniBa, Italy
- John S. Armstrong-Altrin (AJGS Editor): The National Autonomous University of Mexico, Mexico
- Basem Zoheir (Guest Editor): Benha University, Egypt & University of Kiel, Germany

Proceedings Volume 8. Advances in Petroleum Engineering and Petroleum Geochemistry

- Santanu Banerjee (AJGS Editor): Indian Institute of Technology Bombay, Mumbai, India
- Reza Barati (AJGS Editor): The University of Kansas, Lawrence, KS, USA
- Shirish Patil (Guest Editor): Saudi Aramco and King Fahd
 University of Petroleum and Minerals, Dhahran, Saudi Arabia

Proceedings Volume 9. Paleobiodiversity and Tectono-Sedimentary Records in the Mediterranean Tethys and Related Eastern Areas

- Mabrouk Boughdiri (AJGS Editor): University of Carthage, Amilcar, Tunisia
- Beatriz Bádenas (AJGS Editor): University of Zaragoza, Zaragoza, Spain
- Paul Selden (AJGS Editor): University of Kansas, Lawrence, Kansas, USA
- Etienne Jaillard (Guest Editor): Université Grenoble Alpes, France
- Peter Bengtson (AJGS Editor): Universität Heidelberg, Heidelberg, Germany
- Bruno R.C. Granier (AJGS Editor): Université de Bretagne Occidentale, Brest, France

Proceedings Volume 10. The Structural Geology Contribution to the Africa-Eurasia Geology: Basement and Reservoir Structure, Ore Mineralisation and Tectonic Modelling

- Federico Rossetti (Guest Editor): Università Roma Tre, Roma, Italy
- Ana Crespo Blanc (Guest Editor): University of Granada,
 Spain
- Federica Riguzzi (Guest Editor): National Institute of Geophysics and Volcanology, Roma, Italy
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- Vasilios Kapsimalis (Guest Editor): Institute of Oceanography, Hellenic Centre for Marine Research, Anavyssos, Greece

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Abdullah M. Al-Amri, Saudi Arabia: General Chairman



Founder & Editor-in-Chief Arabian Journal of Geosciences King Saud University, Riyadh, Saudi Arabia

Dr. Al-Amri holds a B.Sc. in Geology (1981) from King Saud University (KSA), a M.Sc. in Applied Geophysics (1985) from the University of South Florida (USA) and a Ph.D. degree in Earthquake Seismology (1990) from the University of Minnesota (USA). He is currently a Professor of Earthquake Seismology at King Saud University (KSU), the Director of the Seismic Studies Center at KSU, the Chairman of KSU's Geology and Geophysics Department and the President of the Saudi Society for Geosciences (SSG). He has received several international prizes and awards for scientific excellence and innovation. His research interests focus on crustal structures and seismic microzoning of the Arabian Peninsula. He has conducted more than 45 research projects, the most recent of which involved EM and MT applications in deep groundwater exploration of the Empty Quarter, and geothermal prospecting of volcanic Harrats in the Arabian shield. He has co-published 65 research articles in international indexed and refereed journals and authored several books. In 2008 Dr. Al-Amri, in close partnership with Springer, founded the Arabian Journal of Geosciences (AJGS) on behalf of the SSG. In 2018, Marquis Who's Who, the world's premier publisher of biographical profiles, proudly presented to Prof. Abdullah M. Al Amri with the Albert Nelson Marquis Lifetime Achievement Award.

Nabil Khélifi, Germany: Conference Supervisor



Senior Publishing Editor
Springer Middle East & North African Program
Springer, a part of Springer Nature
Heidelberg, Germany

Dr. Khelifi holds a BSc in Natural Sciences and a MSc in Earth & Environmental Sciences from the University of Sfax in Tunisia (2004). He received fellowships from the global change System for Analysis, Research and Training (START) in 2005 and the German Academic Exchange Service (DAAD) from 2006 to 2010 to continue with his PhD studies in Marine Geosciences at the University of Kiel in Germany. After his PhD in 2010, Dr. Khelifi received a postdoctoral research grant from the German Science Foundation (DFG) to start his self-designed research projects at the GEOMAR - Ocean Research Centre in Kiel, Germany on reconstructing past changes in oceanography and climate in the North Atlantic and the Mediterranean Sea using marine sediment samples retrieved by the International Ocean Drilling Program (IODP) and applying foraminiferal and geochemical proxy methods. He published his research work in some reputable journals. Dr. Khelifi also received funding from the European Science Foundation (ESF) and some European universities to co-organize two workshops on Pliocene climate in Bordeaux, France (2009) and Bristol, UK (2013). He also received the Swiss Government Excellence Scholarship (SGES) to continue with his research projects at ETH Zurich, Switzerland in early 2014. However, he decided in March 2014 to pursue his career as a Publishing Editor with Springer, a part of Springer Nature in Heidelberg, Germany. He is mainly responsible for developing the Springer's publishing program in the Middle East & North Africa (MENA). The program currently consists of developing 18 journals and publishing about 40 scientific books every year. In January 2017, he got promoted to Senior Publishing Editor with Springer. Dr. Khelifi also helps researchers in MENA countries publish their work by delivering educational seminars for authors, reviewers, and journal editors to help improve publication output and quality. Dr. Khelifi is also a Visiting Lecturer at the University of Carthage, Tunisia and King Saud University, KSA giving MSc and PhD courses in geo-communication/-presentations and techniques of paper publishing, as well as career development training and professional development/soft skills workshops. In 2016, Dr. Khelifi has been awarded with the Africa Green Future Leadership Award in recognition of work contributing to sustainable development through advancing science and promoting publications in Africa and Middle East.

François Roure, France: Scientific Committee Chairman



Guest of Editorial Board / Former Associate Editor Arabian Journal of Geosciences IFP – Energies Nouvelles, France

Dr. Roure is a graduate of the Ecole Normale Supérieure of St-Cloud, France, holder of a Doctorate in Sciences from the University of Paris VI. He joined the IFP's Geology-Geochemistry-Geophysics Division in 1984, following a four-year career at the CNRS. His research is predominantly focused on the study of sedimentary basins (architecture and geodynamics, thermicity, oil-bearing systems, fluid/rock interactions and reservoir characterization). He was selected as an extraordinary Professor at the Free University of Amsterdam (VU). He also chaired the working group on sedimentary basins in the International Lithosphere Program (ILP). He has contributed more than a hundred articles, published in prestigious international journals. In 2010, François Roure was honored by the EAGE (European Association of Geoscientists and Engineers), which selected him as the winner of the 2010 Wegener Award, as a recognition of his contribution to the geoscientific research in the area of petroleum exploration of frontier areas and the search for new reserves, particularly in mountain belts. Dr. Roure served the founding editorial board of the Arabian Journal of Geosciences during several years and contributed at establishing it as a reputable scientific journal in its region.

Walter D. Mooney, USA: Scientific Committee Chairman



Guest of Editorial Board Arabian Journal of Geosciences United States Geological Survey Western Region, USA

Dr. Mooney is a research seismologist and geophysicist at the United States Geological Survey (USGS), Menlo Park, California (1978 – present). He was Chief of the USGS Branch of Seismology from 1994 to 1997. Mooney was born in Floral Park (Long Island), New York and is the sixth of seven children. He attended Cornell University from 1969-1973 for his B.S in Physics. In 1976, he spent 6 months as a Graduate Fellow in Karlsruhe University, Germany. He went on to complete his Ph.D. on the Deep Structure of the South American Andes in 1979 at the University of Wisconsin-Madison. Mooney's major interest is global Earth crustal structure and tectonics, with a focus on the continental lithosphere. Mooney has led fieldwork throughout North and South America. According to Mooney his international research collaborations have provided both a rich basis for my science, and a broad cultural understanding. He has co-authored more than 170 scientific papers. Mooney has also been a visiting professor of geophysics in many different universities over the years including, Stanford University (1984-2008; 2014-present), Pierre et Marie Curie University, France (1998) and University of Kiel, Germany (1985). With Claus Prodehl of Universität Karlsuhe, Germany, Mooney wrote Exploring the Earth's Crust - History and Results of Controlled-Source Seismology. Since 2011, he has been collaborating with the Saudi Geological Survey in a study of the crustal and upper mantle structure beneath western Saudi Arabia using data from the SGS broadband seismic network. Mooney is considered a world leader in geophysical studies of the Earth's crust and upper mantle. In 1995, he was awarded the Geological Society of America's (GSA) George P. Woollard Award which is given annually to recognize a person who has made outstanding contributions to geology using geophysical methods, as well as being a Fellow of the American Geophysical Union (AGU) and the Royal Astronomical Society and the Geological Society of London. He received the Gold Medal Award in 2002 from the Indian Geophysical Union and was elected Foreign Fellow by the European Academy in 2004.

Mabrouk Boughdiri, Tunisia: Local Chairman



Associate Editor Arabian Journal of Geosciences University of Carthage, Bizerte, Tunisia

Dr. Boughdiri holds a B.Sc. in Geology (1988) from El Manar University of Tunis (Tunisia), a M.Sc. in Paleontology and Stratigraphy (1989) from the Bourgogne University of Dijon (France), a Ph.D. degree in Paleontology and Stratigraphy (1994) from the Claude Bernard University of Lyon (France) and a Habilitation in Geology (2006) from El Manar University of Tunis. He is currently a full Professor of Paleontology and Stratigraphy and the Chair of the Doctorate Commission at the Faculty of Sciences of Bizerte (University of Carthage, Tunisia). He is also the President of the Tunisian National Commission of Geological Sciences, the President of the National Commission of Co-built LMD formation at Tunisian universities and the President of the Tunisian Association of Paleontology and Stratigraphy. Since 2008, Pr. Boughdiri has been a voting member of the International Commission of Stratigraphy (Subcommission of Jurassic Stratigraphy) and, until 2016, an active member of the international Berriasian Working Group for the Jurassic-Cretaceous boundary at the International Subcomission on Cretaceous Stratigraphy (ISCS). He has received one national prize and two international awards for scientific excellence. His research interests focus on Upper Jurassic-Lower Cretaceous ammonite, calpionellid and radiolarian paleontology, biostratigraphy and paleobiogeography, mainly from the South-Tethyan Margin of the Maghreb and neighboring provinces. He has participated at (and conducted) many national and international research projects, the most recent of which involved comparative Jurassic bio-, chemo- and magnetostratigraphy of the Iberian Peninsula and the Maghreb. He has co-published many research articles in international indexed and refereed journals and chaired and/or co-organized four international thematic meetings. In 2015 Pr. Boughdiri joined the AJGS as an Associate Editor responsible for evaluating submissions in the fields of Paleontology and Life History.

Amjad Kallel, Tunisia: Evaluation Chairman



Assistant Editor Arabian Journal of Geosciences ENIS, University of Sfax, Tunisia

Dr. Kallel holds a B.Eng. in Georesources and Environment (1998) from the University of Sfax (Tunisia), a M.Sc. and a Ph.D. degree in Georesources and Environment (2004) from Hokkaido University (Japan). He joined Venture Business Laboratory (VBL) at Akita University, Japan (2005–2006) as a researcher focusing on refining and recycling technologies for recovering of rare elements from natural and secondary sources. Back in Tunisia, he started working at the University of Gabes from 2006–2011 where he contributed to the elaboration of teaching programs at the Higher Institute of Water Sciences and Technologies of Gabes. Since 2011, he has started lecturing at the Sfax National School of Engineering (University of Sfax, Tunisia). There, he has been also involved in various research projects related to Environmental Geology and Environmental Geotechnics. In 2016 Dr. Kallel joined the Arabian Journal of Geosciences (AJGS – Springer) and the Euro-Mediterranean Journal for Environmental Integration (EMJE – Springer) as an Assistant Editor supporting the Editors-in-Chief. Dr. Kallel has organized many prestigious workshops, seminars and international conferences. In 2017, he helped in launching the First Springer Euro-Mediterranean Conference for Environmental Integration (EMCEI 2017).

Biswajeet Pradhan, Australia: Publication Chairman



Associate Editor Arabian Journal of Geosciences University of Technology Sydney, Sydney, Australia

Before joining the School of Information, Systems and Modelling at the Faculty of Engineering and IT, Biswajeet was a Full Professor of GIS and Remote Sensing at the Faculty of Engineering, Universiti Putra Malaysia. He has more than nineteen years of teaching, research, and industrial experience in the field of Geospatial Information Systems. He is listed as the World's most Highly Cited researcher by Clarivate Analytic's Report in 2017 and 2016 as one of the world's most influential mind. He is a recipient of Alexander von Humboldt Research Fellowship from Germany. In 2011, he received his habilitation in "Remote Sensing" from Dresden University of Technology, Germany. He was also a recipient of German Academic Exchange Research (DAAD) Fellowship Award, the Saxony State Fellowship from 1999 to 2002, the Keith Aurtherton Research Award, and the Georg Forster Research Award from the German Government. Since February 2015, he is serving as "Ambassador Scientist" for Alexander Humboldt Foundation, Germany. He has widely travelled abroad visiting more than 55 countries to present his research findings.

He received the B.Sc. degree (with honours) from Berhampur University, India, the M.Sc. degree from the Indian Institute of Technology (IIT), Bombay, India, the M.Tech. degree in civil engineering from IIT, Kanpur, India, and the Dresden University of Technology, Dresden, Germany, and the PhD degree in GIS and Geomatics engineering from the University Putra Malaysia, Serdang, Malaysia.

Essam Heggy, USA: Publication Chairman



Guest of Editorial Board Arabian Journal of Geosciences University of Southern California & NASA Jet Propulsion Laboratory, Caltech, USA

Dr. Heggy is a Research Scientist at the Microwave Systems, Sensors and Imaging Lab (MiXIL), at the Viterbi School of Engineering at the University of Southern California and affiliate of the Rosetta project at the NASA Jet Propulsion Laboratory. Heggy obtained both his MSc. and Ph.D. respectively in 1999 and 2002 with distinguished honors from the Paris VI University in France (UPMC-Sorbonne). His research focuses on understanding water evolution in Earth's arid environments as well as planetary surfaces using radar surface and subsurface characterization methods. His research particularly focuses on understanding volatile evolution in the North African Sahara and Arabian Peninsula, as well as Mars, the Moon, Jovian Icy satellites and Near-Earth Objects. His work involves probing structural, hydrological and volcanic elements in terrestrial and planetary environments using different types of radar imaging and sounding techniques as well as measuring the electromagnetic properties of rocks in the radar frequency range. He is currently a member of the science team of the MARSIS instrument aboard the Mars Express orbiter (2003-present), the Mini-SAR experiment aboard Chandrayaan-1, the Mini-RF experiment on board the Lunar Reconnaissance Orbiter (2008-present), the CONSERT radar experiment aboard the Rosetta mission (2004-present) and the WISDOM GPR onboard ExoMars 2020 Rover (2008 to Present). He also edited a special JGR-Planets (AGU) volume on terrestrial and planetary radars. He is on the founding editorial board of the Journal of Arctic Geoscience ARKTOS (Springer), Geosciences (MDPI), National Geographic and co-chaired several sessions in international conferences and workshops on terrestrial and planetary radar subsurface imaging including AGU, LPSC and IEEE meetings.

Hakim Saibi, UAE: Program Chairman



Associate Editor / Assistant Editor Arabian Journal of Geosciences United Arab Emirates University, Al-Ain, Abu Dhabi, UAE

Dr. Saibi holds a B. Sc. in Geology (2000) and a M. Sc. in Hydrogeology (2003) from University of Science and Technology Houari Boumediene (Algeria) along with a Ph.D. degree in Earth Resources Engineering (2007) from Kyushu University (Japan). He is currently an Associate Professor at Geology Department, United Arab Emirates University (UAE). From 2007 to 2009, he was a Post-Doctoral fellow (Japan Society for the Promotion of Science) at Kyushu University, Japan. In 2009, he received a business degree at the Innovation Training Program for R" & "D and Business Leaders of Kyushu University and completed training at The Matsushita Institute of Government and Management in Kanagawa, Tokyo. From 2010 to 2016, he was an Associate Professor at the Department of Earth Resources Engineering at Kyushu University in Japan, where he developed new courses in Geophysics, Physics and supported students in their international internships. He developed international connections between Japanese universities and north African universities and helped in organizing international conferences on Earth sciences. His research interests focus on exploration geophysics in general and developing new 2D and 3D geophysical codes for gravity and magnetic methods specially, 2D/3D Magnetotelluric for geothermal exploration, geothermal reservoir simulation, Artificial Neural Network in geophysics, volcanology, GIS and remote sensing and hydrochemistry. He has published more than 40 International Journal papers, 60 proceedings in international conferences, 3 books and one book chapter. His publications covered 13 different countries from Asia, Africa and central America. He has supervised more than 10 M. Sc. and Ph.D. theses. In 2017 Dr. Saibi joined the AJGS as an Assistant Editor supporting the Editor-in-Chief, and as an Associate Editor responsible for evaluating submissions in the fields of Geophysics.

Domenico Doronzo, Spain: Program Chairman



Associate Editor / Assistant Editor Arabian Journal of Geosciences Consejo Superior de Investigaciones Cientificas, Spain

Dr. Doronzo holds a B.Sc. in Earth Sciences (2005), a M.Sc. in Earth Sciences (2007) and a Ph.D. degree in Earth Sciences (2011) from Università degli Studi di Bari (Italy). Theses and specialties related to the degrees are petrology-volcanology, experimental volcanology and physical volcanology, respectively. He is currently an Assistant Professor of rock physics at the National Autonomous University of Mexico (Mexico). He has received the Rittmann Medal in 2014 from Associazione Italiana di Vulcanologia (AIV), which is assigned to the best young Italian volcanologist. His research interests focus on integrating theory, field, numerical modeling, experiments and laboratory to study geological processes and products in volcanic areas from a fluid dynamic perspective. His current investigation consists of physically characterizing porous and fractured rocks in areas of geothermal and petroleum interest. He also studies dust storms, subaqueous gravity currents and man-made environmental phenomena for hazard assessment. He has recently coordinated the Topical Collection on Dust for the Arabian Journal of Geosciences (AJGS). In 2014 Dr. Doronzo joined the AJGS as an Associate Editor responsible for evaluating submissions in the fields of Petrology, Volcanology and Geothermal Research, and in 2017 as an Assistant Editor supporting the Editor-in-Chief.

Mohamed Ksibi, Tunisia: Communication Chairman



Guest of Editorial Board Arabian Journal of Geosciences ISBS, University of Sfax, Tunisia

Dr. Ksibi is the Director of the High Institute of Biotechnology at the University of Sfax (Tunisia). Dr. Ksisi obtained his M.Sc. (1989) and PhD (1993) degrees in Applied Chemistry from the University of Poitiers (France). He also gained the Habilitation (HDR) in Chemistry from the University of Sfax, Tunisia (2003). Afterwards, he received a one-year postdoctoral research fellowship at the National Institute of Scientific and Technical Research (Tunisia, 1995) and then was appointed as an Adjunct Professor in Chemistry (1996), Assistant Professor (1999), Associate Professor (2004) and as a full Professor of Chemistry (2009) at the University of Sfax, Tunisia. His research focuses on chemicals in the environment, water and wastewater treatment and reuse. He developed new methods for toxicity assessment of water containing various pollutants (dyes, phenolic and pharmaceutical compounds, pulp and paper mills pollute water, domestic wastewater, ...etc.) after applying different wastewater treatment techniques. Dr. Ksibi has been involved in establishing several joint scientific projects with Moroccan, Portuguese, German and Japanese scientists aiming at studying the quantification and risk assessment of emerging organic contaminants and heavy metals in soil and surface waters in Tunisia. Most recently, he has been participating at the NATO-SfP project 'Remediation Processes in Uranium and other Mining Explorations'. Dr. Ksibi is currently the Managing Editor of the Euro-Mediterranean Journal for Environmental Integration (Springer). In 2017, he helped in launching the First Springer Euro-Mediterranean Conference for Environmental Integration (EMCEI 2017).

Mohamed Sahbi Moalla, Tunisia: Conference Manager



Coordinator Arabian Journal of Geosciences ISET, University of Sfax, Tunisia

Mohamed Sahbi Moalla is a lecturer at the Department of Information Technology of the Higher Institute of Technological Studies of Sfax (ISET Sfax) in Tunisia. He is a founding member of the ISET's LPI Training Center and the Cisco Academy. He is a senior consultant in computer security and information systems architecture, certified Cisco IT Essentials. Besides, he is a Risk Manager ISO 27005, Google Apps Education Qualified Lead Implementer ISO 27001, Kaspersky Certified Professional, HTML developer, CSS developer, StonGate Firewall Engineer, and StonGate Firewall Architect. He is the Journal Editorial Coordinator of the (Springer) Euro-Mediterranean Journal for Environmental Integration at the University of Sfax, Tunisia. He managed the organization of 35 international conferences. Since 2014, Mohamed Sahbi Moalla together with Boubaker Elleuch (Professor at ENI-Sfax) organized three editions of the International Conference on Integrated Environmental Management for Sustainable Development (ICIEM 2014, 2016 and 2018). In 2017, in collaboration with Nabil Khélifi (Senior Editor, Springer), he launched the First Springer Euro-Mediterranean Conference for Environmental Integration (EMCEI 2017).





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- Essam Heggy: University of Southern California & NASA Jet Propulsion Laboratory, Caltech, USA
- Luca Basilone: University of Palermo, Palermo, Italy
- Michael Sarnthein: University of Kiel, Germany & University of Innsbruck, Austria
- Nabil Khélifi: Earth Sciences Editorial Department, Springer, Heidelberg, Germany

Track 2. Geo-informatics, remote sensing, geodesy

- Alok Porwal: Indian Institute of Technology Bombay (IITB), Mumbai, India
- Biswajeet Pradhan: University of Technology Sydney, Sydney, Australia
- Erhan Tercan: Hacettepe University, Ankara, Turkey
- Gongwen Wang: China University of Geosciences, Beijing, China
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- Ibrahim Demir: The University of Iowa, USA
- Joseph L. Awange: Curtin University, Australia
- Marouane Temimi: Masdar Institute of Science and Technology, Abu Dhabi, UAE
- Michel Kasser: School of Business and Engineering Vaud, Yverdon-les-Bains, Switzerland
- Nilanchal Patel: Birla Institute of Technology Mesra, Ranchi, Jharkhand, India
- Saro Lee: Korea Institute of Geoscience and Mineral Resources, Daejeon, South Korea
- Chandrashekhar Biradar: International Center for Agricultural Reseach in Dry Areas (ICARDA), Cairo, Egypt
- Essam Heggy: University of Southern California & NASA Jet Propulsion Laboratory, Caltech, USA
- Fares Howari: College of Natural and Health Sciences, Abu Dhabi, UAE
- Hamid Reza Pourghasemi: College of Agriculture, Shiraz University, Shiraz, Iran
- Hesham M. El-Askary: Schmid College of Science and Technology at Chapman University, USA

- Jean-Paul Deroin: Université de Reims Champagne-Ardenne, Reims, France
- Mohamed O. Arnous: Suez Canal University, Ismailia, Egypt
- Murat Yakar: Mersin University, Engineering Faculty, Mersin, Turkey
- Petri Pellikka: University of Helsinki, Helsinki, Finland
- Rifaat M. Abdalla: Sultan Qaboos University, Department of Earth Sciences, Muscat, Oman
- Stathis C Stiros: Patras University, Patras, Greece
- T. V. Ramachandra: Indian Institute of Science, Bangalore, India
- Zhe Zhu: Texas Tech University, Lubbock, USA

Track 3. Geoenvironmental engineering, geomechanics and geotechnics, geohazards

- Adil K. Al-Tamimi: American University of Sharjah, Sharjah, UAE
- Ali Karrech: The University of Western Australia, Australia
- Anna Maria Ferrero: University of Turin, Italy
- António Viana Da Fonseca: University of Porto, Portugal
- Candan Gokceoglu: Hacettepe University, Turkey
- Dave Giles: University of Portsmouth, UK
- Debasis Deb: Indian Institute of Technology, Kharagpur, India
- Feng Dai: Sichuan University, Chengdu, Sichuan, China
- Gemmina Di Emidio: Ghent University, Belgium
- Isik Yilmaz: Cumhuriyet University, Sivas, Turkey
- Marco Barla: Politecnico di Torino, Torino, Italy
- Maria Rita Migliazza: Università degli Studi di Milano, Italy
- Murat Karakus: University of Adelaide, Australia
- Nadia Mokni: Institut de Radioprotection et de Sûreté Nucléaire, Fontenay-Aux-Roses, France
- Pinnaduwa Kulatilake: Department of Materials Science and Engineering, The University of Arizona, USA
- Ramdane Bahar: University of Sciences and Technology Houari Boumediene of Algiers, Algeria
- Sanjay Kumar Shukla: School of Engineering, Edith Cowan University, Perth, Australia
- Slobodan B. Mickovski: Glasgow Caledonian University, Glasgow, Scotland, UK
- Wissem Frikha: National School of Engineers of Tunis, Tunisia
- Zeynal Abiddin Erguler: Dumlupinar University, Kutahya, Turkey
- Zhen-Dong Cui: China University of Mining and Technology, Xuzhou, Jiangsu, China

- Zhien Zhang: Chongqing University, China
- Ali Lashkari: Shiraz University of Technology, Shiraz, Iran
- Amjad Kallel: ENIS, University of Sfax, Tunisia
- Domenico Lombardi: School of Mechanical, Aerospace & Civil Engineering, University of Manchester, UK
- Hany Farouk Shehata: Soil-Structure Interaction Group in Egypt (SSIGE), Cairo, Egypt
- Janusz Wasowski: National Research Council Research Institute for Geo-hydrological Protection, Bari, Italy
- John L. Zhou: University of Technology Sydney, Sydney, Australia
- Rafigul A. Tarefder: University of New Mexico, USA
- Sadok Benmebarek: Biskra University, Algeria
- Saffet Yagiz: School of Mining & Geosciences, Nazarbayev University, Astana, Kazakhstan

Track 4. Geography, geoecology, geoarcheology, geotourism

- Haroun Chenchouni: University of Tebessa, Algeria
- Sheryl Luzzadder-Beach: The University of Texas at Austin, TX, USA
- Luisa Sabato: Università degli Studi di Bari "Aldo Moro", Italy
- Ezzoura Errami: Chouaïb Doukkali University, El Jadida, Morocco
- Fernando Rocha: University of Aveiro, Portugal

Track 5. Geophysics, seismology

- Abderrahim Jardani: Université de Rouen, Rouen, France
- Abdullah Al-Amri: King Saud University, Saudi Arabia
- Ali Dehghani: University of Hamburg, Hamburg, Germany
- Bernard Giroux: Centre Eau Terre Environnement, Québec, Canada
- Cesare Comina: University of Turin, Italy
- Dikun Yang: University of British Columbia, Canada
- Gordon Cooper: University of the Witwatersrand, Johannesburg, South Africa
- Hakim Saibi: United Arab Emirates University, Al-Ain, Abu Dhabi, UAE
- Hesham El-Araby: King Saud University, Riyadh, Saudi Arabia
- LiZhen Cheng: Université du Québec en Abitibi-Témiscamingue, Québec, Canada
- Mansour Al-Garni: King Abdulaziz University, Saudi Arabia
- Maxim Smirnov: Luleå University of Technology, Sweden
- Mehdi Eshagh: University West, Trollhättan, Sweden
- Mohammed Farfour: Sultan Qaboos University, Muscat,

Oman

- Mustapha Meghraoui: Université de Strasbourg, Strasbourg, France
- Myriam Schmutz: Bordeaux-INP, Pessac, France
- Narasimman Sundararajan: Sultan Qaboos University, Muscat. Oman
- Rezene Mahatsente: The University of Alabama, AL, USA
- Assia Harbi: Centre of Research of Astronomy, Astrophysics and Geophysics, Alger, Algeria
- Giulio Vignoli: University of Cagliari, Cagliari, Italy & Geological Survey of Denmark and Greenland, Aarhus, Denmark
- Hakim Gabtni: Technopole Borj Cedria, Tunis, Tunisia
- Marcelo Assumpção: Geophysics Department, University of São Paulo, Brazil
- Martin Mai: King Abdullah University of Science and Technology (KAUST), Saudi Arabia
- Said Maouche: Center for Research in Astronomy and Astrophysics Geophysics, Algeria
- Tuncay Taymaz: Istanbul Technical University, Turkey
- Tuna Eken: Istanbul Technical University, Turkey
- Walter D. Mooney: United States Geological Survey Western Region, USA
- Zuhair Hasan El-Isa: University of Jordan, Amman, Jordan

Track 6. Hydrology, hydrogeology, hydrochemistry

- Angela Vallejos: Polytechnic School, University of Almeria, Spain
- Antonio Pulido Bosch: University of Almeria, Spain
- Broder J. Merkel: TU Bergakademie Freiberg, Freiberg, Germany
- Fernando A.L. Pacheco: Trás-os-Montes and Alto Douro University – UTAD, Portugal
- Haw Yen: Blackland Research & Extension Center, Texas A&M University, USA
- Helder I. Chaminé: School of Engineering ISEP, Polytechnic of Porto, Portugal
- Lahcen Zouhri: Institut Polytechnique LaSalle Beauvais, France
- Lassâad Dassi: University of Sfax, Sfax, Tunisia
- Maurizio Barbieri: University of Rome La Sapienza, Italy
- Mikael Motelica-Heino: CNRS Orleans Campus, Orléans, France
- Mingjie Chen: Sultan Qaboos University, Muscat, Oman
- Ozgur Kisi: lila State University, Tbilisi, Georgia

- Pradeep Naik: Rajiv Gandhi National Ground Water Training
 Research Institute, India
- Tajudeen Muhammad Iwalewa: Harvard University, Massachusetts, USA
- Abdelazim Negm: Zagazig University, Egypt
- Enrico Drioli: University of Calabria, Italy & Hanyang University, Seoul, South Korea
- Gil Mahé: IRD/HydroSciences Montpellier, France
- Habib Abida: University of Sfax, Tunisia
- Kamel Zouari: University of Sfax, Tunisia
- Mohamed Meddi: Ecole Nationale Superieure d'Hydraulique (ENSH), Blida, Algeria
- Nadhir Al-Ansari: Lulea University of Technology, Lulea, Sweden
- Pablo León Higueras: Institute of Applied Geology, University of Castilla-La Mancha, Almadén (Ciudad Real), Spain
- Tefaruk Haktanir: Erciyes University, Kayseri, Turkey

Track 7. Mineralogy, geochemistry, petrology and volcanology

- Domenico Doronzo: Consejo Superior de Investigaciones Cientificas, Spain
- Emanuela Schingaro: Università degli Studi di Bari Aldo Moro
 UniBa, Italy
- John S. Armstrong-Altrin: The National Autonomous University of Mexico, Mexico
- Mehmet Sabri Çelik: Istanbul Technical University, Turkey
- Shifeng Dai: China University of Mining and Technology, Beijing, China
- Thilo Rennert: University of Hohenheim, Stuttgart, Germany
- Yalcin Ersoy: Dokuz Eylul University, Izmir, Turkey
- Abderrahmane Bendaoud: University of Science and Technology Houari Boumedienne, Algiers, Algeria
- Aniket Chakrabarty: Indian Institute of Science Education and Research Tirupati, Andhra Pradesh, India
- Ali Sdiri: ENIS, University of Sfax, Tunisia
- Ali Tlili: University of Sfax, Tunisia
- Antoine Mulaba: Faculty of Engineering and the Built Environment (FEBE), South Africa
- Basem Zoheir: University of Kiel, Germany
- Carlos J. Garrido: The Andalusian Earth Sciences Institute CSIC & University of Granada, Spain
- Fernando Rocha: University of Aveiro, Portugal
- İskender Işık: Dumlupinar University, Kutahya, Turkey
- Kamal A. Ali: Faculty of Earth Sciences, King Abdulaziz University, Jeddah, Saudi Arabia

- Kamal Regmi: University of Namibia, Namibia
- Mongi Felhi: University of Sfax, Tunisia
- Mounir Medhioub: University of Sfax, Tunisia
- Nasrrddine Youbi: Faculty of Sciences of Semlalia, Cadi Ayyad University, Marrakech, Morocco
- Pablo León Higueras: Institute of Applied Geology, University of Castilla-La Mancha, Almadén (Ciudad Real), Spain
- Sherif Kharbish: Suez University, El Suweis, Egypt

Track 8. Petroleum engineering and petroleum geochemistry

- Barry Jay Katz: Chevron Corporation, USA
- Ray Rui: Massachusetts Institute of Technology, USA
- Reza Barati: The University of Kansas, Lawrence, KS, USA
- Roger Davies: Neftex Petroleum Consultants Ltd., UK
- Santanu Banerjee: Indian Institute of Technology Bombay, Mumbai, India
- Tongwei Zhang: The University of Texas at Austin, TX, USA
- Liang Xiao: China University of Geosciences, Beijing, China
- Andrea Moscariello: Department of Earth Sciences, University of Geneva, Switzerland
- Anirbid Sircar: Pandit Deendayal Petroleum University,
 School of Petroleum Technology, Gandhinagar, India
- Madani Benyoucef: Faculty of Natural and Life Sciences, Mustapha Stanbouli-Mascara University, Mascara, Algeria
- Turgay Ertekin: University, University Park, USA
- Shirish Patil: Saudi Aramco and King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia
- Watheq J. Al-Mudhafar: Louisiana State University, Louisiana, USA

Track 9. Sedimentology, stratigraphy, paleontology, geomorphology, pedology

- Adriano Ribolini: Dipartimento di Scienze della Terra, Università di Pisa, Italy
- Beatriz Bádenas: University of Zaragoza, Zaragoza, Spain
- Bienvenido Martínez-Navarro: Catalan Institute IPHES, Tarragona, Spain
- Bruno R.C. Granier: Université de Bretagne Occidentale, Brest, France
- Davide Baioni: Università degli Studi di Urbino, Italy
- Francesco Dela Pierre: University of Torino, Torino, Italy
- Gerard D. Gierliński: Polish Geological Institute, Warszawa, Poland
- Mabrouk Boughdiri: University of Carthage, Amilcar, Tunisia
- Paul Selden: University of Kansas, Lawrence, Kansas, USA

- Peter Bengtson: Universität Heidelberg, Heidelberg, Germany
- Piero Gianolla: University of Ferrara, Ferrara, Italy
- Abbas Marok: University of Tlemcen, Tlemcen, Algeria
- Álvaro Jiménez Berrocoso: Repsol Exploration, Spain
- Attila Çiner: Director of Eurasia Institute of Earth Sciences, Istanbul Technical University, Istanbul, Turkey
- Benoît Deffontaines: Centre de Géosciences, Université de Marne-la-Vallée, France
- Domenico Chiarella: Royal Holloway University of London,
 Department of Earth Sciences, Egham, UK
- Dorrik Stow: Institute of Petroleum Engineering Heriot-Watt University, United Kingdom
- Eulàlia Gili: Universitat Autònoma de Barcelona, Spain
- Etienne Jaillard: Université Grenoble Alpes, France
- Fabrice Cordey: University Pierre et Marie Curie, France
- Fayez Ahmad: Dean of Natural Resources and Environment Faculty, The Hashemite University, Jordan
- Fekri Kamoun: University of Sfax, Sfax, Tunisia
- Hédi Negra: Tunis El Manar University, Tunisia
- Idoia Rosales: Instituto Geológico y Minero de España, Spain
- Issa Makhlouf: Hashemite University, Jordan
- Massimiliano Ghinassi: Università degli Studi di Padova, Padova, Italy
- Matteo Spagnolo: School of Geosciences, University of Aberdeen, Scotland, UK
- Mohamed A.K. El-Ghali: Department of Earth Sciences, Sultan Qaboos University, Muscat, Oman
- Mohamed Soussi: Tunis El Manar University, Tunis, Tunisia
- Oula Amrouni: National Institute of Marines Sciences and Technologies, Salammbô, Tunisia
- Patricia Vickers-Rich: Monash University & Swinburne University of Technology, Melbourne, Australia
- Peter Skelton: The Open University, Milton Keynes, United Kingdom
- Poppe de Boer: Faculty of Geosciences, Utrecht University, The Netherlands
- Timothy Paul Beach: The University of Texas at Austin, TX, USA
- Werner E. Piller: University of Graz, Graz, Austria

Track 10. Structural / petroleum / mining geology, geodynamics, marine geology

- Dominique Frizon de Lamotte: Université de Cergy-Pontoise, Cergy-Pontoise, France
- Eugenio Fazio: University of Catania, Catania, Italy

- Federico Lucci: Università Roma Tre, Roma, Italy
- Stefano Tavani: Università degli Studi di Napoli Federico II, Napoli, Italy
- Zakaria Hamimi: Benha University, Benha, Egypt
- Vincenzo Festa: University of Bari, Bari, Italy
- Wilfried Bauer: German University of Technology in Oman, Athaibah, Oman
- Abdelfatah Tahiri: Mohammed V University in Rabat, Agdal, Rabat, Morocco
- Amara Masrouhi: King Abdulaziz University, Jeddah, Saudi Arabia
- Ana Crespo Blanc: University of Granada, Spain
- Celâl Sengör: Istanbul Technical University, Istanbul, Turkey
- Chokri Jallouli: King Saud University, Riyadh, Saudi Arabia
- Christian Gorini: Sorbonne University, Paris, France
- David Boote: DavidBoote Consulting Ltd, London, United Kingdom
- Estelle Leroux: IFREMER, Unité Géosciences Marines, Plouzané. France
- Federica Riguzzi: National Institute of Geophysics and Volcanology, Roma, Italy
- Federico Rossetti: Università Roma Tre, Roma, Italy
- Fouad Zargouni: University of Tunis El Manar, Tunisia
- François Roure: IFP Energies Nouvelles, France
- Hédi Zouari: Water Researches and Technologies Centre, Borj Cedria, Tunisia
- Jan Golonka: University of Science and Technology, Kraków, Poland
- Kosmas Pavlopoulos: Sorbonne University Abu Dhabi, Abu Dhabi, UAE
- Michael Weber: Helmholtz Centre Potsdam GFZ German Research Center for Geosciences, Germany
- Mourad Bédir: Technopole Borj Cedria, Tunis, Tunisia
- Nadine Ellouz-Zimmermann: IFP Energies Nouvelles, France
- Olivier Bellier: CEREGE, Aix-en-Provence, France
- Samir Bouaziz: University of Sfax, Sfax, Tunisia
- Sami Khomsi: King Abdulaziz University, Jeddah, Saudi Arabia
- Soumyajit Mukherjee: Department of Earth Sciences, IIT Bombay, India
- Vasilios Kapsimalis: Institute of Oceanography, Hellenic Centre for Marine Research, Anavyssos, Greece
- Walter L. Pohl: Austrian Academy of Sciences, Vienna, Austria

Conference Technical Committee

Track 1. Climate, paleoclimate and paleoenvironmental changes

- Abdellah El Hmaidi: FS. Meknès. UMI, Morocco
- Ahmed El Kenawy: Department of Geography, Mansoura University, Mansoura, Egypt
- Ayoub Zeroual: Ecole Nationale Supérieure d'Hydraulique de Blida, LGEE, Algeria
- Bassem Jalali: University of Sfax, Faculté des Sciences de Sfax, Sfax, Tunisia
- Bouchta El Moumni: FST-Tanger, UAE, Morocco
- Damià Gomis: IMEDEA, Universitat de les Illes Balears— CSIC, Mallorca, Spain
- Domenico Chiarella: Royal Holloway, University of London,
- Roja Raman Mekalathur: S V University, Tirupati, India
- Driss Nachite: Abdelmalek Essaâdi University, Tetouan, Morocco
- Evgenij Chernykh: Institute of Archaeology of Russian Academy of Sciences, Moscow, Russia
- Fahad Saeed: Climate Analytics, Berlin, Germany
- Giovanni Zanchetta: Dipartimento di Scienze della Terra, University of Pisa, Italy
- Habib Taibi: Division of Space Geodesy, Centre of Space Techniques, Algeria
- Hamed Ben Dhia: ENIS University of Sfax, Tunisia
- Harunur Rashid: Memorial University of Newfoundland, St John's, Canada
- Ilham Bouimetarhan: University of Bremen, MARUM -Center for Marine Environmental Sciences, Bremen, Germany
- Md. Nazrul Islam: King Abdulaziz University, Jeddah, Saudi Arabia
- Mengdie Xie: Beijing Normal University, China
- Oskar Landgren: Division for model and climate analysis,
 Norwegian Meteorological Institute
- K Sharma: University of Madras, Norway
- Som Sharma: Physical Research Laboratory, Ahmedabad, India
- Kameni Modeste: Environmental Energy Technologies Laboratory, University of Yaounde I, Cameroon
- Saad Al-Sheikhly: University of Baghdad College of Science, Iraq
- Sajid Ali: Institute of Geosciences, Christian-Albrechts-University, Kiel, Germany
- Sajjad Saeed: University of Leuven (KU Leuven), Belgium
- Şevket Şen: Universite Paris Sorbonne Museum of Natural

History Département Origins and Evolution, France

- Yating Chen: Beijing Normal University, China
- Francesco Sciuto: Universita degli Studi di Catania, Catania, Italy
- Hugh C. Jenkyns: Department of Earth Sciences, University of Oxford, South Parks Road, Oxford, UK
- Nadia Gaaloul: FST, University of Tunis El Manar, Tunis, Tunisia
- Mehmet Serkan Akkiraz: Dumlupinar University, Geological Engineering Department, Turkey
- Sherif Farouk: Egyptian Petroleum Research Institute, Cairo, Egypt

Track 2. Geo-informatics, remote sensing, geodesy

- Abdellah El Hmaidi: FS. Meknès, UMI, Morocco
- Ahmed El Kenawy: Department of Geography, Mansoura University, Mansoura, Egypt
- Ayoub Zeroual: Ecole Nationale Supérieure d'Hydraulique de Blida, LGEE, Algeria
- Bassem Jalali: University of Sfax, Faculté des Sciences de Sfax, Sfax, Tunisia
- Bouchta El Moumni: FST-Tanger, UAE, Morocco
- Damià Gomis: IMEDEA, Universitat de les Illes Balears— CSIC, Mallorca, Spain
- Domenico Chiarella: Royal Holloway, University of London,
- Roja Raman Mekalathur: S V University, Tirupati, India
- Driss Nachite: Abdelmalek Essaâdi University, Tetouan, Morocco
- Evgenij Chernykh: Institute of Archaeology of Russian Academy of Sciences, Moscow, Russia
- Fahad Saeed: Climate Analytics, Berlin, Germany
- Giovanni Zanchetta: Dipartimento di Scienze della Terra, University of Pisa, Italy
- Habib Taibi: Division of Space GeodesyCentre of Space Techniques, Algeria
- Hamed Ben Dhia: ENIS University of Sfax, Tunisia
- Harunur Rashid: Memorial University of Newfoundland, St John's, Canada
- Ilham Bouimetarhan: University of Bremen, MARUM -Center for Marine Environmental Sciences, Bremen, Germany
- Joshua Onyedikachi Okeke: Sambus Geospatial Limited, Abuja, Nigeria
- Md. Nazrul Islam: King Abdulaziz University, Jeddah, Saudi Arabia
- Mengdie Xie: Beijing Normal University, China

- Oskar Landgren: Division for model and climate analysis,
 Norwegian Meteorological Institute
- Prof K Sharma: University of Madras, Norway
- Som Sharma: Physical Research Laboratory, Ahmedabad, India
- Kameni Modeste: Environmental Energy Technologies Laboratory, University of Yaounde I, Cameroon
- Saad Al-Sheikhly: University of Baghdad College of Science, Iraq
- Sajid Ali: Institute of Geosciences, Christian-Albrechts-University, Kiel, Germany
- Sajjad Saeed: University of Leuven (KU Leuven), Belgium
- Şevket Şen: Universite Paris Sorbonne Museum of Natural History Département Origins and Evolution, France
- Yating Chen: Beijing Normal University, China
- Francesco Sciuto: Universita degli Studi di Catania, Catania, Italy
- Hugh C. Jenkyns: Department of Earth Sciences, University of Oxford, South Parks Road, Oxford, UK
- Nadia Gaaloul: FST, University of Tunis El Manar, Tunis, Tunisia
- Mehmet Serkan Akkiraz: Dumlupinar University, Geological Engineering Department, Turkey
- Sherif Farouk: Egyptian Petroleum Research Institute, Cairo, Egypt

Track 3. Geoenvironmental engineering, geomechanics and geotechnics, geohazards

- Abbas Taheri: The University of Adelaide, Adelaide, Australia
- Abdelwaheb Aydi: FSB, University of Carthage, Tunisia
- Adrian Oshioname Eberemu: Ahmadu Bello University, Zaria, Nigeria
- Ahmet Karakaş: Kocaeli University, Turkey
- Aida Ben Hassen Trabelsi: CERTE Borj Cedria, Tunisia
- Aida Kesraoui: Ecole Supérieure des Sciences et des Technologies Hammam Sousse, Tunisia
- Alan Carter: ETS, Montreal, Canada
- Ali Kayabası: Eskisehir Osmangazi University, Turkey
- An Deng: The University of Adelaide, Adelaide, Australia
- Andrew Gorovtsov: Southern Federal University, Russia
- Asghar Ali: Department of Geology, University of Peshawar, Peshawar, Pakistan
- Ayberk Kaya: Recep Tayyip Erdogan University, Turkey
- Cem Şensöğüt: Dumlupınar University, Turkey
- Enes Zengin: Dumlupınar University, Turkey
- Eugie Kabwe: The University of Adelaide, Adelaide, Australia

- Ferhat Özçep: Istanbul University, Turkey
- Gabriela Mihaela Afrasinei: Teagasc Food Research Centre Ashtown, Dublin, Agriculture and Food Development Authority, Ireland
- Gilles Colinet: Gembloux Agro Bio Tech University of Liège, Belgium
- Gonzalo Gonzalez Abad: Harvard-Smithsonian Center for Astrophysics,
- Gulgun Yilmaz: Anadolu University, Trukey
- Hakan A. Nefeslioglu: Hacettepe University, Ankara, Turkey
- Harun Aydın: Van Yüzüncü Yıl University
- Hasan Arman: United Arab Emirates University, Al Ain, UAE
- Hasan Karakul: İzmir Katip Çelebi University
- Houcem Trabelsi: ENIS, University of Sfax, Tunisia
- Hüseyin Karakuş: Kütahya Dumlupınar University, Turkey
- Jean-Marie Fleureau: Ecole Centrale Paris, France
- Jeyakumar Rajesh Banu: Regional Center of Anna University, Tirunelveli, India
- Jitendra Yadav: Manipal University, Jaipur, India
- Karen Ghazaryan: Yerevan State University, Armenia
- Kingsley Amadi: Austrlian College of Kuwait, Kuwait
- Levent Selçuk: Van Yüzüncü Yıl University, Van, Turkey
- Md. Nehal Uddin: Geological Survey of Bangladesh (GSB), Dhaka, Bangladesh
- Mehmet Celal Tunusluoğlu: Çanakkale Onsekiz Mart University, Turkey
- Mehmet Serkan Akkiraz: Dumlupinar University, Geological Engineering Department, Turkey
- Mohamed Ali Sadakkathulla: The University of Adelaide, Adelaide, Australia
- Mohamed Khemissa: University of M'sila, M'sila, Algeria
- Mohammad Alwabel: King Saud University, Riyadh, Saudi Arabia
- Mohammad Reza Azadi: PhD Researcher, UWA, Perth, Australia
- Muge Akin: Abdullah Gul University, Faculty of Engineering, Kayseri, Turkey
- Mukhtiar Ali Soomro: Quaid-e-Awam University of Engineering, Science & Technology, Pakistan
- Murat Utkucu: Sakarya University, Turkey
- Muzaffer Özburan: Dumlupinar University, Geological Engineering Department, Turkey
- Nader Saadatkhah: Universiti Teknologi Malaysia (UTM), Malaysia
- Olga Gorobtsova: Institute of Mountain Ecology of Russian Academy of science, Russia

- Özgür Aktürk: Akdeniz University, Turkey
- Hatim Elhatip: Aksaray Universitesi, Faculty of Engineering, Aksaray, Turkey
- Qipeng Cai: Huaqiao University, China
- Saffet Yagiz: School of Mining & Geosciences, Nazarbayev University, Astana, Kazakhstan
- Settimio Ferlisi: University of Salerno, Fisciano, Italy
- Sherief El-Nashar: Department of Geophysics, King Abdulaziz University, Saudi Arabia
- Tayfun Şengül: Dumlupınar University, Turkey
- Valery Kalinitchenko: Institute of Fertility of Soils of South Russia, Rostov Region, Russia

Track 4. Geography, geoecology, geoarcheology, geotourism

- Abdullah A. Jaradat: USDA-ARS, USA
- Ahmed Addou: Department Chemical engineering, University of Mostaganem, Algeria
- Ahmed Dekak: University of Tebessa, Algeria
- Ali El Keblawy: Faculty of Science, University of Sharjah, UAE
- Ali Riza Sogut: Faculty Of Tourism, Trukey
- Alonso María Ángelès: University of Alicante, Spain
- Anna Beate Jöst: The Swire Institute of Marine Science, The University of Hong Kong, Hong Kong, China
- Charlie Morelle Angue Minto'O: CEFREM, Université de Perpignan, France
- D. Bartlett: University of Greenwich, United Kingdom
- Emmanuel Reynard: Université de Lausanne, Institut de géographie et durabilité, Géopolis, Lausanne, China
- Habibullah Magsi: Sindh Agriculture University Tandojam, pakistan
- Hammadi Achour: Université de Jendouba, Tunisia
- Lola Pereira: Universidad de Salamanca Spain, Spain
- Magdy El-Bana: Botany Department, Faculty of Science, Port Said, Egypt
- Mamoon Allan: Faculty of Archaeology and Tourism, The University of Jordan, Jordan
- Msafiri Y. Mkonda: Sokoine University of Agriculture, Tanzania
- Muhammad Naeem: Chinese Academy of Agricultural Sciences, Institute of Apicultural Research, Beijing, China
- Peter Frenzel: Institute of Geosciences, Germany
- Rafael La Perna: Bari University, Italy
- Rafat Misak: Desert Resarch Centre, Egypt
- Rasha Fahim Elgazzar: Arab Academy for Science,
 Technology and Maritime Transport, Alexandria, Egypt

- Souad Neffar: University of Tebessa, Algeria
- Radhakrishna Munukuntla: Indian Institute of Technology Bombay, Mumbai, India

Track 5. Geophysics, seismology

- A.P. Singh: Institute of Seismological Research, India
- Abderrezak Bouzid: CRAAG, Algeria
- Bathkari Sairam: Institute of Seismological Research, India
- Chakravarthi Vishnubotla: Hyderabad Central University, Earth Science Deptement, India
- Djilali Benouar: USTHB, Algiers, Algeria
- Muhammad Zaheer: Balochistan University of Information Technology, Engineering & Management Sciences, Quetta, Pakistan
- El-Hocine Fettous: FSTGAT-USTHB, Algeria
- Gad El-Qady: National Research Institute of Astronomy and Geophyics, Cairo, Egypt
- Imen Hamdi Nasr: Faculty of Sciences of Bizerte, Tunisia
- Martin Pitonak: University of West Bohemia, Republic Czech
- Matloob Hussain: Quaid-I-Azam University Islamabad, Pakistan
- Mohamed Abdel Zaher: National Research Institute of Astronomy and Geophysics (NRIAG), Egypt
- Mohamed Amrouche: Schlumberger, Tokyo, Japan
- Mohit Agrawal: Indian Institute of Technology (Indian School of Mines), Dhanbad, India
- Radhakrishna Munukuntla: Indian Institute of Technology Bombay, Mumbai, India
- Saurabh Datta Guptha: IIT(ISM) Dhanbad, India
- Tangirala Seshunarayana: National Geophysical Research Institute, India
- Toshiaki Tanaka: Kyushu University, Japan
- Yuan Gao: Institute of Earthquake Science, CEA, Beijing, China

Track 6. Hydrology, hydrogeology, hydrochemistry

- Alberto Gomes: Faculty of Arts and Humanities, University of Porto, Portugal
- Alowo Rebecca: Central University of Technology, South Africa
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- Athamena Ali: University Batna 2, Algeria
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- Giovanna Agrosi': University of Bari, italy
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- Suryo Prakoso: Petroleum Engineering, Faculty of Earth and Energy Technology, Universitas Trisakti, Jakarta, Indonesia

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- Jean-Pierre Masse: Marseille University, France
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- Zeki Unal Yumun: Faculty Namık Kemal University,Çorlu, Tekirdağ, Turkey

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- KEYNOTE 21 (T5) Martin Mai, Saudi Arabia: Rupture Dynamics and Seismic Radiation on Multi-Scale Geometrically Complex Faults



Pinnaduwa Kulatilake, USA: A New Three-Dimensional Rock Mass Strength Criterion

KEYNOTE 1

Dr. Pinnaduwa H.S.W. Kulatilake is a Professor of Geotechnical Engineering and Director of Rock Mass Modeling and Computational Rock Mechanics Laboratories at the University of Arizona. He is a registered Professional Civil Engineer in California. He received his B.Sc. (in 1976) in Civil Engineering from the University of Sri Lanka, Peradeniya, MS (in 1978) in Soil Engineering from the Asian Institute of Technology, Bangkok, Thailand and Ph.D. (in 1981) in Civil Engineering (with geotechnics emphasis) from the Ohio State University, USA. He has over 38 years of experience in rock mechanics & rock engineering associated with mining, civil and petroleum engineering, geotechnical engineering, and applications of



probabilistic and numerical methods to geo-engineering. He has written over 240 papers and is a member of several technical committees. He has delivered over 30 keynote lectures and over 50 other invited lectures throughout the world on topics related to rock fracture network modeling, probabilistic geotechnics, mechanical and hydraulic properties of joints, rock slope stability and mechanical and hydraulic behavior of rock masses. He has been a research paper reviewer for over 25 technical Journals and an editorial board member for Int. Jour. of Rock Mechanics & Mining Sciences, Int. Jour. of Geotechnical and Geological Engineering, Int. Jour. of Advances in Geological and Geophysical Engineering, Coal Science and Technology and Journal of Mining & Science-Turkey. Currently he is serving as an Associate Editor for Arabian Journal of Geosciences. He has taught short courses on stochastic fracture network modeling, rock slope stability analysis, Block theory, and rock joint roughness and aperture in Sweden, Mexico, Austria, USA, Canada, Hong Kong, Poland, Finland, Australia, South Korea, Sri Lanka, Egypt, Iran, Chile, China, Italy, Peru and Tunisia. He has served over 20 years either as the primary or the sole examiner for the geological engineering professional exam conducted by the Arizona State Board of Technical Registration. He was a Visiting Professor at the Royal Institute of Technology and Lulea University of Technology in Sweden as part of his sabbatical leave. Also, he was a Visiting Research Fellow at the Norwegian Geotechnical Institute, for another part of his sabbatical leave. Due to the contributions he made on teaching, research, consulting and service activities, he was elected to the Fellow Rank of the American Society of Civil Engineers at the relatively young age of 45. In 2002, he received Distinguished Alumnus Award from the College of Engineering, Ohio State University and Outstanding Asian American Faculty Award from the University of Arizona in recognition of his achievements and contributions made to the advancement of his profession. In December 2005, Eurasian National University, Kazakhstan conferred him "Honorary Professorship". In August 2007, he organized and ran a successful International Conference on Soil & Rock Engineering in Sri Lanka. In January 2009, he organized and ran a high quality International Conference on Rock Joints and Jointed Rock Masses in Tucson, Arizona. He was the guest editor for two special issues published in the Jour. of Geotechnical and Geological Engineering. He received "Kwang-Hua Visiting Professorship" for 2009-2010 from the College of Engineering, Tongji University, China. He was a Recipient of "Guest Professorship" from Wuhan University, China for 2010-2013. A few years back, he also received an award from the Chinese Academy of Sciences to spend a sabbatical in China as a Senior Visiting Professor. In 2013 and 2016, he received Peter Cundall awards.

Zhen-Dong Cui, China: Land Subsidence Induced by the Engineering-Environmental Effect in Shanghai, China

KEYNOTE

Prof. Dr. Zhen-Dong Cui is the Dean of Institute of Geotechnical Engineering, China University of Mining and Technology. In July 2008, he obtained the PhD from School of Civil Engineering, Tongji University, Shanghai, China. Since then, he had been a postdoctoral research fellow in the Hong Kong University of Science and Technology for one year. He joined Shanghai Institute of Geological Survey in 2009. In July 2010, he joined CUMT as an associate professor and was promoted to full professor in 2013. Supported by China Scholarship Council, from Aug. 2015 to Aug. 2016, as a visiting scholar, he researched and studied in the department of Civil, Environmental and Architectural Engineering, University of Colorado



Boulder. He won Nomination of 100 Excellent Doctoral Dissertations in China in 2011. He won Shanghai Excellent Doctoral Dissertations in 2010 and Excellent doctorate thesis of Tongji University in 2009. In 2015, he was awarded the third prize of Shanghai Natural Science. In 2003, he was awarded the second prize of Natural Science of the Ministry of Education. In 2008, he was awarded the second prize of Progress of Science and Technology in Shanghai. In 2012, he was selected as Qinglan Project for Outstanding Young Teachers of Jiangsu Province and in 2016, he was selected as 333 Talent Project in Jiangsu Province. In 2014 and in 2017, he was twice selected as Young Academic Leader of China University of Mining and Technology. In 2015, he was awarded as Excellent Innovation Team Leader of China University of Mining and Technology. His research interests focus mainly on the urban subway tunnel, the deformation of soft foundation, the soil dynamics, the centrifuge model test and the artificial frozen soil. In the past 5 years, he took charge of National Natural Science Foundation of China (NSFC), Jiangsu Natural Science Foundation of China, Outstanding Innovation Team Project in China University of Mining and Technology and Special Fund for China Postdoctoral Science Foundation. He published more than 60 papers, in which 37 English papers (indexed by SCI) have been published in Engineering Geology, Natural Hazards, Computers and Geotechnics, Cold Regions Science and Technology, Environmental Earth Sciences, International Journal of Rock Mechanics and Mining Sciences, etc. He published three books. He has applied for 6 national invented patents, among which four patents have been awarded. He is the specialized committee member of the soft soil engineering of the geotechnical engineering branch of the Civil Engineering Society of China, the member of international society for soil mechanics and geotechnical engineering (ISSMGE) and the member of international association for engineering geology and environment (IAEG).

Janusz Wasowski, Italy : New Tools and Techniques of Remote Sensing for Geologic Hazard Assessment

EYNOTE 3

Dr. Janusz Wasowski is a research geologist at CNR-IRPI (National Research Council - Institute for Geohydrological Protection) in Bari, Italy. Since 2016, he is also the Editor-in-Chief of Engineering Geology. Since 2011, he has held the positions of Visiting Professor at the Research School of Arid Environment and Climate Change, Lanzhou University, China and of Science Officer of the Natural Hazards Group Programme, European Geosciences Union (EGU). He is a Visiting Professor at the State Key Laboratory for Geohazard Protection (SKLGP), Chengdu University of Technology (CDUT), China (since 2018), and a Member of the Academic Committee of the SKLGP (CDUT), China (2016–2020). He is an internationally



recognized scientist in the field of engineering geology, natural hazards and applied remote sensing. For nearly 30 years, Dr. Wasowski's work has covered a broad spectrum of research topics ranging from slope instability and landslide assessment, collateral seismic hazards, geotechnical field investigation and in situ monitoring, to exploitation of air/space-borne remote sensing and geophysical surveying in engineering geology. He has also served as a consultant for the National Department for Civil Protection, Italy, the Government of Gansu Province, China, and the Centre National de l'Information Géo-Spatiale, Haiti, focusing on landslides and other geohazards and on the application of satellite multi-temporal interferometry for monitoring terrain deformations and infrastructure stability. Since 2007 Dr. Wasowski has been a member of the Editorial Board of Engineering Geology (Elsevier) and the Quarterly Journal of Engineering Geology and Hydrogeology (The Geological Society, London). He is the author/co-author of over150 articles/book chapters and the guest editor of 11 special issues published in international scientific journals.



Biswajeet Pradhan, Australia: Artificial Intelligence and Spatial Modelling in Natural Hazards and Environmental Applications

KEYNOTE 4

Before joining the School of Information, Systems and Modelling at the Faculty of Engineering and IT, Biswajeet was a Full Professor of GIS and Remote Sensing at the Faculty of Engineering, Universiti Putra Malaysia. He has more than nineteen years of teaching, research, and industrial experience in the field of Geospatial Information Systems. He is listed as the World's most Highly Cited researcher by Clarivate Analytic's Report in 2017 and 2016 as one of the world's most influential mind. He is a recipient of Alexander von Humboldt Research Fellowship from Germany. In 2011, he received his habilitation in "Remote Sensing" from Dresden University of Technology, Germany. He was also a recipient of German



Academic Exchange Research (DAAD) Fellowship Award, the Saxony State Fellowship from 1999 to 2002, the Keith Aurtherton Research Award, and the Georg Forster Research Award from the German Government. Since February 2015, he is serving as "Ambassador Scientist" for Alexander Humboldt Foundation, Germany. He has widely travelled abroad visiting more than 55 countries to present his research findings.

He received the B.Sc. degree (with honours) from Berhampur University, India, the M.Sc. degree from the Indian Institute of Technology (IIT), Bombay, India, the M.Tech. degree in civil engineering from IIT, Kanpur, India, and the Dresden University of Technology, Dresden, Germany, and the PhD degree in GIS and Geomatics engineering from the University Putra Malaysia, Serdang, Malaysia.



KEYNOTES

Turgay Ertekin, USA: Use of Artificial Intelligence in Determining the Location of Infill Wells in Hydrocarbon Exploration and Production Activities

KEYNOTE 5

Turgay Ertekin is a professor emeritus of Petroleum and Natural Gas Engineering at Penn State University. Prior to his retirement, he was the holder of the George E. Trimble Chair in Earth and Mineral Sciences. At Penn State he served for 30 years as the Chair of the Petroleum and Natural Gas Engineering Program and for 4 years as the Head of the Energy and Mineral Engineering Department. Ertekin in his research programs with his graduate students emphasizes on fluid flow dynamics in porous media and develops numerical models and artificial expert systems applicable to hydrocarbon reservoirs. He has supervised the thesis work of 56 PhD and 111 MS students to completion. He is the author of more than 300



papers and four books and has given more than 300 invited presentations and workshops in different parts of the world. Ertekin is a Distinguished Member and was a Distinguished Lecturer of the Society of Petroleum Engineers and is a recipient of the SPE Distinguished Faculty Achievement and SPE Lester C. Uren awards. In 2013 Ertekin has been elected as the Honorary Member of the Society of Petroleum Engineers. Ertekin for a two-year period served as the executive editor of SPE Formation Evaluation Journal and currently is serving as an editor-in-chief for the Journal of Petroleum Exploration and Production Technology. Ertekin has received his B.Sc. and M.Sc. degrees in petroleum engineering from Middle East Technical University in Ankara, Turkey and his Ph.D. in petroleum and natural gas engineering from the Pennsylvania State University in U.S.



Beatriz Bádenas, Spain: Facies Architecture in Carbonate Ramps: Learned Lessons from Jurassic Case Studies in the Iberian Basin

KEYNOTE (

Dr. Bádenas obtained a five-year B.Sc. in Geology (1991) and a Ph.D. degree in Stratigraphy (1999) at the Earth-Science Department of the University of Zaragoza (Spain), where she teaches courses in Stratigraphy and Sedimentology since 1998. Her research interests mainly focus on Sedimentology and Sequence and cyclostratigraphic analyses of marine carbonate sediments, with special emphasis on sedimentary processes and facies heterogeneities from coastal to hemipelagic sediments. She is currently working in a multidisciplinary research project on the palaeoenvironmental reconstructions of the Jurassic and Cretaceous in the Iberian Plate. She has co-published near one hundred research



articles in international indexed and refereed journals. Since 2011, she is member of the editorial board of the journals edited by the Geological Society of Spain, and from 2016 she is Associate Editor of Stratigraphy and Sedimentology of the Arabian Journal of Earth Sciences.

Christian Gorini, France: Vanished Ocean: How Tethys Re-shaped the World

(EYNOTE 7

Christian Gorini is a full Professor of the University of Pierre et Marie Curie (PR1 Paris 6) specialized in marine geology and basin research. His research interests include integrated onshore and offshore studies concerning shallow to deep marine Environments (source to sink). One of his important contributions consists in the knowledge of a huge Paleo-environmental crisis: the Messinian salinity crisis in the deep basins of the Western and Eastern Mediterranean area. He is involved in High resolution seismic interpretation work on the Plio-Quaternary architecture and cyclicity of shelf depositional systems in the Santos Basin and the Gulf of Lion margin. He has a worldwide experience in seismic and sequence stratigraphy and their application in basin research, paleoceanography geological hazard.



and sequence stratigraphy and their application in basin research, paleoceanography, geological hazards and hydrocarbon exploration. He is member of the Continental margin group of ICM CSIC of Barcelona.

Dorrik Stow, UK: Mediterranean Sea Level and Bathymetry of the Deep Basin during the Salt Giant Deposition: Inference from the Seismic- and Litho-Facies

(EYNOTE 8

Professor Stow FRSE, FGS, PhD, MA, BA is a world-renowned sedimentologist, geologist and oceanographer with wide-ranging interests and an extensive record of publications in both research and teaching, including over 300 scientific papers, books and edited volumes. Research: He specialises in deep sea sedimentary systems — modern, ancient and sub-surface. Current research programmes are focused on contourites and turbidites, their sedimentary facies, depositional processes. He has worked in and with the oil industry, particularly in their ongoing quest for deep-sea oil and gas and on new and tight reservoir targets. He has led major international missions for scientific drilling into the deep Indian



Ocean seafloor (ODP 116) and Gulf of Cadiz (IODP 339 on Mediterranean Outflow), and carried out research or provided training courses in more than 50 countries worldwide. General: He maintains a strong interest in the field of geoscience, development, and capacity building, especially concerning the petroleum and energy sectors, hazard mitigation, geoscience education and marine management. He is enthusiastic for the popularisation of ocean and earth sciences through public lectures and broadcast, and recent popular science books with Oxford University Press. Education: Cambridge University BA, MA, Dalhousie University (Canada) PhD. Career: Academic positions at Edinburgh, Nottingham, and Southampton Universities. Visiting Professorships in France, Spain and China. Industrial positions in Britoil and BP. Joined Heriot-Watt University in 2008 as Professor of Petroleum Geoscience at the Institute of Petroleum Engineering, became Director of Research and Director of the Edinburgh Collaborative of Subsurface Science and Engineering (ECOSSE). Assumed the role of Head of Institute from 2012-2017. Currently Professor of Geoscience.



Mohamed Soussi, Tunis: Phanerozoic Global Sea-Level Changes: Evidences from Tunisia illustrating how Eduard Suess' Concepts (Gondwana, Tethys, Eustatism) are still relevant

(EYNOTE 9

Dr Soussi has Twenty-eight years' experience in research and teaching on Sedimentary Basins, Sedimentology, Sequence stratigraphy and Petroleum geology. He is Professor at the Faculty of Sciences of Tunis of University of Tunis El Manar, and Director of the Laboratory: Sedimentary Basins and Petroleum Geology. He is widely recognized as an expert in the Petroleum Geology of Tunisia through serval projects conducted for international oil companies on the Ordovician, Triassic (Ghadames basin), Jurassic, Cretaceous and Tertiary Petroleum systems, particularly their carbonate reservoirs (Atlas and Pelagian block) from surface geology, E-logs and core data analysis.



Celâl Sengör, Turkey: Eduard Suess and the Essence of Geology

EYNOTE 10

A. M. Celâl Şengör is professor of geology in the İstanbul Technical University. He is the author, editor, co-author or co-editor of 18 books and some 275 research papers on diverse aspecs of geology. In 2004-2005 academic year, he held the Chaire International in Collège de France. Şengör is a member of the Academy of Science in İstanbul, the Academia Europaea and the Leopoldina German National Academy of Sciences. He is also a foreign associate of the U.S. National Academy of Sciences and the Russian Academy of Sciences and a corresponding member (abroad) of the Austrian Academy of Sciences. Şengör also received numerous awards and medals for his work on geology, including the Arthur Holmes



Medal of the European Geosciences Union, the Steinmann Medaille of the Geologische Vereinigung, the Bigsby Medal of the Geological Society of London and the Lutaud Award of the Academy of Sciences in Paris. He is also the author of 13 books in Turkish on popular science, philosophy of science and science politics plus numerous articles on these topics in popular magazines and newspapers in Turkey.

Sheryl Luzzadder-Beach, USA : Using Water Chemistry to Understand Ancient Maya Land and Water Use Interactions

(EYNOTE 11

Dr. Sheryl Luzzadder-Beach is Professor in the Department of Geography and the Environment at the University of Texas-Austin, where she is Fellow of the C.B. Smith, Sr. Centennial Chair in U.S.-Mexico Relations. She recently completed her term as Department Chair (2014–2018), as the first and only woman to ever lead the Department. Dr. Luzzadder-Beach is also Associate Faculty of the Theresa Lozano Long Institute of Latin American Studies, Affiliated Faculty of the Center for European Studies and the Bernard and Audrey Rapoport Center for Human Rights and Justice at UT. She was Professor of Geography and Associate Provost at George Mason University, where she was a faculty member



for over 20 years prior to arriving at UT Austin. She is currently the President of the American Association of Geographers (2018–19). She serves as Associate Editor for the Arabian Journal of Geosciences. Dr. Luzzadder-Beach was awarded, along with Dr. Tim Beach, the 2010 AAG G.K. Gilbert Outstanding Research Award in Geomorphology, and in 2013 she was recognized with the GMU College of Science Outstanding Publication Award. In 2018 Drs. Luzzadder-Beach and Beach were both selected as CSU Chico's 2018 Distinguished Alumni for the College of Behavioral and Social Sciences. She specializes in physical geography, hydrology and geomorphology, water chemistry, geoarchaeology, geostatistics, and gender, science and human rights, with field research in Mesoamerica, California, the Mediterranean and Near East, and Iceland. Dr. Luzzadder-Beach's research has been funded by grants from the National Science Foundation, the National Geographic Society, and the National Aeronautics and Space Administration, among other sources, publishing more than 50 peer reviewed book chapters and articles. Dr. Luzzadder-Beach is the Founding Director of the Water Quality and Environmental Hydrology Lab in the Department of Geography and the Environment at UT Austin. She received both her M.A. and Ph.D. in Geography from the University of Minnesota- Minneapolis, and her Bachelor of Arts in Geography from California State University at Chico.



Timothy Paul Beach, USA: An Early Anthropocene Analog: the Geomorphology and Hydrology of the Rio Bravo Watershed in the Belize Tropics

KEYNOTE 12

Tim Beach holds The C.B. Smith, Sr. Centennial Chair in United States - Mexico Relations #2 and directs the Beach-Butzer Soils and Geoarchaeology Lab in Geography at the University of Texas at Austin. For twenty-one years, he taught at Georgetown University, where he held the Cinco Hermanos Chair and was Professor of Geography and Geoscience and Director of the STIA and Environmental Studies Programs. He has conducted field research on soils, geomorphology, paleoecology, wetlands, and geoarchaeology in the Corn Belt of the United States, Mexico, Belize, Guatemala, Nicaragua, Syria, Turkey, Iceland, Colombia, Italy, and Germany funded by the National Science Foundation, the National



Geographic Society, USAID, The University of Texas at Austin, and Georgetown University. These field seasons have been the bases for more than one hundred peer-reviewed articles and chapters and hundreds of scientific presentations around the world, including at the Vatican in 2017. Most of his publications were on long-term environmental change, soils and geomorphology, paleoclimate, and geoarchaeology in the Maya world. He was elected as a Fellow of the American Association for the Advancement of Science and awarded Guggenheim and Dumbarton Oaks Fellowships, the G.K. Gilbert Award in Geomorphology, Georgetown University's Distinguished Research Award in 2010, Georgetown's School of Foreign Service's Faculty of the Year for Teaching Excellence in 2014, the Carl O Sauer Award in 2017, and the CSU Chico Alumni of the Year in 2018.

Essam Heggy, USA: Exploring Desert Aquifers and Polar Ice Sheets and their Role in Current and Paleo-Climate Evolution

KEYNOTE 13

Dr. Essam Heggy is a Research Scientist at the Microwave Systems, Sensors and Imaging Lab (MiXIL), at the Viterbi School of Engineering at the University of Southern California and affiliate of the Rosetta project at the NASA Jet Propulsion Laboratory. Heggy obtained both his MSc. and Ph.D. respectively in 1999 and 2002 with distinguished honors from the Paris VI University in France (UPMC-Sorbonne). His research focuses on understanding water evolution in Earth's arid environments as well as planetary surfaces using radar surface and subsurface characterization methods. His research particularly focuses on understanding volatile evolution in the North African Sahara and Arabian Peninsula, as well as Mars,



the Moon, Jovian Icy satellites and Near-Earth Objects. His work involves probing structural, hydrological and volcanic elements in terrestrial and planetary environments using different types of radar imaging and sounding techniques as well as measuring the electromagnetic properties of rocks in the radar frequency range. He is currently a member of the science team of the MARSIS instrument aboard the Mars Express orbiter (2003-present), the Mini-SAR experiment aboard Chandrayaan-1, the Mini-RF experiment on board the Lunar Reconnaissance Orbiter (2008-present), the CONSERT radar experiment aboard the Rosetta mission (2004-present) and the WISDOM GPR onboard ExoMars 2020 Rover (2008 to Present). He also edited a special JGR-Planets (AGU) volume on terrestrial and planetary radars. He is on the founding editorial board of the Journal of Arctic Geoscience ARKTOS (Springer), Geosciences (MDPI), National Geographic and co-chaired several sessions in international conferences and workshops on terrestrial and planetary radar subsurface imaging including AGU, LPSC and IEEE meetings.



Michael Sarnthein, Austria: Fifty Years of Paleoceanography: Major Achievements in our Understanding of Past and Future Climate Change – Some Memories and Hearsay

KEYNOTE 14

Michael Sarnthein is one of the leading paleoclimatologists and marine geologists in the world. He played a central role in the development of paleoceanography in Germany, and became a major player in the international community. He has published extensively and has contributed significantly to better understanding of Quaternary Ocean and climate history. The standard of excellence of his contributions his insistence on detail and high chronological resolution have provided crucial insight into oceanic processes involved in abrupt and orbital-scale climate change. He has been a leader in setting high standards of investigation that have generally improved the quality and rigour of investigations utilizing



deep-sea sediments. He has also pioneered the multi-proxy approach that has proven invaluable for the interpretations of past environmental change.

Michael Sarnthein is one of the world's foremost authorities on the paleoceanographic history of the high-latitude North Atlantic Ocean. He was an important contributor to the discovery that a sequence of abrupt ocean circulation changes was associated with deglacial events involving different ocean states in the north Atlantic. He has been able to relate these changes in state to meltwater events, ice sheet instability and surface water salinity and temperature changes and to place them within the most solid of radiocarbon chronologies of any studies in the world. In doing so he has been able to help demonstrate the strong linkage between deep-water circulation and climate change at high latitudes.

Throughout the last several decades, Michael Sarnthein has always been at the forefront. His extensive work on the Quaternary history of West African margin upwelling was an early demonstration of connections between climate change and surface ocean productivity, organic carbon deposition and the carbon isotopic record. These studies had important implications for explaining variations in atmospheric carbon-dioxide concentrations. He also made early and important advances in understanding of the sedimentary environment of the monsoon history in the Arabian and China Seas. His work also includes one of the earliest demonstrations of the remarkable extent of aridity of the earth during the last glacial episode.

Michael Sarnthein's impact on the advancement of science also involved many technical and organizational activities. He was the primary force behind the development of the "Kiel Device" for automated analysis of the stable isotopic composition of carbonates, now widely employed in laboratories; he led the development of an important AMS radiocarbon laboratory in Germany; he effectively served in numerous leadership roles in international committees on climate change, and directed, for some time, the important IMAGES coring program which led to major advances in understanding abrupt climate change and ocean margin paleoceanography. Furthermore, he has produced many graduate students of the highest quality who, in turn, have contributed significantly to scientific advances. These former students now take their places as valued members of the international paleoclimate community where, combined with their mentor's technical and scientific contributions, they serve as the continuing legacy of Michael Sarnthein.

Since 2015, Michael Sarnthein is a Fellow of the American Geophysical Union (AGU). In 2006, the Milutin Milankovic Medal was awarded to Michael Sarnthein by the European Geosciences Union (EGU) for his valuable work on Quaternary climate changes, and for his leadership role in the palaeoceanographic investigations of deep-sea sediments from the Atlantic, Pacific and Indian oceans.

KEYNOTE 15

Hesham M. El-Askary, USA: Strong Interactions Indicated Between Dust Aerosols and Precipitation Related Clouds in the Nile Delta

Prof. El-Askary received his Ph.D. in Computational Sciences and Informatics from George Mason University in 2004. He is the 2015 recipient of the Chapman University's elite Senior Wang-Fradkin Professorship award. In 2016, he was named as the regional coordinator on a \$3 million Euro grant from the European Union's (EU) Horizon 2020. The three year project, known as GEO-CRADLE, deals with Coordinating and integrating state-of-the-art Earth Observation Activities in the regions of North Africa, Middle East and Balkans and Developing Links with GEO related initiatives toward GEOSS. Through this work he with the research team were able to deliver the first analytical solar Atlas of Egypt that is now



considered to be the official document of the government for solar investment. This work was recently presented at Planet Earth Institute at the Royal Society in London during a seminar that discussed the future of solar energy in Africa. His research interests include dust storms monitoring and detection using different remote sensing technologies as well as studying other extreme events. He is also involved in studying air pollution problems over mega cities due to natural and man-made effects as well as climate change and its impacts on sea level rise and coral reefs for coastal areas. His research also included using earth observations in studying impact of sever dust storms anomalous chlorophyll outbreaks in the marine environment, hurricanes intensification as well as transport of microbes' causing Kawasaki disease outbreaks. Recently Prof. El-Askary has been focusing on using earth observations for water resources management, precision agriculture along the sustainable development goals. Today Prof. El-Askary views himself as an Earth System Scientist with a major interest in natural hazards, atmospheric events and using renewable energy as the only way to address global climate change issues. Prof. El-Askary has published over a 100 refereed research publications, conferences full paper and book chapters in these research areas. Dr. El-Askary's research has been supported by National Science Foundation, NASA, United States Department of Agriculture and European Union. Dr. El-Askary has received the Saudi Arabia award hosted by the Arab Administrative Development Organization (ARADO) affiliated with the League of Arab states for the best published article in Environmental Management among 150 articles in 2006. He is also member of the Institute of Electrical and Electronics Engineers (IEEE), AGU, EGU, COSPAR, and Phi

Enrico Drioli, South Korea: Innovation in Process Engineering for Hydrology

(EYNOTE 16

Enrico Drioli Emeritus Professor at the School of Engineering of the University of Calabria. Founding Director of the Institute on Membrane Technology, CNR, Italy. Since 2018 Guest Professor of School of Marine Science and Technology of Harbin Institute of Technology, Weihai, P.R.China. Since 2012 Distinguished Adjunct Professor, CEDT King Abdulaziz University, Jeddah Saudi Arabia; since 2010 WCU Distinguish Visiting Professor, at the Hanyang University, Seoul Korea; His research activities focus on Membrane Science and Engineering, Membranes in Artificial Organs, Integrated Membrane Processes, Membrane Preparation and Transport Phenomena in Membranes, Membrane Distillation and



Membrane Contactors, and Catalytic Membrane and Catalytic Membrane Reactors. He is involved in many International Societies, Scientific Committees, Editorial Boards, and International Advisory Boards. Currently Chairman of the Section on «Membrane Engineering» of the European Federation of Chemical Engineering and coordinator of EU-EUDIME Doctorate School on Membrane Engineering. He has been coordinator of several international research projects. He is Honorary President of European Membrane Society (1999).

He is the recipient of various Awards and Honours, ex. "Richard Maling Barrer Prize" of the EMS, Academician Semenov Medal of Russian Academy of Engineering Science, MIAC International Award for his contributions in the field of Membrane Science and Technologies, etc. He is author of more than 850 scientific papers, 22 patents and 28 books on Membrane Science and Technology.



Pablo León Higueras, Spain: Biogeochemical Mapping: a New Tool to Assess the Soil Quality and Health

KEYNOTE 17

PABLO L. HIGUERAS is Graduated (1981) and PhD (1994) at University of Granada (Spain). From 1981 to 1984 he worked as Project Geologist at the consulting company "Investigaciones Geológicas y Mineras S.A.", INGEMISA, in Córdoba; and from 1984 to 1990, at the mining company "Minas de Almadén y Arrayanes S.A.", MAYASA, in Almadén (Ciudad Real), also as a project geologist. In both companies he participated in the development of mining research projects, for different clients, including the Spanish Geological Survey (IGME), and different mining companies.



In March 1990 he passed to the University of Castilla-La Mancha, where he has developed his academic and research carrier, reaching the level of Full Professor in Mining Exploration in 2008. He is integrated in the Department of Mining and Geological Engineering, teaching at the Almadén Scholl of Mines the subjects of "Ore Deposits" and "Mining Environmental Technology".

His research carrier started with some minor publications and communications in regional and national conferences during the years at INGEMISA and MAYASA. Since year 1999 he has been the leader of some 14 research projects funded by Regional, National or International (LIFE Environment Programme) funding agencies or institutions. Besides, he has also been the leader of some 20 research projects funded by different companies. Since its creation in 2010, he is the head of "Instituto de Geología Aplicada" (IGEA-UCLM), research institute of this University based in Almadén, and clustering the researchers linked to studies on Earth Sciences at UCLM.

The main research lines characteristic of his activity have been, successively: i) geological and geochemical characterization of sulfides ores deposits; ii) applications of geochemistry to ore deposits prospecting; iii) applications of geochemistry to the characterization of mining-related contamination; iiii) atmospheric geochemistry of mercury; and iiiii) biogeochemistry of mining-related contaminated areas. Besides, he has collaborated sporadically in several additional research lines, always in collaboration with researchers from a large number of Spanish and international research institutions worldwide.

Linked to his research activity, he has been the author or co-author of some 150 scientific publications, 80 of them published in JCR journals, and has presented or co-authored some 200 communications in national or international conferences. The JCR publications has a HIndex of 20 (Scopus.com).

His research activity has also implied short stays in a large number of countries, with different missions, both academic (participation in courses) and scientific-technical (collaboration in different tasks with technicians and academics from the corresponding countries). These include invited stays in Chile (10 times), Colombia (3 times), Venezuela (3 times), Bolivia (2 times), Perú (2 times), Argentina (2 times), México, Italy (U. Trieste; 3 months); Germany (3 times), or Kirgizstan (3 times), among others.



KEYNOTES

Michael Weber, Germany: The Alps Revisited – 4D-MB, the German Contribution to the AlpArray Mission

EYNOTE 18

Dr. Michael Weber is a full Professor of Geophysics at University of Potsdam in Germany since 1998. He is also Head of Section Geophysical Deep Sounding at The Helmholtz Centre Potsdam - GFZ German Research Centre for Geosciences since 1997. His research interests cover the development and application of geophysical methods (seismics, seismology, magnetotelluric, modelling) for interdisciplinary connection with other geo-disciplines - with the aim to understand processes and for applications on scales ranging from plate tectonics to near surface processes. Applied aspects include the study of near surface processes, shale gas and geothermal reservoirs.



François Roure, France: Tethyan and Alpine Controls on the Crustal Architecture of the Tunisian and Algerian Atlas and Tell: Needs for Coupled Deep Seismic Soundings and Tomography

VEYNOTE 19

François Roure was trained at the ENS in St-Cloud in France. He got his Ph.D. at Paris VI University in 1979 and his "thèse d'état" in 1984 at the same university, dealing the geodynamic evolution of the North American Cordillera in northern California and Oregon during the Mesozoic. After 4 years spent with CNRS (1980–1984), he joined the French Institute of Petroleum (IFP) in 1984, and was still senior geosciences advisor at IFP Energies nouvelles (http://www.ifpenergiesnouvelles.fr), the current name of former IFP, from 2000 to 2018, extraordinary professor at the University of Utrecht, the Netherlands, from 2012 to 2016, and member of the CNE2 (French assessment board for research and the studies



into the management of radioactive waste and materials, http://www.cne2.fr) from 2010 to 2016. Together with Magdalena Scheck-Wenderoth from GFZ, François was also leading from 2005 till 2015 the Task Force 6 on Sedimentary basins from the International Lithosphere Program (ILP, with support form IUGS and IUGG, http://www.scl-ilp.org/). Until 1995, his main research topic was the crustal architecture of the Alps and Pyrenees (Ecors program), and the petroleum systems offoreland fold-and-thrust belts in the Apennines, Carpathians, Albania, Sicily, Alaska and Venezuela. After a sabbatical year spent at the USGS in Menlo-Park, California (1994–1995), François initiated numerous international joint industry projects for reservoir appraisal (SubTrap, Sub-thrust reservoir appraisal) in the Himalayan foothills in Pakistan, in sub-Andean basins in Venezuela and Colombia, as well as in the North American Cordillera (Mexico and Canadian Rockies). More recently, he was also involved in the study of the crustal architecture of the Northern Emirates and North Algeria (Tellian and offshore domains). He received the following awards:

- Charles Jacob prize from the French Academy of Sciences (1996)
- Distinguished Lecturer for the AAPG (1998)
- Alfred Wegener prize from the EAGE (2010)
- André Dumont medal from Geologica Belgica (2012)

Nadine Ellouz-Zimmermann, France: Impact of the Geodynamics on Tectonic and Climatic Risk Instabilities in Interior Seas: Insights of Land-to-Sea Study on Caribbean Pathways (Haiti) – Potential Application on MediterraneanTomography

KEYNOTE 2(

After accomplishing her PHD on subsidence modeling of the central, eastern Tunisian Basins and Pelagian Sea in 1984 at Paris VI University under the supervision of X. Le Pichon, Dr. Ellouz-Zimmermann joined the University of Sfax in Tunisia for teaching Geology and Geophysics at ENIS during 5 years. Afterward, she joined Elf AQUITAINE in France and BEICIP for two years, working on offshore regional synthesis. In 1989, she joindre the Institut Français du Pétrole (IFP) where she is still in function until today. She has been working on various basins and fold and thrust belts in the world respectively: Atlantic, Mediterranean, Arabian and Indian margins; Carpathians, Himalayas (Pakistan India), N. and Central Americas, N. Africa, and Greenland. For few years, she developed a project dealing with fault activity and interaction with natural CO2 escape (in Utah and Rockies front), and analyses natural sequestration in travertines. Since 2011, at IFPEN, she has been focusing her interest on the N. Caribbean domain, coupling offshore and onshore acquisitions across this complex Transform boundary. Along this very active margin she developed projects, by coupling regional and different time scales: from the long-term geodynamic, tectonic and sedimentary heritages to the recent seismic activity ones. The later being actively used for geological and societal risk assessment. Dr Ellouz-Zimmermann is a specialist in Tectonics, Field Geology, Basin Modeling and Petroleum systems.





Martin Mai, Saudi Arabia: Rupture Dynamics and Seismic Radiation on Multi-Scale Geometrically Complex Faults

KEYNOTE 21

Prof. P. Martin Mai is Professor of Geophysics, in the Physical Sciences and Engineering Division at KAUST. He joined KAUST in June 2009 as founding faculty member. Prior to his affiliation with KAUST, Prof. Mai worked as senior research scientist at ETH Zurich, Switzerland. Since 2003, Prof. Mai has supervised more then twenty PhD and MSc students, guided more than ten postdoctoral researchers, and served on numerous student evaluation committees. Prof. Mai is an active member of the American Geophysical Union (AGU), the Seismological Society of America (SSA), the European Geosciences Union (EGU), and the German Geophysical Society (DGG). Prof. Mai has published over 80 peer-reviewed papers



in highly ranked international journals, has (co-)organized several international workshops and conferences, and chaired many special sessions at international conferences. In 2015, he was elected Division President of the Seismology Division of the European Geosciences Union (EGU); he will serve in this capacity until April 2019. Prof. Mai is also the Chair of the Earth Science Faculty and the Associate Dean for the Division of Physical Sciences and Engineering at KAUST. Research Interests

In Professor Mai's research, he and his team members and collaborators investigate the physics of earthquakes and the complexity of earthquake phenomena, focusing on earthquake–source imaging, dynamic rupture modeling, and earthquake mechanics. His work extends to strong ground–motion properties and near–source seismic wave–field simulations that include wave scattering in heterogeneous media. As such, his work spans from fundamental earthquake physics to earthquake–engineering applications, by quantifying earthquake source complexity to improve ground–motion simulation for seismic hazard assessment. In addition, he works on uncertainty quantification in earthquake source studies, leading an international collaboration to perform numerical experiments for validating and improving earthquake source inversion strategies.

The second major thrust in Prof. Mai research investigates the Earth's structure underneath Saudi Arabia, using seismic data recorded by the Saudi Geological Survey and by their own observational network. The goal is to better image the structure of the Earth crust and upper mantle underneath the Arabian plate, as these affect our ability to locate earthquake and understand their tectonic origin. As such, these fundamental studies facilitate further seismological research in Saudi Arabia, as well as studying the geodynamic context of the Arabian plate and the Red Sea.







- COURSE 1 Broder J. Merkel, Germany: Water-rock interaction modeling with PHREEQC
- COURSE 2 Dorrik Stow, Scotland: Deepwater Sedimentary Systems: Facies, Architecture and Petroleum Significance
- COURSE 3 Maurizio Barbieri, Italy: Application of stable isotopes in environmental tracer studies
- COURSE 4 Hesham M. El-Askary, USA: Observations of the Earth's Spheres and the Changing Climate



Broder J. Merkel, Germany: Water-rock interaction modeling with PHREEQC

COURSE

Water-rock interactions are important for many processes on earth. Some of them are fast while others are rather slow in view of reaction kinetics. Sorption as an example is normally always rather fast (minutes to hours until equilibrium is reached) while precipitation or solution of minerals covers a huge range from hours to geological times (thousands of years). Models based on kinetics are costly in terms of CPU time and do need site specific reaction rates for all processes. On contrary models based on thermodynamics are less costly and utilize commonly available log-K values for chemical reactions.



Thus combining both thermodynamics and kinetics is often a feasible approach to simulate actual situations and problems. PHREEQC is used in this short course to demonstrate how certain problems can be solved.

Dorrik Stow, Scotland : Deepwater Sedimentary Systems: Facies, Architecture and Petroleum Significanced

COURSE 2

Scientific understanding of processes, sediments and architecture in the deep sea is advancing rapidly. Turbidite reservoirs are currently the principal target for oil and gas exploration, with over 1600 existing fields, whereas contourites are the petroleum play of the future. Improved geohazards mapping in deepwater is vital, especially as over 90% of internet communications is via submarine cables. This course will provide a state-of-the-art overview of the very complex deep marine system. It will outline the processes and facies and how they evolve on the slope and in the open ocean; discuss how these



facies build into distinctive architectural elements and how they can be recognized in the subsurface, using seismic records, wireline logs and borehole cores. Both modern seafloor and ancient outcrop analogues provide quantifiable attributes for the component elements of deepwater systems. Examples from deepwater hydrocarbon plays around the world will be used as case studies. Participants may bring their own datasets and questions for a final discussion session.

Maurizio Barbieri, Italy: Application of stable isotopes in environmental tracer studies

COURSE

Stable isotopes are being increasingly applied in earth sciences to study environmental-related processes. This course provides an introduction to the theory and application of stable isotopes in earth and environmental sciences. In particular, isotope-based methodologies have become well established within the hydrological community for water resource assessment, development and management, and are now an integral part of many water quality and environmental studies. These methodologies usually rely on «tracing» either isotope species naturally occurring in water (environmental isotopes) or on isotope tracers intentionally introduced into them. The list of stable isotopes that has important implications for water resources management has grown in recent years. In this context, the course will be context.



implications for water resources management has grown in recent years. In this context, the course will give an opportunity to explore some of stable isotopes techniques with examples and applications.

Hesham M. El-Askary, USA: Observations of the Earth's Spheres and the Changing Climate

OURSE

There is no point in denying climate change. We are living in a dynamic interactive system made up by a series of spheres namely, the atmosphere, the hydrosphere, the cryosphere, and the biosphere. We just focus on global warming, rising temperature and CO2 emissions! What about the domino effect in our fragile Earth system? This course will briefly discuss different aspects of these effects associated with the above mentioned spheres of the Earth system, how they interact to shape the environment in which we live? and how they are affected by our changing climate? Remote Sensing and Earth observations concepts will be employed and discussed to show how we can benefit from them.









- WORKSHOP 1 François Roure, France & Sami Khomsi, Saudi Arabia: From basin-scale to crustal and lithospheric architecture of the Maghrebides and their Atlasic-Saharan foreland: Needs for coupled deep seismic soundings and tomography
- WORKSHOP 2: Late Jurassic-Cretaceous Rudist palaeobiology and applications: Progress and prospects (cancelled)
- WORKSHOP 3 Nabil Khélifi, Germany: How to prepare a successful scientific paper
- WORKSHOP 4 Amjad Kallel, Tunisia: Step-by-step process for the submission and handling of manuscripts on the Editorial Manager system



François Roure, France & Sami Khomsi, Saudi Arabia: From basin-scale to crustal and lithospheric architecture of the Maghrebides and their Atlasic-Saharan foreland: Needs for coupled deep seismic soundings and tomography

WORKSHOP

Since the mid 80ies, national and international deep seismic reflection profiles have provided unique controls on the Moho and crustal architecture beneath sedimentary basins, tectonic wedges and adjacent forelands, mostly in North America and Europe. More recent and still ongoing 3D mantle and crustal tomography programs based on 3D passive seismic recording have also documented lateral seismic anisotropies and vertical seismic reversals in tectonic wedges and adjacent forelands. They provide accurate velocity models which can also be used for depth conversion and





processing of more conventional reflection profiles. Mantle tomography has been successful in documenting the vertical and lateral extent of lithospheric slabs and crustal delamination. The lack of such deep controls in North African tectonic wedges and adjacent forelands still precludes any prospection of deep plays. For instance, deep seismic soundings profiles would be of huge interest for better controlling the geodynamic and thermal evolution of North African sedimentary basins, for unlocking new exploration objectives, as well as better documenting the deep architecture of active fault systems. Therefore, the aim of this roundtable is to stimulate the interest of both national and international research teams, agencies and companies for these topics, and to investigate the possibilities to launch ambitious North African crustal imagery projects.



Nabil Khélifi, Germany: How to prepare a successful scientific paper

VORKSHOP 3

Publication must be seen as an important, if not the most important, part of the research process. However, writing research papers for academic journals is not easy and is also very competitive. After producing data and generating ideas from your research, how do you write a clear and concise paper that attracts the attention of journal editors? How should you prepare a cover letter? How should you respond to reviewer reports? A Senior Publishing Editor from Springer Nature in Heidelberg, Germany shares his advice during three hours on how to effectively write and structure your paper, prepare a cover page and respond to reviewers' comments.



8:30~10:30 NOV.

Amjad Kallel, Tunisia: Step-by-step process for the submission and handling of manuscripts on the Editorial Manager system

ORKSHOP 4

Research papers submitted for publication in academic journals require fastidious tasks through a long pathway until the day of publication. Journal editors are the hub of the process and have to handle many submissions without sacrificing quality and integrity of the journal. In addition, editors still have to carefully check whether the research being reported have been conducted in an ethical and responsible manner. Submission/evaluating systems such as Editorial Manager (EM) are used by many journal editors allowing them to handle several hundreds of submissions each year. How to efficiently use and manipulate the various features of EM from an initial submission until rendering a final decision



(technical check and similarity report, targeting/inviting relevant reviewers, responding to authors queries, following up with associate editors and reviewers, etc.)? This short course intends to present/discuss the main steps for a successful editing process: What should be done and how it is done?





TRACK 1.

Climate, paleoclimate and paleoenvironmental changes



Track Editors/Chairs

- Zhihua Zhang (AJGS Editor): College of Global Change and Earth System, Beijing Normal University, Beijing, China
- Nabil Khélifi (AJGS Editor): Earth Sciences Editorial Department, Springer, Heidelberg, Germany
- Abdelkader Mezghani (Guest Editor): Norwegian Meteorological Institute, Norway
- Essam Heggy (Guest Editor): University of Southern California & NASA Jet Propulsion Laboratory, Caltech, USA



Patterns and Mechanisms of Climate, Paleoclimate and Paleoenvironmental Changes from Low-Latitude Regions

Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018







Congress Area



 ID829: Holocene paleoclimatic variation inferred from study of sediments in the gulf of Tunis (North Africa)

Nizar Ouertani, Soumaya Yahyaoui

- ID947: The Thar Desert Calcretes: A Proxy for Understanding Late Quaternary Paleoclimate Shifts Hema Achyuthan
- ID799: Reconstruction of Holocene paleoenvironmental changes along northern coast of Sfax: analysis of foraminiferal associations Afef Khadraoui, Jérôme Bonnin, Chahira ZaÏbi, Fekri Kamoun
- ID803: Evolution of Korba Lagoon (Cap Bon, Tunisia) during the last millennia based on the analysis of foraminiferal assemblages

Asma Ben Hamad, Chahira ZaÏbi, Martin R. Langer, Fekri Kamoun

 ID956: Paleoenvironment evolution of a paralic system, El Guettiate and Dreïaa sebkhas (Gulf of Gabès, Tunisia)

Zeineb Gargouri, Kamel Zouari

- ID922: Long-Term Ground Based Precipitation Data Analysis in California: Spatial and Temporal Variability Luciano Rodriguez, Cyril Rakovski, Mohamed Allali, Hesham El-askary
- ID181: CORRELATION BETWEEN NAO AND RADIO REFRACTIVE INDEX OVER AFRICA

Joseph Dada, Adekunle Adediji, Kayode Adedayo, Moses Ajewole

- ID861: Impacts of relative sea level change and sedimentary dynamic on an historic site expansion along the coast between Sfax and Jebeniena, Tunisia Mohamed Kamoun, Afef Khadraoui, Asma Ben Hamad, Chahira Zaïbi, Martin R. Langer, Nejib Bahrouni, Mohamed Ben Youssef, Fekri Kamoun
- ID808: Sedimentary dynamics and sea level change along Hachichina coast (Gulf of Gabes, Tunisia) during the Holocene - Response of ostracods and foraminifera assemblages

Khaoula Benkhlifa, Chahira Zaibi, Jerome Bonnin, Fekri Kamoun

 ID195: Groundwater resources sustainability in Africa under climate change scenario: knowledge gaps and needs

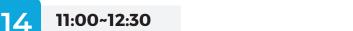
Ahzegbobor P. Aizebeokhai, Kehinde D. Oyeyemi, Adebola E. Adeniran

 ID145: Adaptation strategies and resilience to climate change for warm, dry-summer continental climate zone in Iran

Gholamreza Roshan, José A. Orosa, Ángel M. Costa, Rebeca Bouzón

 ID146: Building energy consumption and carbon dioxide emissions in a small region with a warm and semi-humid climate type (Iran)

Gholamreza Roshan, José A. Orosa, Ángel M. Costa, Rebeca Bouzón



Session: T1-0S1

Congress Hall

Session: T1-OS2

Congress Hall

 ID144: Orbital-scale paleoceanographic response to the Indian monsoon in the Laxmi Basin of the Eastern Arabian Sea

Boo-keun Khim, Ji-eun Kim, Keiji Horikawa, Minoru Ikehara, Yoshihiro Asahara, Jongmin Lee

 ID797: The 4.2 ka event in the Euro-Mediterranean region – A study from the MISTRALS/PALEOMEX program

Bassem Jalali, Marie-alexandrine Sicre

 ID754: Record of Early Cretaceous Oceanic Anoxic Events in Adriatic Platform, Croatia

Antun Husinec, J. Fred Read

- ID129: Paleoclimate evolution of the Kordofan region, Sudan, during the last 13 ka
 Ahmed Dawelbeit, Etienne Jaillard, Ali Eisawi
- ID389: Use of Paleoclimate Rainfall data to Detect Mega Drought Signals

Joo-heon Lee, Chanyang Sur, Seo-yeon Park

 ID312: Noble gas recharge temperature of Sfax deep groundwater (southeastern of Tunisia)

Rim Trabelsi, Mahdi Trabelsi, Kamel Zouari, Takuya Matsumoto



 ID540: Systematics and Palaeoclimatic investigations of Sivalhippus from the Late Miocene Siwaliks of Pakistan

Muhammad tahir Waseem, Abdul majid Khan, Rana manzoor Ahmad, Ayesha Iqbal, Muhammad Ameen

- ID305: Using of Environmental Isotopes and Krypton-81 to characterize and to date Continental Intercalaire Paleogroundwater (Southern Tunisia)
 Kamel Zouari, Takuya Matsumoto, Rim Trabelsi, Pradeep Aggarwal
- ID294: New reports of Messinian Lago-Mare episodes from Tunisia: paleoenvironmental implications.

Rim Temani, Hayet Ammar Khayati, Francesco Sciuto

• ID742: Geochemical evidences of paleoenvironmental changes in lacustrine sediments of the Konya Closed Basin (Konya, Turkey) resulted from Late Quaternary paleoclimatic variations Orhan Hükmü, Delikan Arif, Demir Ahmet, Kapan Sevinç, Olgun Kemal, Özmen Ayhan, Sayin Ülkü, Ekici Gamze, Aydin Hülya, Nazik Atike

- ID237: Collective statistical significance of trends: an application to the Mediterranean and Middle East Radan Huth, Martin Dubrovsky
- ID22: Sensitivity of IDF Curves to Rainfall Gauge
 Type

Abdullah Al-wagdany

 ID353: Structural characteristics of precipitation in Jordan

Fayez Abdulla, Abdulelah Al-gadami

- ID352: Regionalization of Precipitation in Jordan Abdulelah Al-qadami, Fayez Abdulla
- ID440: Economic Impact of Sand and Dust Storms on the Oil Sector in Kuwait

Ali Al-Hemoud, Safaa' Al-Awadhi





TRACK 2.

Geo-informatics, remote sensing, geodesy



Track Editors/Chairs

- Hesham M. El-Askary (Guest Editor): Schmid College of Science and Technology at Chapman University, USA
- Saro Lee (AJGS Editor): Korea Institute of Geoscience and Mineral Resources, Daejeon, South Korea
- Essam Heggy (Guest Editor): University of Southern California & NASA Jet Propulsion Laboratory, Caltech, USA
- Biswajeet Pradhan (AJGS Editor): University of Technology Sydney, Sydney, Australia



Advances in Remote Sensing and Geo Informatics Applications

Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018







Session: T2-OS1

Room 3

 ID138: Visualization of subsurface data using threedimensional cartograms

Ziqiang Li, Saman Aryana

 ID165: GIS contribution to the implementation of an EOSID process followed in case of an engine failure after the take-off of a Boeing 737-500 aircraft from Tabarka-Aïn Draham International Airport (NW of Tunisia)

Mohamed Hafedh Hamza, Meriem Saddour, Hanen Mokrani, Raouf Khelif

 ID167: On Geo-informatics Ecosystem Framework for Managing the Energy Resources in the Frontier Sedimentary Basins

Shastri Nimmagadda, Said Hanafy, Sharaf Eldin Mahmoud

 ID406: A GIS-based Spatially Distributed Crop Water Demand Modelling for Pullambadi Canal Command Area in lower Cauvery Basin, Tamil Nadu, India
 Subbarayan Saravanan, Jacinth Jennifer J, D Abijith, ID702: Seasonal hydrological loading from GPS observed data across contiguous United States using Integrated Apache Hadoop framework
 Pece Gorsevski, Yuning Fu, Kurt Penter, Jeffrey Snyder, Asanga Ramanayake

- ID866: Validation of TRMM satellite rainfall algorithm for forest basins in Northern Tunisia
 Saoussen Dhib, Zoubeida Bargaoui, Chris Mannaerts
- ID196: Producing of land cover map for marshes areas in the south of Iraq using GIS and remote sensing techniques

Hussein Jaber



Leelambar Singh

Session: T2-OS2

Room 3

- ID277: A modified Triangle with Target Parameters of SAR for Soil Texture Categorization Mapping Shoba Periasamy, Divya Senthil, Ramakrishnan S. Shanmugam
- ID58: Land use Classification and Change
 Detection using Multi-temporal Landsat imagery in
 Sulaimaniah Gov-ernorate, Iraq

Karwan Alkaradaghi, Salahalddin Ali, Nadhir Al-ansari, Jan Laue

 ID850: Toward satellite-based estimation of growing season framing dates in conditions of unstable weather

Evgeny Panidi, Ivan Rykin, Giovanni Nico, Valery Tsepelev ID35: Correlation between Surface Modeling and Pulse Width of FWF-Lidar

Fanar M. Abed

 ID785: Building Hights and Floor Estimation Using 3D Maps, central part of Kucukcekmece, Istanbul, Turkey

Arzu Erener, Gulcan Sarp, Muhammet Ibrahim Karaca



Session: T2-OS3

Room 3

- ID787: Automatic Building and Building Height
 Determination From Unmanned Aerial Vehicle Data
 Efdal Kaya, Arzu Erener
- ID166: Nile Delta Sedimentary Basin a Big Data Guided Digital Petroleum Ecosystem
 Shastri Nimmagadda, Said Hanafy, Torsten Reiners
- ID397: Spatial Modeling of Gully Erosion Using Different Scenarios and Evidential Belief Function in Maharloo watershed, Iran

Mahdis Amiri, Hamid Reza Pourghasemi, Gholam Abbas Ghanbarian, Sayed Fakhreddin Afzali

 ID411: Mapping information of fire events, from VGI source (twitter), for effective disaster management in Greece; the fire of North-East Attica (August 2017, Greece) case study

Stathis G. Arapostathis, Marianthi Karantzia

ID516: Two Dimensional Flood Inundation Modelling
 In Urban Area Using WMS, HEC-RAS and GIS (Case

Study in Jeddah City, Saudi Arabia)

Kuswantoro Marko, Amro Elfeki, Nassir Alamri, Anis Chaabani

- ID565: Detecting recent deformation patterns using geomorphometric indices and remote sensing: a case study from the Sahel of Sfax (eastern Tunisia)
 Mourad El Koundi, Radhia Mansour, Abdessalem El Ghali
- Measuring and Monitoring Land Subsidence and Earth Fissures in Al-Qassim Region, Saudi Arabia: Inferences from InSAR.

Abdullah Othman

 ID276: Groundwater Productivity Potential Mapping using Logistic Regression and Boosted Tree Models: the case of Okcheon city in Korea

Saro Lee, Chang-wook Lee, Jeong-cheon Kim



Congress Area



 ID190: Comparative GIS-Based automated landform classifications: application of Jenness and Shary methods to the Jebel Chaambi area (west-central Tunisia)

Meriem Labiadh, Ibtissem Amri, Mohamed Chedly Rabiaa

 ID407: Solar power plant site location suitability analysis using GIS weighted average raster overlay [Lebanon]

Amal laaly, Oussama Jadayel, Nabil Karame, Nachaat Khayat

 ID716: Characterization of periodic signals and noises of Geocenter motion from Space geodesy techniques data

Bachir Gourine

 ID722: Geo-informatics for optimal design of desalination plants using renewable energy sources: The DESiRES platform paradigm

Eftichios Koutroulis, George Petrakis, Dionissios Hristopulos, Achilles Tripolitsiotis, Nabila Halouani, Arij Ben Naceur, Panagiotis Partsinevelos

 ID760: Combination of Simple Additive Weighting (SAW) and Hierarchical Analysis Process (AHP) methods for the determination of construction suitability zones in the eastern part of the Jijel region (North East Algeria)

Karim Remoum, Azzedine Bouzenoune

 ID826: Multi-source system for accurate urban extension detection

Hassna Kilani, Hichem Ben Abdallah, Takoua Abdellatif, Rabah Attia ID827: 3D Reconstruction of Residential Areas with SfM Photogrammetry

Murat Yakar, Yusuf Dogan

 ID864: Logistic Regression-Based Geomorphological Mapping in the Arabian Platform: Implications for the Paleohydrology and the Paleoclimate of the Arabian Desert

Racha Elkadiri, Abotalib Abotalib, Mohamed Sultan

 ID905: Contribution of remote sensing to cartography (Application in the region of Djanet, East Hoggar, Algeria)

Dalila Nemmour- Zekiri, Yamina Mahdjoub, Fatiha Oulebsir, Zakaria Hamimi

 ID330: Multitemporal remote sensing for monitoring highly dynamic phenomena: case of the ephemeral lakes in the Chott El Jerid, Tunisia

Khairat Abbas, Jean-Paul Deroin, Samir Bouaziz

- ID466: Delineation of Groundwater Potential Zones for Hard Rock Region in Karnataka using AHP and GIS Mohit Aggarwal, Subbarayan Saravanan, Jacinth Jennifer J, D Abijith
- ID524: Impact of Land-use change on Soil erosion process in Coonoor watershed, Nilgiris Mountain range, Tamil Nadu, India

Subbarayan Saravanan, Jacinth Jennifer J, Leelambar Singh, Saranya T, S Sivaranjani

 ID573: Exploring the influence of land use type and population density on urban heat island intensity Mir Parvez, Yusuf Aina







 ID215: Remote Spectral Imaging Using a Low Cost UAV Sys-tem for Monitoring Rangelands

Mounir Louhaichi, Steven Petersen, Teresa Gomez, Ryan Jensen, Grayson Morgan, Chuck Butterfield, Russell Burton, Chandrashekhar Biradar

- ID539: An Innovative Technique for Estimating the Radius of Buried Cylindrical Targets Using GPR
 Rim Ghozzi, Samer Lahouar, Chokri Souani
- ID676: Classification of Landslide Features Using LiDAR DEM and Back-Propagation Neural Network Jee-cheng Wu, Chia-hao Chang
- ID875: Estimation of tree crown biomass of single standing Oak trees using terrestrial photogrammetry in Zagros forests

Zahra Azizi

 ID876: Estimation of available canopy fuel of coppice oak stands using low-density airborne laser scanning data

Farzad Yavari, Hormoz Sohrabi

 ID241: Research Issues on Geovisual Analytics for Petroleum Data Management

Rifaat Abdalla

- ID292: Potential rock carbonate production site determination using qualitative site multifactor analysis: case study - South Africa
 Freeman Senzani, Antoine Mulaba-bafubiandi
- ID321: Lineament Mapping using RS and GIS
 Techniques at Mbateka, SE Came-roon: implication for Mineralization.

Melvin Tamnta Nforba, Linus Api, Nelvice Berinyuy, Salomon César Nguemhe Fils

 ID772: Spatial estimation of Soil Organic Matter Content using remote sensing data in Southern Tunisia

Emna Medhioub, Moncef Bouaziz, Samir Bouaziz

- ID833: Applicability of Landsat TM Images to Detect Soil Salinity of Coastal Bangladesh
 Jannatul Ferdous, M Tauhid Ur Rahman
- ID461: VegMeasure: Image Processing Software for Grassland Vegetation Monitoring
 Mounir Louhaichi, Sawsan Hassan, Douglas E. Johnson



Congress Area



 ID410: Aerosol Optical Depth of Dust in Urban and Desert Area of Kuwait

Noor Al-dousari, Ali Al-dousari, Modhi Ahmed

 ID69: Assessing the impact of vegetation cover on total column ozone over West Africa

Samuel Ogunjo, Ibiyinka Fuwape, Babatunde Rabiu, Sunday Oluyamo, Eunice Owoola

 ID842: Contribution of satellite imagery to study salinization effect of agricultural areas at northern eastern oasis Algerian region

Khelifi Touhami Madina, Bouraoui Seyfallah, Berguig Mohamed-chérif

 ID916: Ecological monitoring of grasslands using interferometric products sentinel-1

Ons Chiboub, Maïlys Lopes, Pierre-Iouis Frison, Amjad Kallel

 ID919: On the drying trends over the MENA Countries using Harmonic Analysis of the Enhanced Vegetation Index

Wenzhao Li, Hesham El-askary, Mohamed Qurban, Mohamed Allali, K. P. Manikandan

 ID659: GIS based multi-criteria analysis for flood risk assessment: Case of Manouba Essijoumi basin, NE Tunisia

Salwa Saidi, Anis Ghattassi, Brice Anselme, Salem Bouri ID771: Adaptation of MEDALUS method for the analysis depicting land degradation in Oued Labiod valley (Eastern Algeria)

Rabah Bouhata, Aida Bensekhria

 ID320: Radar Space Measurements of the Deforming Trends at Northern Greece resulting from Underground Water Activity

Nikos Svigkas, Ioannis Papoutsis, Constantinos Loupasakis, Paraskevas Tsangaratos, Anastasia Kiratzi, Charalambos (Haris) Kontoes

- ID535: Quantification of phytoplanktonic algae density in Algiers bay (Algeria) by combining in situ measurements and Landsat satellite images Redouane Larbi Boufeniza, Fouzia Houma Bachari, Mohammad Alsahli, Nour El Islam Bachari
- ID694: Evaluation of coastal vulnerability and exposure to the risk of erosion and submersion in the coasts of Bou Ismail Bay

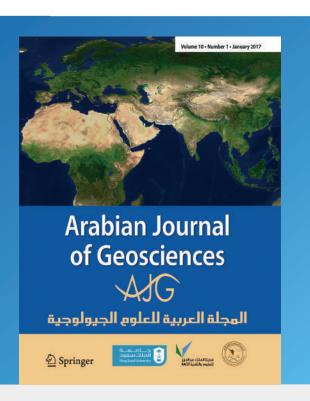
Walid Chaib, Mokhtar Guerfi, Yacine Hemdane

 ID655: Seasonal Air Pollution Investigation and Relation Analysis of Air Pollution Parameters to Meteorological Data (Kocaeli/Turkey)

Arzu Erener, Gülcan Sarp, Özge Yildirim



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On the occasion of the journal's

10th Anniversary, Springer and the
Founder & Editor-in-Chief
Prof. Abdullah Al-Amri
have organised the 1st Conference of
the Arabian Journal of Geosciences











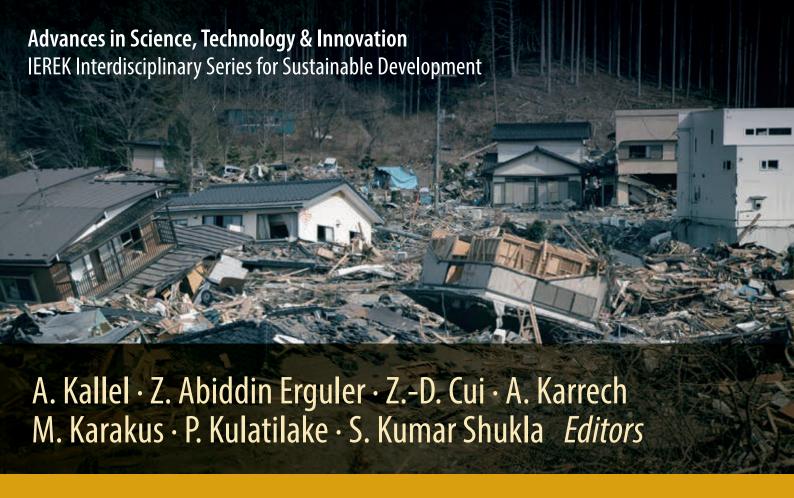
TRACK 3.

Geoenvironmental engineering, geomechanics and geotechnics, geohazards



Track Editors/Chairs

- Amjad Kallel (AJGS Editor): ENIS, University of Sfax, Tunisia
- Zeynal Abiddin Erguler (AJGS Editor): Dumlupinar University, Kutahya, Turkey
- Zhen-Dong Cui (AJGS Editor): China University of Mining and Technology, Xuzhou, Jiangsu, China
- Ali Karrech (AJGS Editor): The University of Western Australia, Australia
- Murat Karakus (AJGS Editor): University of Adelaide, Australia
- Pinnaduwa Kulatilake (AJGS Editor): Department of Materials Science and Engineering, The University of Arizona, USA
- Sanjay Kumar Shukla (AJGS Editor): School of Engineering, Edith Cowan University, Perth, Australia



Recent advances in geoenvironmental engineering, geomechanics and geotechnics, and geohazards

Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018





Session: T3-0S1

Room 2



- ID12: Hydro-geochemical behavior of acid formation of sulfide bearing rocks based on kinetic column tests
 Guzide Kalyoncu Erguler, Zeynal Abiddin Erguler
- ID712: Assessment of metal along a contamination gradient in soils collected from industrial areas in Northern Tunisia

Ahmed Ouni, Chedliya Ghemari, Amina Ben Said, Christelle Pruvot, Francis Douay, Karima Nasri-ammar

- ID245: Portland Cement exhaust characterization and its potential use in mineral carbon sequestration. Freeman Senzani, Antoine Mulaba-bafubiandi
- ID927: Laboratory investigation on mitigation of salinity hazard from low permeable soil by electrochemical treatment

Mohammed Mustapha Bessaim, Hanifi Missoum, Karim Bendani, Mohamed Said Bekkouche

- ID171: Identification of geotechnical properties of weak rock masses and stockpiles at Tunçbilek open pit mining and the related slope stability analyses
 Zeynal Abiddn Erguler, Huseyin Karakus, I Goktay Ediz, Cem Sensogut
- ID343: Engineering geological assessment using geochemical, mineralogical and petrographic analysis along the Riyadh Metro Line 3 (Saudi Arabia)
 Manuel Cueto, Carlos López-Fernández, Luis Pando, Daniel Arias



Session: T3-OS2

Room 2

ID416: Strength Estimation of Evaporitic Rocks
 Using Different Testing Methods

Hasan Arman, Osman Abdelghany, Ala Aldahan, Mahmoud Abu Saima, Bahaa Mahmoud, Saber Hussein, Abdel-Rahman Fowler, Saaed AlRashdi

 ID476: Characterization of soil stability to withstand erection of high-rise structure using electrical resistivity tomography

Theophilus Adagunodo, Lukman Sunmonu, Olagoke Oladejo, Anuoluwapo Olanrewaju

 ID464: Sand failure: Effect of Biocide on the geomechanical properties of outcrop carbonate rock under static condition

Elizabeth Wuyep, Gbenga Oluyemi, Kyari Yates, Alfred Akisanya

- ID859: Evaluation of some part of Lagos Wetland for Liquefaction Vulnerability using Integrated Approach Hamid Oladunjoye, Kayode Oyedele, Omolara Adenuga, Sofiat Adekoya
- ID27: Sand-steel interface behavior under cyclic loading

Mohamed Khemissa, Naoui Tallah, Djaâfar Barkat



Session: T3-OS3

Session: T3-0S4

Room 2

- ID53: Direct Measurements of Swell Potential of Expansive Soils with Computerized Equipment Murat Türköz
- ID163: Geotechnical Mapping of Clayey Subgrade soils Characteristics: A case study from Tebessa city (Algeria)

Adel Djellali, Med Salah Laour, Abdelkader Houam

- ID15: An experimental study to compare performance of two soil improvement techniques Yasin Baskose, Candan Gokceoglu
- ID420: Effect of Combined application of mineral fertilizer in soil hydraulic properties

Nissaf Karbout, Habib Bousnina, Mohamed Moussa, Nadhem Brahim, Roland Bol ID764: Effect of full wrap-around ends of geotextile on the bearing capacity of sand

Safa Djeridi, Naima Benmebarek, Sadok Benmebarek

- ID883: Stability Analysis of Slopes Prone to Circular Failures Using Logistic Regression Mehmet Sari
- ID472: The applicability of the hybrid method to analyze slope stabilizing contiguous pile walls Mehdi Dib, Salim Kouloughli, Mabrouk Hecini



 ID668: A photogrammetric surface comparison for a dam reservoir in a landslide – prone area in Eastern

Anatolia, Turkey

Sultan Kocaman, Eray Sevgen, Candan Gokceoglu

ID685: Sinkhole morphologies from
 Photogrammetry and Distinct Element Modeling – an example from the Dead Sea.

Djamil Al-Halbouni, Eoghan Holohan, Hussam Alrshdan, Ali Sawarieh, Torsten Dahm

 ID213: Towards development of risk-based, soil and groundwater screening values (threshold values) for Petroleum Hydrocarbon (PHC) in Libya and Tunisia by considering climate and regional "geographical" factors

Salahadein Alzien, Roger Brewer, Olfa Ben Said, Rafig Azzam

 ID494: Flow filling of a closed, circular and almost horizontal pipe

Mokrane Wahiba, Kettab Ahmed

- ID97: Assessment of Geological Hazards along Alagaba Highway - Red Sea State, Sudan Esamaldeen Ali, El Khidir Rahamt Allah
- ID792: Mining Geohazards at the perimeter of the Amyntaio open pit coal mine, West Macedonia, Greece

Constantinos Loupasakis

 ID348: Road slope instabilities in schist massifs: Case of the national road linking Marrakech to Ouarzazate, Morocco

Abdeltif Bouchehma, Azzouz Kchikach, Imad Kadiri, Hamid Essaidi, Mohammed Himmi, Khalil Bizani

 ID914: Landslide distribution analysis and susceptibility mapping: A case study from Haveli District, Pakistan

Muhammad Basharat, Rizwan Yousaf, Muhammad Riaz





 ID746: Behavioural responses of Armadillidium granulatum (Crustacea, Oniscidea) to zinc contaminated soil

Raja Jelassi, Wafa Hammami, Chedliya Ghemari, Karima Nasri-Ammar

- ID298: Heavy metals distribution in soils of an agricultural area impacted by former mining activities: case of Trozza mine, Tunisia
 Intissar Elmayel, Pablo Higueras, Jalel Bouzid, Eva.m Garcia Noguero, Zouhaier Elouaer
- ID534: Statistical distribution of geochemical elements in stream sediments and the influence of flood phosphate mud in mining area, Metlaoui, western south of Tunisia
 Feyda Srarfi, Raouen Rachdi, Roland Bol, Nadhem Brahim, Najet Slim Shimi
- ID541: Assessment of heavy metal contamination in the sediment of the Bizerte Lagoon in Northern Tunisia

Ibtihel Saidi, Olfa Ben Said, Jamel Ben Abdelmalek3, Luis Chicharo, Hamouda Beyrem

 ID487: Kinetics of crude oil desorption from contaminated soil

Rahal Soufiane, Hadidi Noureddine, Moulai mostefa Nadji

 ID383: Physical and chemical characteristics of municipal solid waste in Gabes
 Oumaima Chamem, Moncef Zairi ID911: Evaluation of air pollutants and dispersion patterns for the adjacent areas of Mellitah gas complex, Libya

Abdulhamid Danna, Amjad Kallel, Mohamed Jamel Rouis

- ID161: Remediation treatments and economic assessment of oil residual sludge from the bottom of Tunisian refinery crude oil storage tanks
 Olfa Ben Said, Rihab Belgacem, Boudour Ben Gaffar, Hamouda Beyrem, James R. Kahn
- ID380: Proposing rehabilitation scenarios for limestone quarries with 3D modeling and 3D print: Case of Jebel El Oust (Tunisian Atlas)
 Soumaya Ben Fredj, Fetheddine Melki, Kamel Jridi
- ID931: Heated blends of phosphate sludge: Thermal transformation and Microstructure characterization Hajer Baccour, Samir Baklouti
- ID529: Geochemical of fossil diatoms and its utilization as adsorbent in water treatment
 Touina Amel, Chernia Safia, Hamdi Boualem
- ID886: Elaboration and characterization of new adsorbent using oil shale ash for dyes removal from aqueous solutions

Youssef Miyah, Anissa Lahrichi, Fatiha Mejbar, Khalil Anis, Meryem Idrissi, Farid Zerrouq





- ID682: Biochars induced changes in the physicochemical characteristics of technosols:
 Effects of feedstock and pyrolysis temperature
 Manel Kammoun Rigane, Hajer Hlel, Khaled Medhioub
- ID253: Review on the mechanical behavior of soilstructure interface

Xue-ying Yang, Li Yuan, Zhen-dong Cui

- ID258: Study on the Deformation Properties of Functionally Gradient Metro Tunnel Lining Structure Tong-tong Zhang, Zhen-dong Cui
- ID488: Geological Context and Fracturing State of the Rock Massifs of the Jijelian Ledge (Northeast Algeria)

Chahra Yellas, Riad Benzaid

- ID255: Numerical investigation of the interface shear behaviors between double soil layers using PFC2D Zhong-liang Zhang, Zhen-dong Cui
- ID256: Seismic response and failure mechanism of the subway station: Literature review
 Zhi-xiang Zhan, Zhen-dong Cui

 ID261: Dynamic characteristics of soft clay under traffic load

Shi-an Dai, Zhen-dong Cui

- ID267: Study on physical and mechanical properties of clay before and after single freeze-thaw
 Chong Xu, Zhen-dong Cui
- ID257: Dynamic Properties of Soft Clay under Freezing-thawing Cycle

Chen-yu Hou, Zhen-dong Cui

 ID249: Analysis of the Track Critical Velocity in Highspeed Railway

Wankai Zhang, Li Yuan, Zhen-dong Cui

- ID262: Numerical simulation of land subsidence caused by both dewatering and recharging Xu-bing Xu, Zhen-dong Cui
- ID325: Displacement distribution caused by pumping from the aquifer in soil

Wen-hao Guo, Zhen-dong Cui, Zheng Li





- ID363: Long term evaluation of wetting-drying cycles for compacted soils treated with lime Maafi Nabil, Akchiche Mustapha, Sara Rios
- ID328: A direct shear investigation on the determination of the shearing resistance of soil reinforced with waste rubber
 Negadi Kheira, Arab Ahmed
- ID783: Improvement of geotechnical properties of aged municipal solid wastes using dredged sand and portland composite cement

Md. Maruful Hoque, M. Tauhid Ur Rahman, Md. Shoriful Alam Mondal

ID110: Valorization of foundry green sand in road construction

Hadj Bekki, M. Yacine Haouachine, Yacine Aouci

 ID429: Experimental and Numerical Performance Evaluation of Cement-Calcined Kaolin-River Sand-Clay Mixture as Highway Material

Arinze Emmanuel, Ekeoma Emmanuel

 ID282: An analytical Model for Determining the Natural Frequency of Retaining Structures Including the Earth Pressures

Lyazid Guechi, Smain Belkacemi

 ID68: Modelling of material and geometrical nonlinearities of footing by a new non-linear macroelement

Mourad Khebizi, Hamza Guenfoud, Mohamed Guenfoud

- ID500: Numerical modeling and parametric study of flexible wall reinforced with anchor system
 Dounia Amrani
- ID641: Numerical analysis of piled raft interaction in soft clav

Abdelkrim Ferchat, Sadok Benmebarek, Mohamed Nabil Houhou

 ID929: Evaluation of the Physical and Mechanical Properties and Structure of Geological Materials by Broadband Ultrasonic Structuroscopy

Ivan Shibaev, Oleg Belov, Alexander Kravcov, Svetlana Mesyats

- ID951: Multivariate Assessment of Soil Building Foundation Interaction using PLAXIS Software Ivan A. Shibaev, Ivan E. Sas, Dmitry M. Bagriantcev, Oleg L. Dudchenko
- ID924: Probability of Failure Assessment of Building Using Traditional and Enhanced Monte Carlo Simulation Techniques

Badreddine Chemali, Boualem Tiliouine





- ID435: Experimental investigation of the effect of internal erosion on the behavior of collapsible soils
 Laouar Med Salah, Djellali Adel, Houam Abdelkader
- ID502: Regression tools to quantify the swelling pressure of expansive soil in Tebessa region (Algeria)
 Yacine Berrah, Abderrahmane Boumezbeur, Nouar
 Charef
- ID945: Cyclic pressuremeter tests dedicated to study the behavior of piles under cyclic transverse loads Rim Baccara, Wissem Frikha, Philippe Reiffsteck, Sébastien Burlon
- ID264: Comparative study on the influence of the variation of initials stress on slope stability
 Brahim Lafifi, Mohamed Salah Nouaouria
- ID611: Contribution of morpho-tectonic analysis in the study of spatio-temporal evolution of land movements in North-West Tunisia: Example of Balta and Dir el Kef

Radhia Mansour, Mourad El Koundi, Nassira Zouaoui, Abdessalem El Ghali

- ID121: Mapping geological risk in urban areas (by the example of Moscow, Russia)
 Irina Kozliakova, Olga Eremina
- ID749: Vegetation dynamics on clay landslides after bioengineering works: three case studies in North Apennines, Italy

Donatella Pavanelli, Antea Gennari, Lorenzo Sulpizi, Claudio Cavazza

- ID482: Training of Sensors for Early Warning System of Rainfall-Induced Landslides
 Naresh Mali, Pratik Chaturvedi, Varun Dutt, Venkata Uday Kala
- ID198: An assessment of sensitivity to desertification in western High Atlas of Morocco: an application to Ain Asmama site
 Adnane Labbaci, Belkacem Kabbachi, Abdelkarim
 Ezaidi, James Thorne
- ID616: Erosion sensitivity mapping using GIS-based Multicriteria analysis – case study of the semiarid Macta watershed, North-West of Algeria Hamadouche Mohammed Amine, Daikh Fatima Zohra, Chrair Mohammed, Anteur Djamel, Fekir Youcef, Driss Miloud
- ID555: Influence of Anthropogenic activity on the development and spreading of flood hazardous events in Madeira Island (Portugal)
 Davide Baioni
- ID770: Understanding Preparedness Insufficiency in the Context of DRRM: A Case Study in Malinao, Albay, Philippines

Ana Marie Abante





TRACK 4.

Geography, geoecology, geoarcheology, geotourism



Track Editors/Chairs

- Haroun Chenchouni (AJGS Editor): University of Tebessa, Algeria
- Ezzoura Errami (Guest Editor): Chouaïb Doukkali University,
 El Jadida, Morocco
- Fernando Rocha (Guest Editor): University of Aveiro, Portugal
- Luisa Sabato (AJGS Editor): Università degli Studi di Bari "Aldo Moro", Bari, Italy



Exploring the Nexus of Geoecology, Geography, Geoarcheology and Geotourism

Advances and Applications for Sustainable Development in Environmental Sciences and Agroforestry Research

Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018





Session: T4-PS1 - Screen 1

Congress Area



 ID484: Sinuosity of Meandering Channels in Upper Krishna River Basin, India

Suchitra Pardeshi, Sudhakar Pardeshi, Pallavi Kulkarni

 ID651: Orchard understory species diversity in relation to orchard age and soil factors in Ibadan, Southwestern Nigeria

Olutoyin Fashae, Adeyemi Olusola, Aribisala Arioluwa, Olajumoke Oyeniyi

 ID260: Massive molluscan shell accumulation on the sea side of land strips of Amvrakikos Gulf lagoon complex (NW Greece)

Konstantinos Tsolakos, George Katselis, John A. Theodorou

 ID405: Vertical distributions of recent benthic
 Ostracoda at Pulivasal and Kurusadai Islands, Gulf of Mannar, Southeast coast of India

Kumari Deepali, Sithu G D Sridhar, Shaik M Hussain, Subramanian Maniyarasan ID560: An assessment of socio-economic profile and sustainable development in tourism potential areas:
 A case study of Galiyat (Pakistan)

Razzaq Ahmed, Shaukat Khan, Khalida Mahmood

- ID674: Archaeology and Archaeometry of Ceramics of the Roman City of Thaenae (Tunisia): between Inland Roman Africa and the Mediterranean Basin Rêve Rémi, Ambrosi Jean-paul, Capelli Claudio, Bonifay Michel, Barkaoui Abdelhamid
- ID169: "Giallo antico" in Roman architecture of Lombardy: a preliminary survey
 Roberto Bugini, Luisa Folli, Romina Marchisio



Session: T4-OS1

Room 3

- ID229: Climate and territorial suitability for the vineyards developed using GIS techniques
 Matteo Gentilucci, Maurizio Barbieri, Peter Burt
- ID795: An assessment of environmental impacts on agriculture in the Indus Delta Pakistan
 Gohar Ali Mahar, Nayyer Alam Zaigham
- ID920: Conservation of wetlands on Tunisian islands: Kerkennah and Kuriat islands as case study
 Khouloud Ben Charfi, Amjad Kallel, Thanos
 Giannakakis, Imen Rais
- ID48: Nabkha Morphometry and Properties of Aeolian Sediments Around Native Plants in Kuwait Ali Al-dousari, Modi Ahmed, Noor Al-dousari, Safaa Al-awadhi
- ID381: Effect of Climatic Factors on Essential
 Oil Accumulation in two Lamiaceae Species from
 Algerian Semiarid Lands
 Souad Mehalaine, Haroun Chenchouni

- ID522: Ecological interactions of Miocene to Pleistocene Siwalik Bovids, Suids and Giraffids traced out by enamel hypoplasia analysis
 Abdul majid Khan, Rana manzoor Ahmad, Ayesha Iqbal
- ID530: Why Anthracotheroides had faced family level extinction: enamel hypoplasia an answer to the

question Rana manzoor Ahmad, Abdul majid Khan, Amtur

Rana manzoor Ahmad, Abdul majid Khan, Amtur Rafeh, Ayesha Iqbal, Ghazala Roohi

 ID117: The Ecological Role of Cornulalca aucheri (Amaranthaceae) in the Stabilization of Degraded Sandy Soils in Kuwait: The Case Study of Liyah Area Modi Ahmed, Noor Al-dousari, Ali Al-dousari



TRACK 5.

Geophysics, seismology



Track Editors/Chairs

- Narasimman Sundararajan (AJGS Editor): Sultan Qaboos University, Muscat, Oman
- Mehdi Eshagh (AJGS Editor): University West, Trollhättan, Sweden
- Hakim Saibi (AJGS Editor): United Arab Emirates University,
 Al-Ain, Abu Dhabi, UAE
- Mustapha Meghraoui (AJGS Editor): Université de Strasbourg, Strasbourg, France
- Mansour Al-Garni (AJGS Editor): King Abdulaziz University, Jeddah, Saudi Arabia
- Bernard Giroux (AJGS Editor): Centre Eau Terre Environnement, Québec, Canada



On Significant Applications of Geophysical Methods

Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018





Session: T5-OS1

Congress Hall



 ID665: Structural setting of western Mali insights from magnetic data analysis

Adama Youssouf KONE, Imen Hamdi NASR, Wajdi BELKHERIA, Mohamed Hedi INOUBLI, Adnen AMIRI, Saïdou I Y

 ID757: Magnetotelluric investigation of the underlying structure of Manzaz volcanic district (Hoggar, Southern Algeria).

Abderrezak Bouzid, Amel Benhallou, Abdenaceur Lemgharbi, Abdelhamid Bendekken, Walid Boukhlouf, Zakaria Boukhalfa, Aboubakr Deramchi, Abdeslam Abtout, Khaled Aghanbilou

 ID479: Study of an aquifer in a semi-arid area using MRS, FDEM, TDEM and ERT methods (Youssoufia and Khouribga, Morocco)

Fatim-zahra Ihbach, Azzouz Kchikach, Mohammed Jaffal, Driss Elazzab, Konstantinos Chalikakis, Naomi Mazzili, Roger Guerin, Es-said Jourani ID82: Magnetotelluric imaging of subsurface structure in Rahat volcanic field, Madinah city, Saudi Arabia

Essam Aboud, Peter Wameyo, Faisal Alqahtani, Mohamaed Rashad

- ID828: Application of seismic refraction tomography to map bedrock: A case study from Al-Amrat, Oman Mohammed Farfour, Talal Al-hosni
- ID626: Geophysical and Geochemical Exploration of the Gold Bearing Placer Deposits in the Southern Blue Nile, Sudan

Mohamed A. Mohamed-Ali, Samia A. Ibrahim



Session: T5-OS2

Congress Hall

 ID796: Gas hydrates potential of Makran area, the offshore, Pakistan

Aamir Ali, Ihsan-ul Haq, Matee Ullah

- ID782: Influence of Himalayan topography on earthquake strong ground motions
 Anjali Dhabu, Raghukanth Stg
- ID587: Impact on the dynamic characteristics of reinforced concrete buildings in Algiers following two seismic events

Yamina Ait-meziane, Rania Souici, Nabila Guessoum, Djilali Bouziane, Khadidja Abbes

ID586: Reassessing the rupture process of the 2003
Boumerdes-Zemmouri earthquake (Mw 6.8, northern
Algeria) using teleseismic, strong motion, InSAR,
GPS, and coastal uplift data

Hamoud Beldjoudi, Bertrand Delouis, Abdelkrim Yelles-chaouche

 ID351: Contemporary Seismic Code of Russia and Other Countries of Former Soviet Union Nadira Mavlyanova

- ID316: Possible tsunami wave heights in the Eastern Mediterranean region from 1222 Paphos earthquake Ergin Ulutas
- ID510: Preliminary Seismic Hazard Modelling in northern Algeria

Hamdache Mohamed, Pelaez Jose, Yelles Chaouche Abdelkrim, Monteiro Ricardo, Marques Mario, Castro Miguel, Beldjoudi Hamoud, Kherroubi Abdelaziz

 ID75: Evaluation of liquefaction potential for two sites due to the 2016 Kumamoto earthquake sequence

Bashar Ismael, Domenico Lombardi

 ID744: Paleoseismological and morphotectonical characteristics of active faults in the vicinity of Mugla area (SW Turkey)

Serdar Akyüz, Erdem Kirkan, Mehran Basmenji, Ersen Aksoy, Aynur Dikbas Akyüz, Gülsen Uçarkus, Müge Yazici, Nurettin Yakupoglu, Cengiz Zabci





ID896: The study of the gravity anomaly maps of west and southwestern part of Ninawa governorate (Iraq)

Ezzadin Baban

- ID868: Geological evolution of the Tefedest Terrane a recorder of a polycyclic Pan-African amalgamation (Central Hoggar, Algeria), evidence from airborne geophysics, remote sensing and field study. Massinissa Amara, Abderahmane Bendaoud, Tsunogae Toshiake, Mohamed Amrouche, Hamimi Zakaria, Gregory Dufrechou, Mark Jessell, Basem Zoheir, Mohamed Hamoudi, Safouane Djemai
- ID266: Lithospheric structure along a transect from red sea to arabian shield using potential data (gravity and aeromagnetic data)

Akrem Nahali, Hakim Gabtni, Chokri Jallouli

 ID135: Neotectonic deformation model of the northern Algeria from paleomagnetic data: Preliminary results from Northwestern areas Mohamed El-messaoud Derder, Saïd Maouche, Philippe Robion, Bernard Henry, Mohamed Amenna, Boualem Bayou, Yves Missenard, Rafik Bestandji, Salamet Mahboubi

 ID798: Inversion of self-potential anomalies caused by 2D inclined sheets using Whale Optimization Algorithm

Mohamed Gobashy, Maha Abdelazeem, Mohamed Abdrabou

 ID786: Contribution of electrical tomography to the study of landslides in Texenna region (Northeast Algeria)

Hassiba Kherrouba, Mohammed Lamara, Riad Benzaid

 ID695: Characterization of layers saturated with biogenic gas using electromagnetic geophysical method

Mohamed Sbeaa, Hamza Khemiri, Ferdaws Ouakad, Younes Ferchichi

- ID270: 2-D resistivity model of magnetotelluric inversion from M'rara area, Algerian Sahara Foudili Djabir, Bouzid Abderrezak, Berguig Mohamed Chérif
- ID557: Q factor estimation and validation: a new link between VSP and seismic lines

Jean-luc Mari, Béatrice Yven





 ID556: Young's modulus: from core and logging to seismic lines

Beatrice Yven, Jean-luc Mari

 ID648: Contribution of Tomographic Imaging in the Study of the Tabellout Dam Site, Jijel (Northeast Algeria)

Tekkouk Mustapha, Benzaid Riad, Martinez Juan, Yellas Chahra

- ID593: Integrated studies to elucidate the subsurface structures and groundwater, Moghra Oasis, northwestern desert (Egypt)
 Maha Abdelazeem, Sultan Arafa, Zenhom Salem.
- Maha Abdelazeem, Sultan Arafa, Zenhom Salem, Mohamed Fathy, Maha Saleh
- ID485: The way to a clearer seismic image: an integrated approach in South Tunisia Ghadames Basin

Dorsaf Kebaier, Ferid Adouani, Mohamed Mnasri, Francis Chevalier, Jozsef Orosz, Alexandre Egreteau, Noura Ayari

 ID85: Geothermal Resources Database in Saudi Arabia (GRDiSA)

Essam Aboud, Atef Qadah, Hussain Harby, Faisal Alqahtani

- ID642: Hydrogeochemical and geophysical studies on the shallow groundwater aquifer ay new Galala city, northern Galala plateau (Egypt)
 Maha Abdelazeem, Mohamed Fathy, Zenhom Salem, Mohamed Khalifa
- ID812: Halokinetic activities and structural style in the jeffara basin: Implication for Hydrocarbon Prospectivity

Asma Draoui, Benen Sarsar, Sofiene Haddad

- ID423: Pre-drill pore pressure estimation in shale gas reservoirs using seismic genetic inversion:
 Application to Barnett shale (USA)
 Sid-ali Ouadfeul, Leilar Aliouane
- ID347: Petrophysical characterization of Upper Permian reservoir in southern Tunisia
 Thamer Balti, Imen Hamdi Nasr, mohamed hedi Inoubli





ID781: The 13 August 1822 Aleppo Earthquake: Implications for the Seismic Hazard Assessment at the Antakya Triple Junction

Ryad Darawcheh, Mohamad Khir Abdul-wahed, Adnan Hasan

- ID780: Recent instrumental earthquake activity along the Damascus fault (Syria)
- Mohamad Khir Abdul-wahed
- ID654: PHYSICALLY-BASED GROUND MOTION PREDICTION AND VALIDATION: A CASE STUDY OF MID-SIZED MARMARA SEA EARTHQUAKES Aydin Mert
- ID562: Overview of recent seismic activity in Northeastern Algeria

Issam Abacha, Abdelkarim Yelles-chaouche

 ID537: Induced seismicity in Sidi Salem dam, NW Tunisia

Sinda Gaieb, Najet Shimi

 ID412: Recent Deformations of New Zealand GNSS Permanent Network caused by 2016 Mw7.8 Kaikoura Earthquake.

Bachir Gourine, Saddam Hossein Allal, Hicham Dekkiche, Kamel Hasni

 ID283: Faulting Type and b- constant value: Global perspective

Emad Al-heety, Losyan Al Esho

- ID703: Seismic hazard assessment of Al Mashair area, Makkah Al-Mukaramah (Saudi Arabia) Kamal Abdelrahman, Abdullah Al-amri, Naif Al-otaibi, Mohammad Fnais, Enayat Abdelmonem
- ID239: Active tectonics in the Guelma Basin (Eastern Algeria)

Said Maouche, Nesrine Djaroun, Chakib Harouz, Noureddine Sahi, Kamel Amri, Assia Harbi

 ID372: Active inversion tectonics from Algiers to Sicily

Alain Rabaute, Nicolas Chamot-rooke





TRACK 6.

Hydrology, hydrogeology, hydrochemistry



Track Editors/Chairs

- Helder I. Chaminé (AJGS Editor): School of Engineering -ISEP, Polytechnic of Porto, Portugal
- Maurizio Barbieri (AJGS Editor): University of Rome La Sapienza, Italy
- Ozgur Kisi (AJGS Editor): Ilila State University, Tbilisi, Georgia
- Mingjie Chen (AJGS Editor): Sultan Qaboos University, Muscat, Oman
- Broder J. Merkel (AJGS Editor): TU Bergakademie Freiberg, Freiberg, Germany



Advances in Sustainable and Environmental Hydrology, Hydrochemistry and Water Resources

Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018









 ID851: Information gain in rainfall-runoff modeling (Tunisia)

Aymen Ben Jaafar, Zoubeida Bargaoui

 ID577: Temporal variation of specific sediment yield at Sidi Bel Abbes basin (North Algeria)

Hayet Madani Cherif, Abderezzak Bouanani

 ID898: Mobility of metallic trace elements in surface waters and sediments: Case of the Nil wadi (Jijel, North-East Algeria)

Sihem Benessam, Taha-hocine Debieche, Souad Amiour, Amal Chine, Smaïl Khelili

- ID545: The importance of wetlands and unhealthy water bodies in the distribution of malaria in Spain Arturo Sousa, Leoncio García-Barrón, Mónica Aguilaralba, Mark Vetter, Julia Morales
- ID603: Effects on soil-plant system in a treated wastewater irrigated sunflower cultivation: soil chemical characteristics, bioaccumulation of metals in soil and plants

Farah Bouhamed, Zaineb Bakari, Boubaker Elleuch

 ID946: Forecasting and mass transport modelling of nitrates in the Esposende – Vila do Conde Nitrate Vulnerable Zone (Portugal)

J. Zeferino, M.R. Carvalho, T. Ferreira, M.C. Silva, M.J. Afonso, L. Freitas, A.R. Lopes, R. Jesus, S. Batista, H.I. Chaminé

- ID581: Physical and chemical characterization of the surface waters of Djemaa wadi (Blida, Algeria)
 Djaouida Bouchelouche, Siham Arab, Somia Hamil, Mouna Hafiane, Imane Saal, Abdeslem Arab
- ID385: Export balance of polybrominated diphenyl ethers at the scale of the Charmoise watershed (France)

Khawla Tlili, Pierre Labadie, Fabrice Alliot, Catherine Bourges, Annie Desportes, Marc Chevreuil

- ID477: Geochemical classification of groundwater system in a rural area of Nigeria
 Theophilus Adagunodo, Rachael Adejumo,
 Anuoluwapo Olanrewaju
- ID197: Contamination of Annaba bay (northeastern extremity of Algeria) by multi-pesticide residues
 Soumeya Khaled-khodja, Semia Cherif, Karima
 Rouibah





ID106: Hydrogeological windows impact on groundwater contamination in Moscow

Irina Galitskaya, Irina Pozdnyakova, Irina Kostikova Kostikova, Leonid Toms

 ID576: Impact of pollution on the quality of water of Oued El Harrach (Algeria)

Djaouida Bouchelouche, Somia Hamil, Siham Arab, Imane Saal, Mouna Hafiane, Abdeslem Arab

 ID232: Organic pollutants evolution and degrees of contamination of Hammam Grouz dam waters, North-East of Algeria

Badreddine Saadali, Naouel Mihoubi, Amira Ouddah, Yasmina Bouroubi

 ID791: Evaluation of the contamination from geothermal fluids upon waters and soils in Alasehir Environs, Turkey

Ali Bülbül, Tugbanur Özen Balaban, Gültekin Tarcan

 ID561: Assessment of saline water intrusion in Southwest Coastal Aquifer, Bangladesh using visual MODFLOW

M Tauhid Ur Rahman, Nafiz Ul Ahsan, Anjuman Ara, Armaan Habib

 ID409: Quality of groundwater and seawater intrusion along northern Chennai metropolitan city (India)

Sithu G D Sridhar, Muthusamy Balasubramanian

- ID419: Tracing the evolution of hypersaline coastal groundwaters in Kuwait: an integrated approach Chidambaram Sabarathinam, Harish Bhandary, Asim Al-khalid
- ID546: Use of environmental isotopes and hydrochemistry to characterize coastal aquifers in semi-arid region: Case study of Wadi Guenniche deep aquifer (NE Tunisia)

Safouan Ben Ammar, Jean-denis Taupin, Mohsen Ben Alaya, Kamel Zouari, Nicolas Patriss, Mohamed Khouatmia

- ID515: Relation between water level fluctuation and variation in fluoride concentration in groundwater: a case study from hard rock aquifer of Telangana, India Ankita Chatterjee, Arshad Md., Adrien Selles, Shakeel Ahmed
- ID340: Integrating aeromagnetic and LandsatTM 8 data for geologic features of Igbeti schist belt, Southwestern Nigeria: Implication for groundwater exploration

Nurudeen Olasunkanmi, Lukman Sunmonu, Moruffdeen Adabanija, Jimoh Ajadi, Leke Sunday





 ID83: 2D ERI for groundwater exploration in a crystalline basement terrain, Abeokuta, southwestern Nigeria

Ahzegbobor P. Aizebeokhai, Adenifesimi A. Oni, Kehinde D. Oyeyemi

 ID470: Geological-geophysical investigations for hydrological studies in a basement complex terrain, southwestern Nigeria

Kehinde D. Oyeyemi, Ahzegbobor P. Aizebeokhai, Oluseun A. Sanuade

 ID300: Geomorphological control on groundwater occurrence within the basement terrain of Keffi area, North-Central Nigeria

Ebenezer Kudamnya, Azubuike Ekwere, Aniekan Edet

 ID954: Comparison of two methods for groundwater pollution intrinsic vulnerability mapping in wadi Nil (Jijel, North-East Algeria)

Abdelmadjid Boufekane, Hakim Saibi, Omar Saighi

- ID647: Groundwater risk assessment for shallow aquifers within the Atankwidi basin of Ghana
 Maxwell Anim-Gyampo, Geoffrey Anornu, Sampson Agodzo, Emmanuel Appiah-Adjei
- ID365: Groundwater favourable infiltration zones on granitic areas (Central Portugal)

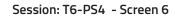
José Martins Carvalho, Maria José Afonso, José Teixeira, Liliana Freitas, Ana Rita Lopes, Rosário Jesus, Sofia Batista, Rosário Carvalho, Helder I. Chaminé

- ID202: The impact of urbanization vs. the impact of the change in climatic conditions on groundwater recharge from precipitations: case study Algier Mohamed Amine Boukhemacha
- ID950: Frequency ratio model for mapping groundwater potential zones using GIS and Remote Sensing, Medjerda watershed (Tunisia)
 Fatma Trabelsi, Saro Lee, Slaheddine Khlifi, Achouak Arfaoui
- ID246: The impact of the mobilization of water resources in semi-arid areas on sustainable development: the case of Timgad Basin, northeastern of Algeria

Ali Athamena, Mohamed Redha Menani, Fouad Djaiz, Halima Belalite

 ID109: A coupled hydrogeophysical approach to enhance groundwater resources management in developing countries

Zakari Arétouyap, Dieudonné Bisso, Philippe Njandjock Nouck, Jamal Asfahani





 ID288: Characterization and origin of some North-Eastern Algeria thermal waters

Yasmina Bouroubi-ouadfel, Abdelkader Khiari, Corinne Le Gal La Salle, Mounira Djebbar, Mahmoud Khaska

- ID620: Water quality for irrigation purposes in the middle Tafna watershed (NW, Algeria)
- Lamia Yebdri, Fatiha Hadji, Yahia Harek, Abbas Marok
- ID640: Statistical multivariate analysis assessment of dams' water quality in the North-Central Algeria Hamil Somia, Bouchelouche Djaouida, Arab Siham, Doukhandji Nassima, Smaoune Ghiles, Baha Mounia, Arab Abdeslem
- ID596: Application of water quality index for surface water quality assessment Boukourdane Dam, Algeria Siham Arab, Djaouida Bouchelouche, Somia Hamil, Abdeslam Arab

 ID738: Bio-evaluation of water quality in an Algerian dam by the application of biotic indices: case of Ghrib Dam

Hamil Somia, Arab Siham, Bouchelouche Djaouida, Baha Mounia, Arab Abdeslem

- ID806: Impact of landfill leachate organics on the behavior of heavy metals in groundwater
 Irina Galitskaya, Vera Putilina, Irina Kostikova, Tatiana Yuganova
- ID750: Farmers' adaptive strategies in face to groundwater depletion: a short-term panacea or a sustainable solution? Evidences from the Center of Tunisia

El Amami Hacib, Hermassi Taoufik, Lellia Nada



Session: T6-0S1

Room 3

 ID653: Mean rainfall variability effects on the hydrological response of Medjerda High Valley (Tunisia)

Sahar Abidi, Olfa Hajji, Boutheina Hannachi, Hamadi Habaieb

- ID673: New use of hydrograph separation method for hydrological process identification
 Asma Dahak, Hamouda Boutaghane
- ID558: Modeling processes of water and heat regime formation for agricultural region area (Russia) utilizing satellite data

Eugene Muzylev, Anatoly Zeyliger, Zoya Startseva, Elena Volkova, Eugene Vasilenko, Olga Ermolaeva

 ID532: Warm season trends of ETa: a case study of near-north Caspian Low Lands
 Olga Ermolaeva Apatoly Zayliger Eugine Muziley

Olga Ermolaeva, Anatoly Zeyliger, Eugine Muzilev, Zoya Startseva

 ID102: Development of frequency specific flow maps on the Sebaou watershed in Great Kabylia in Algeria

Hocine Hammoum, Karima Bouzelha, Mohammed Djemai, Malik Bouzelha, Mouloud Touat

- ID528: A transient drainage equation by incorporating the variable drainable porosity function and the unsaturated zone flow contribution
 Ammar Yousfi, Mohammed Mechergui
- ID355: Study of solid transport in suspension in a semi-arid catchment: case of Boukadir wadi, Tipaza, Algeria

Omar Elahcene, Imad Eddine Bouznad, Mohamed Yacine Bendjedou, Zohir Boulkenafet

- ID493: Snowmelt runoff simulation during early 21st century using hydrological modelling in the snow-fed terrain of Gilgit river basin (Pakistan)
 Yasir Latif, Yaoming Ma, Muhammad Sher, Weiqiang Ma, Muhammad Yaseen
- ID606: Assessment impacts of irrigation using treated wastewater on plants growth, soil properties and metals accumulation in soil and tomato plants
 Zaineb Bakari, Farah Bouhamed, Nesrine Boujelben, Boubaker Elleuch

Session: T6-OS2

Room 2



 ID327: Hydrochemical quality of the Angads plain groundwater (Eastern Morocco)

Es-sousy Mohammed, Gharibi Elkhadir, Ghalit Mohammad, Taupin Jean-denis, Ben Alaya Mohsen

- ID458: Hydrochemical appraisal of groundwater in Gash River Basin, Eastern Sudan Hago Ali
- ID390: Distribution of trace elements in the shallow aquifer of Guenniche (North Tunisia)

Nizar Troudi, Fadoua Hamzaoui, Mounira Zammouri, Ourania Tzoraki

 ID813: Impact of reclaimed wastewater used for irrigation in the agricultural supply chain
 Zainah Bakari, Nosrina Bayialban, Nosrina Turki

Zaineb Bakari, Nesrine Boujelben, Nesrine Turki, Massimo Del Bubba, Boubaker Elleuch

 ID78: Geochemical and isotopic marks for tracing groundwater salinization: Santiago Island, Republic of Cape Verde, case study

Paula Carreira, António Lobo De Pina, Alberto Mota Gomes, José Marques, Fernando Monteiro Santos ID600: Application of geochemical tracers and isotopic for investigation of recharge and salinization of water in the Menzel Bourguiba aquifer, northeast of Tunisia

Mohsen Ben Alaya, Safouan Ben Ammar, Jeandenis Taupin, Mohamed Khouatmia, Raouf Jbeali, Fetheddine Melki

 ID452: Contribution of hydrochemical and geoelectrical (ERT and VES) approaches to investigate salinization process of phreatic aquifer and climate change adaptation strategy in arid area: Example of Garaat Douza and its proximities (Mediterranean Basin)

Elhem Moussaoui, Abdelkader Mhamdi, Mouez Gouasmia, Ferid Dhahri, Mohamed Soussi



Session: T6-OS3

Room 2

 ID338: Relationship between hydrochemical variation and the seawater intrusion within coastal alluvial aquifer of Essaouira basin (Morocco) using HFF-Diagram

Mohammed Bahir, Salah Ouhamdouch, Paulà Maria Carreira, Kamel Zouari

- ID672: Multi-isotope approach to study the problem of salinity in the coastal aquifer of Oued Laya, Tunisia Mohamed Fethi Ben Hamouda, Paula Carreira, Jose Marques, Hans Eggenkamp
- ID84: Chlorine geochemical and isotopic (37CI/35CI) signatures of CO2-rich mineral waters (N-Portugal), revisited

José Marques, Hans Eggenkamp, Paula Carreira, Manuel Antunes da Silva ID301: Cesium and Uranium Radioisotopes monitoring in Kuwait

Aishah Alboloushi, Abdulaziz Aba, Omar Alboloushi

 ID892: Radar probing of subsurface moisture in barchan dunes

Giovanni Scabbia, Essam Heggy, Abotalib Abotalib

 ID707: Hydraulic parameters estimation using 2D resistivity technique: a case study (Kapas Island Malaysia)

Nura Umar Kura, Mohammad Firuz Ramli, Ahmad Zahrin Aris, Wan Nor Azmin Sulaiman



Session: T6-0S4

Room 2

 ID661: Numerical simulation of groundwater and surface water interaction and particle tracking movement due to the effect of pumping abstraction of Lower Muda River

Mohd Khairul Nizar Shamsuddin, Wan Nor Azmin Sulaiman, Mohammad Firuz Ramli, Faradiella Mohd Kusin, Anuar Sefie

 ID450: Role of kaolinisation in the khondalitic aquifers of eastern Ghats (India)

Venkateswara rao Bekkam

- ID553: Assessment of vulnerability and risk mapping at Marsaba – Feshcha Catchment Jawad Shoqeir
- ID313: Statistical analysis of groundwater level variation in semi-arid Upper Godavari Basin
 Pallavi Kulkarni, Sudhakar Pardeshi, Suchitra Pardeshi

 ID552: Hydrological impacts of climate change in Northern Tunisia

Hamouda Dakhlaoui, Jan Seibert, Kristi Hakala

 ID342: Climate change impact on future flows in semi-arid environment, case of Essaouira basin (Morocco)

Salah Ouhamdouch, Mohammed Bahir, Paulà Maria Carreira, Kamel Zouari

 ID495: Climate change effects on groundwater recharge in some sub-saharian areas

Maurizio Barbieri, Stefania Vitale, Giuseppe Sappa

 ID364: Assessment of groundwater potential in the Upper Tigris-Diyarbakir/Turkey Plain Recep Celik



Session: T6-OS5

Room 2

- ID756: Assessment of Harran Basin's groundwater potential and hydrogeological properties
 Veysel Aslan, Recep Celik
- ID158: Evaluation of the potential for artificial groundwater recharge of crystalline rocks aquifer, Nuba Mountains (Sudan)

Dafalla Wadi, Wenbing Wu, Abuzar Fuad

 ID831: Water balance estimation under wildfire and restoration scenarios in semiarid areas: effects on aquifer recharge

Hassane Moutahir, Juan Bellot, Aymen Moghli, Issam Touhami

- ID698: Groundwater mounding in fractured fossil aquifers in the Saharan-Arabian Desert Abotalib Abotalib, Essam Heggy
- ID766: Water footprint and governance assessment for sustainable water resource management in drought-prone Barind Area, NW Bangladesh
 Md. Razzaqul Islam, Chowdhury Sarwar Jahan,
 Quamrul Hasan Mazumder, Md. Suman Miah, Md.

 ID236: Assessment of urban green infrastructure priority using flood modeling and remote sensing (Alexandria, Egypt)

Mona Ibrahim, Bahaa Elboushy, Wael Mahmoud

 ID205: Urbanization growth effect on hydrological parameters in megacities case study: 5th settlement Cairo-Egypt

Ahmed Helmi, Ahmed Mahrous, Ashraf El Mustafa

 ID119: Reduction in the Storage Capacity of Dokan Dam Reservoir

Rebwar Hasan, Ammar Ali, Anwer Hazim, Nadhir Alansari, Sven Knutsson

 ID758: Using chance constrained programming approach for optimal crops selection and economic profitability of irrigation under hydrological risk: the case study of small dams in Tunisia

El Amami Hacib, Kompany Jean Robert, Hermassi Taoufik, Lellia Nada

Ferozur Rahaman





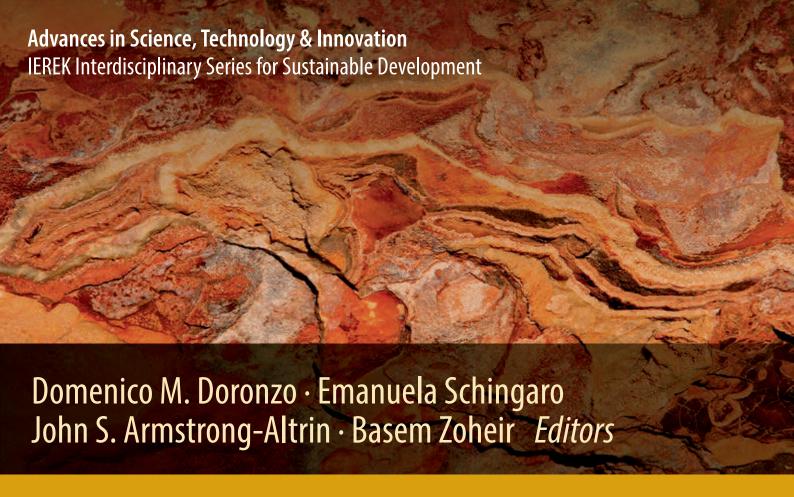
TRACK 7.

Mineralogy, geochemistry, petrology and volcanology



Track Editors/Chairs

- Domenico Doronzo (AJGS Editor): Consejo Superior de Investigaciones Cientificas, Spain
- Emanuela Schingaro (AJGS Editor): Università degli Studi di Bari Aldo Moro - UniBa, Italy
- John S. Armstrong-Altrin (AJGS Editor): The National Autonomous University of Mexico, Mexico
- Basem Zoheir (Guest Editor): Benha University, Egypt & University of Kiel, Germany



Petrogenesis and Exploration of the Earth's Interior

Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018









 ID86: Petrology, geochemistry and petrogenesis of the Sidi El Hemissi Triassic 'ophites' (Souk Ahras, NE Algeria)

Rabah Laouar, Halima Saadia Zanouda, Sihem Salmilaouar, Amar Sebai, Crystèle Verati, Salah Bouhlel, Adrian J. Boyce

 ID456: New model of wadati-benioff zone in Java-Sumatra subduction system and its tectonic implication

Mirzam Abdurrachman, Sri Widiyantoro, Muhammad Zaky Abdul Alim

 ID733: The South West Atakor volcanic district (Hoggar): Petrography and mineralogy from the Taessa lavas

Amel-zoulikha Benhallou, Yasmine Megueni, Faouzi Boussisse, Faiza Ikhlef-debabha, Youcef Babkar, Zakaria Boukhalfa, Khaled Aghanbilou, Abla Azzounisekkal, Jean-marie Dautria, Jean-louis Bodinier

 ID734: Primary studies of Taessa-Torak granitic massif: petrography and mineralogy (Central Hoggar, Algeria)

Faiza Ikhlef-debabha, Abla Azzouni-sekkal, Amel-zoulikha Benhallou, Delphine Bosch, Carlos J. Garrido

- ID64: Petrographical and geochemical characteristics of the birbirites from the Mauritanides Belts
 Didi Ould Moctar, Ali Moukadiri, Abdellah Boushaba,
 Sid'ahmed Mohamed Lemine, Michel Dubois
- ID490: The first example of kyanit-staurolitegarnet-bearing metapelites from the Hoggar (Egere terrane, South Algeria)

Amar Arab, Khadidja Ouzegane, Abderrahmane Bendaoud, Sidali Doukkari, Gaston Godard

- ID526: Petrographic, Mineralogical and Geothermometric Study Of Garnet Hornfels From The Region Of Iddeleh Silet Hoggar Occidental Algeria Khedoudja Nedjraoui, Abla Azzouni-sekkal, Rekia Kheloui, Mohamed Hamoudi, Riad Ben El Khaznadji
- ID957: Physical characteristics of the massive meteorite of Saudi empty quarter
 V Masilamani, Nasser alarif, W Aslam Farooq, M. Atif, Shahid Ramay, Hayat Saeed Althobaiti, Saqib Anwar, Ibrahim elkhedr, MS AlSalhi, Bassam A. Abuamarah
- ID958: Study of the compositional, mechanical and magnetic properties of Saudi meteorite
 M. Atif, Saqib Anwar, W. A. Farooq, M. Ali, V. .
 Masilaimani, M. S. AlSalhi, Bassam A. Abuamarah
- ID269: Microfacies analysis and geochemical evaluation of Campanian-Maestrichtian Limestone along the Benin Flank, southwestern Nigeria Oladotun Oluwajana, Olugbenga Ehinola, Collins Ofiwe, Evidence Akhayere, Kehinde Egunjobi, Joseph Asanbe, Oluwafemi Akinjo
- ID208: Distribution of major and trace elements in soil and sediments along Nile River and Delta – (Egypt): A case study

Wael Badawy, Octavian Duliu, Marina Frontasyeva, Hussien El-samman

 ID574: Enigma of ferruginous inclusions in evaporites

Rail Kadyrov, Mikhail Glukhov, Evgeny Statsenko, Bulat Galiullin





 ID311: Trace metal concentrations in Surface water in Ichkeul lake basin: A case study

Nesrine Ouchir, Lassaâd Ben Aissa, Mabrouk Boughdiri

 ID704: Mineralogical and Geochemical Characterization of the Northern Phosphatic Series of the Sra Ouertane Basin (Tunisia)

Naima Ahmadi, Ali Enneili, Mongi Felhi, Ali Tlili, Khaoula Kaissi, Fathi Ben Mabrouk

 ID585: Mineralogical characterization and mapping of upper lutetian-Preabonian successions, Tamerza area southwestern, Tunisia

Samiha Euchi, Mongi Felhi, Nabil Fattah, Ali Tlili

 ID635: Geochemistry of urban soil in the fast growing city of Kuito (Angola)

Maria Manuela Silva, Marina Cabral-Pinto, Pedro Alexandre Dinis, Lucas Mandavela

 ID519: What factors determine the geometries of fault-associated dolomitization geometries in shallow-marine carbonates?

Shuqing Yao, Enrique Gomez-rivas, Juan Diego Martínmartín, David Gomez-gras, Anna Travé, Albert Griera, John Howell

 ID551: Fracture-related dolomitization affecting late Jurassic – lowermost Cretaceous syn-rift deposits (Maestrat basin, southern Iberian Chain, eastern Spain)

Anna Travé, Judit Nadal, Elisabet Playà, Ramon Salas, Juan Diego Martín-martín, Enrique Gomez-rivas ID819: First report of Cryptomelane in altered rhyolite from Tazrouk volcanic district, Latea, Hoggar, Algeria

Riad Ben El Khaznadji, Abderrahmane Bendaoud, Abderraouf Seffari

 ID224: Fluid inclusions, solid-solid transitions in salt, ceramics and minerals to calibrate the microthermometric stage

Mouna El Mekki-azouzi, Claire Ramboz

ID286: Palygorskite versus tetra (N-methylpyridyl)
 porphyrin: characterization and interaction
 Amira Lajmi, Emmanuel Joussein, Stéphanie LeroyIhez, Marilyne Soubrand, Valentin Robin, Mounir
 Medhioub

 ID371: Mg-exchanged montmorillonite undergoing external environmental solicitation: crystalline swelling process investigation

Marwa Ammar, Walid Oueslati, Abdesslem Ben Haj Amara

 ID376: Potassium fixation in beidellite by wetting and drying

Hachemi Zaidi, Abdellah Bakhti, Mohamed Larid

 ID382: Geochemistry of hydrothermal chlorite in OB48 borehole (Nefza, northern Tunisia)
 Randa Ben Abdallah Jean Marc Baele Mounir

Randa Ben Abdallah, Jean Marc Baele, Mounir Medhioub





- ID497: Elaboration of ceramic ultrafiltration membrane from natural Tunisian clay and application to the treatment of textile effluents
- Saida Bousbih, Emna Errais, Raja Ben Amar, Joelle Duplay, Malika Trabelsi-ayadi, Fadila Darragi
- ID505: Characterization at high temperature of the porcelanite mineral phases from the Gafsa-Metlaoui basin and valuation in the ceramic domain

Rahma Bourawi, Ali Tlili, Jalila Essid, Raja Saidi, Nabil Fattah

- ID610: Mineralogy and geochemistry of supergene alteration of Neogene hawaiites of Moktaa el Hadid (Nefza northern Tunisia)
- Sonia LAZAAR, Randa BEN ABDALLAH, Mounir MEDHIOUB, Marilyne SOUBRAND, Emmanuel JOUSSEIN
- ID930: Structural properties of phosphate washing waste based geopolymeric mortars

Rawia Dabbebi, José Barroso De Aguiar, Samir Baklouti

- ID209: Montagut Fault System: Geometry and Fluid Flow Analysis (southern Pyrenees, Spain)
 Luis Fernando Martinez Casas, Anna Travé, David Cruset, Daniel Muñoz Lopez
- ID504: Biogenic methane production from various coal rank and its controlling factors using ruminant waste as a source of microorganisms consortium Ahmad Helman, Ellin Harlia, Winantris Sanusi

- ID681: Sn-W mineralization associated with the Djilouet complex, eastern Hoggar (Algeria)
 Fatiha Oulebsir, Mokrane Kesraoui, Dalila Nemmour-Zekiri
- ID302: Mineralogic data and geochemical characteristics of Berrahal Banded Iron Formations. (Edough massif NE of Algeria)

Bachir Henni

 ID543: Geology, petrography, and mineral chemistry of the Zn Pb-Cu-sulfide deposits of Filfila massif (East Algeria)

Touati Lyes, Kolli Omar, Boutaleb Abdelhak

- ID599: Reef Cenomanian carbonate hosted fluorite ore deposits at Jebel Mokta, Northeastern Tunisia
 Bejaoui Jaloul
- ID243: Mineralogical and sulfur isotope studies of Ghar Roubane barite lead–zinc deposit, (Western Algeria)

Nacéra Hadj Mohamed, Abdelhak Boutaleb, Maria Boni, Djamel Eddine Aissa

Session: T7-OS1

Room 4



 ID175: Geochemical and Geophysical Evolution of Regional Mantle Flow Beneath Volcanic Harrats in Western Arabian Shield

Abdullah Alamri, Robert Duncan, Adam Kent, Fouzan Alfouzan

- ID176: Geothermal and Volcanic Evaluation of Harrat Rahat, Northwestern Arabian Peninsula
- Abdullah Al-amri, Robert Mellors, David Harris, Vector Camp, Kamal Abdelrahman
- ID455: Tracing the missing Argoland beneath Java: evidence from geochemical signature and seismic tomogram

Mirzam Abdurrachman, Sri Widiyantoro, Asep Saepuloh, Idham Andri Kurniawan

 ID220: Rb-Sr and Oxygen Isotope Study of the Swat Granite Gneisses (Pakistan): Implications for the Magmatic Source and Tectonic Setup

Tahseenullah Khan, Abid Ahmad, Hafiz Ur Rehman, Muhammad Nawaz Chaudhry, Mamoru Murata, Muhammad Zafar

- ID156: Petrography, origin and geochemical characters of granitoids of the southern part of the Nellore Schist Belt, Andhra Pradesh, India Sumit Kumar Mitra, Tushar Meshram
- ID481: Petrography, mineralogy and thermodynamic modeling of eclogites from the Serkout area, Central Hoggar, Algeria

Sidali Doukkari, Gaston Godard, Khadidja Ouzegane, Amar Arab, Abderrahmane Bendaoud

 ID164: Heavy metal Concentration of sediments from the Eastern Niger Delta Basin, South-Eastern Nigeria

Azubuike Ekwere



Session: T7-OS2

Room 4

 ID303: Grain size distribution and enrichment evaluation of trace metals in Mediterranean harbor lagoon (Kalaât Andaous, Tunisa)

Samia Khsiba, Oula Amrouni, Chrystelle Banconmontigny, Karim Ben Mustapha, Lasaad Chouba, Nadia Gaaloul, Gil Mahé

 ID885: Geochemistry and Mineralogy of the Miocene and Plio-cene sediments of the Northern Margin of the lower Chelif Basin (Western Tellian Domain, North Algeria)

Fatiha Hadji, Abbas Marok, Ali Mokhtar Samet

 ID431: Stable isotope geochemistry of the Pleistocene lacustrine-palustrine carbonates (Borj Edouane unit, NW Tunisia)

Naoufel Ghannem, Clemente Recio, Ildefonso Armenteros, Kamel Regaya

- ID443: Geochemistry and mineralogy of depositional sequences (Paleocene-Eocene) in Oued Thelja stratigraphic framework, SW Gafsa, Tunisia
 Ali Enneili, Amel Hadj Ahmed, Mongi Felhi, Kamel Zayani, Nabil Fattah, Ali Tlili
- ID699: Phosphorus Speciation and Trace Metals in Core Sediment of Kuwait Bay

Eqbal Al-enezi, Fatema Al-shammari

 ID8: Mineralogical and chemical comparison of carbonate from sites selected for artisanal cement production with limestone used in commercial operations

Freeman E. D. Senzani, Antoine F. Mulaba-bafubiandi

Session: T7-OS3

Room 4



 ID368: Stratigraphic and mineralogical study of Chouabine formation in Meknassy basin (Central Tunisia)

Sinda Sassi, Karima Horchani-naifer, Nabil Fattah, Mokhtar Ferid

- ID112: Mineralogy recognition from in situ elemental concentration log data using factor analysis
 Ahmed Amara KONATE, Heping PAN, Nasir KHAN, Oumar KEITA, Mamady CISSE, Mory KOUROUMA, Daouda KEITA
- ID192: From rock-buffered to open fluid system during emplacement of the Lower Pedraforca thrust sheet (South Pyrenees)

David Cruset, Jaume Vergés, Irene Cantarero, Anna Travé

 ID159: Evolution of the fluid system during the formation of the fault-related Bóixols anticline (Southern Pyrenees)

Nicholas Nardini, Daniel Muñoz-lópez, David Cruset, Irene Cantarero, Juan Diego Martín-martín, Anna Trave ID517: Controls on convective fluid flow systems that result in the formation of massive diagenetic alterations

Enrique Gomez-rivas, Juan Diego Martín-martín, Paul D. Bons, Albert Griera, Shuqing Yao, Maria-gema Llorens, Anna Travé

- ID124: The Mineral Exploration of the Iron Ores in the Eastern Aswan, by using Geophysical Techniques Mahmoud Mekkawi, Sultan Arafa, Ayman Ismail, Mohamed Abbas
- ID501: Gold metallogeny of the South Eastern Desert, Egypt

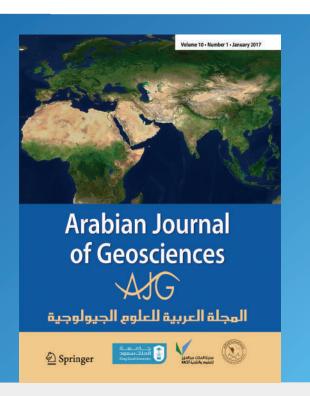
Basem Zoheir, Ashraf Emam, Nehal Soliman, Astrid Holzheid

 ID402: The use of rare earth elements patterns in the exploration for massive sulphide ores, Ariab area, Red Sea Hills (NE Sudan)

Samia Ibrahim, Elshiek Mohammed, Murad Ali



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TRACK 8.

Petroleum engineering and petroleum geochemistry



Track Editors/Chairs

- Santanu Banerjee (AJGS Editor): Indian Institute of Technology Bombay, Mumbai, India
- Reza Barati (AJGS Editor): The University of Kansas, Lawrence, KS, USA
- Shirish Patil (Guest Editor): Saudi Aramco and King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia



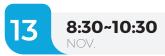
Advances in Petroleum Engineering and Petroleum Geochemistry

Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018





7 8·30~10·30



Room 3

Session: T8-0S1

 ID627: A Fast and Less Expensive Test to Determine Permeability Related Parameters on Well's Drilled Cuttings

Marco Ludovico-marques

 ID104: Development of An Empirical Model for Predicting the Cation Exchange Capacity of Shaly Sandstones Using Complex Dielectric Permittivity Measurements

Ali Garrouch

 ID306: Effect of rising reservoir temperature on production of high-viscosity oil

Vladimir Astafev, Valeria Olkhovskaya, Sergey Gubanov ID438: Effect of CO2-Oil Contact time to Swelling Factor and Viscosity of Paraffinic Oil at Reservoir Temperature

Muslim Abdurrahman, Asep K Permadi, Wisup Bae, Shabrina Sri Riswati, Rochvi Agus Dewantoro, Ivan Efriza, Adi Novriansyah

- ID139: Nanoparticle-stabilized CO2 foam flooding Feng Guo, Saman Aryana
- ID140: Foam flooding in a heterogeneous porous medium

Feng Guo, Saman Aryana



Session: T8-OS2

Room 3

- ID141: A microfluidic study of immiscible drainage two-phase flow regimes in porous media
 Feng Guo, Saman Aryana
- ID136: Creation of saturation maps from two-phase flow experiments in microfluidic devices
 Yuhang Wang, Saman Aryana
- ID137: Nonequilibrium effects in immiscible twophase flow

Yuhang Wang, Saman Aryana

ID322: Gravity changes, earthquakes and oil field(Italy)

Valentino Straser, Mario Campion

 ID902: Significance of Microbial Anomalies in Identifying the Hydrocarbon Prospects in Parts of Petroliferous Region [Tunisia].

Mohamed Seddik Mahmoud Bougi, Jawhar Gharbi, Syrine Baklouti, Mohamed Abdul Rasheed, P. Lakshmi Sirinivas Rao, Sayed Zaheer Hasan, Mohamed Ksibi



Session: T8-OS3

Room 3

 ID579: Conductivity and temperature corrections in the Djeffara Basin (Tunisia): Impact of the basin heat flow reconstructions

Insaf Mraidi, Amina Mabrouk El Asmi, Ahmed Skanji

- ID680: Fault-controlled on Hydrocarbon Migration and Accumulation of Baodao Northern Slope in the Qiongdongnan Basin, South China Sea Xinshun Zhang, Hongju Zheng, Congsheng Bian
- ID880: Visual kerogen typing: A case study of the northern Song Hong basin (Vietnam)
 Quan Vo Thi Hai, Giao Pham Huy
- ID295: Characterization of potential source rock intervals of Late Mesozoic to Cenozoic age in the on- and offshore area of Cyprus and their impact on petroleum systems in the Eastern Mediterranean Sea Sebastian Grohmann, Maria Fernanda Romerosarmiento, Fadi Henri Nader, Francois Baudin, Ralf Littke

- ID206: Source rocks and hydrocarbon accumulation characteristics of Upper Cretaceous to Paleogene in the northern KaikangTrough, Muglad Basin, Sudan Congsheng Bian, Youliang Feng, Jun Li, Xuexian Zhou, Yongxin Li, Xinshun Zhang
- ID619: Organic Source Input, Thermal Maturity and Paleodepositional Conditions of Imo Formation in the Anambra Basin, Nigeria

Mutiu Adeleye, Damilola Daramola

 ID271: Determination of deliverability equation and IPR for Siba gas condensate reservoir in (Iraq) – case study

Ghazwan Jreou



ID222: Back propagation and hidden weight optimization algorithms neural network for permeability estimation from well-logs data in shaly sandstone petroleum reservoirs: Application to Algerian Sahara

Leila Aliouane, Sid-ali Ouadfeul, Amar Boudella

 ID823: Experimental Relationship Between Confining Pressure, Fluid Flowrates, Flow Time Period And Temperature On Effective Permeability To Water In High Porous Sandstone

Thomas Adebayo, Marie Loridon

 ID421: Synergetic Effect of SLS Surfactant of Bagasse to Enhanced Oil Recovery
 Rini Setiati, Septoratno Siregar, Taufan
 Marhaendrajana, Deana Wahyuningrum

- ID432: Analyses and treatment of oil field formation
 Water of upper Assam basin (India)
 Tapan Jyoti Gogoi, Subrata Borgohain Gogoi
- ID252: Ech Cheid salt structure and its influence on the maturity of the Bahloul Fr source rock

Mohamed Malek Khenissi, Mohamed Montassar Ben Slama, Amina Mabrouk El Asmi, Anis Mohamed Bel Hadj, Moncef Saidi Session: T8-PS1 - Screen 1

Congress Area

 ID508: Geochemical characterization of the Permian series and associated oil indices in the Jeffara area: origin of hydrocrabon and 1D thermal maturity modeling

Khawla Ouirghi, Amina Mabrouk, Anis Bel Haj Mohamed, Moncef Saidi

- ID580: Geopetroleum evaluation of the Ordovician and Triassic reservoirs in the southern part of Chotts area (southern Tunisia) and maturity modeling
 Safa Kraouia, Amina Mabrouk El Asmi, Abdelhamid
 Ben Salem, Moncef Saidi
- ID952: Hydrocarbon source rocks within the western flank of the South Caspian basin (Azerbaijan): geochemical study and petroleum system modeling Shalala Huseynova
- ID223: Biodegradation of hopanes, regular steranes and tricyclic terpanes in heavy oils from Carboniferous volcanic reservoir of the Chepaizi Uplift, Junggar Basin, NW China

Yang Li, Jinliang Zhang





TRACK 9.

Sedimentology, stratigraphy, paleontology, geomorphology, pedology



Track Editors/Chairs

- Mabrouk Boughdiri (AJGS Editor): University of Carthage, Amilcar, Tunisia
- Beatriz Bádenas (AJGS Editor): University of Zaragoza, Zaragoza, Spain
- Paul Selden (AJGS Editor): University of Kansas, Lawrence, Kansas. USA
- Etienne Jaillard (Guest Editor): Université Grenoble Alpes, France
- Peter Bengtson (AJGS Editor): Universität Heidelberg, Heidelberg, Germany
- Bruno R.C. Granier (AJGS Editor): Université de Bretagne Occidentale, Brest, France



Paleobiodiversity and Tectono-Sedimentary Records in the Mediterranean Tethys and Related Eastern Areas

Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018





Session: T9-PS1 - Screen 1

Congress Area



 ID188: Cladistic approach for phylogenetic reconstruction testing the subfamily Reineckiinae (Saida, western Algeria)

Fatiha Douas Bengoudira, Abdia Touahria, Abbes Sebane

 ID130: First titanosauriform teeth from the Early Cretaceous of Tunisia

Jihed Dridi

- ID820: Bajocian ostracods from the Krachoua Formation (Beni kheddache, southern Tunisia): implications for biostratigraphy and paleoecology Lassad Tiss, Khaled Trabelsi, Fekri Kamoun
- ID442: Paleobathymetric influence on the distribution of ammonite and foraminifer settlements in the Callovian of the Saïda region (western Algeria)

Abdia Touahria, Abbes Sebane

- ID845: Tethyan non-rudist associations from the Cretaceous rudist formations in northern Egypt Yasser Salama, Gouda Abdel-gawad
- ID608: New biostratigraphic scheme for the Cenomanian-Turonian of southern Algeria Adaci Mohammed, Benyoucef Madani
- ID657: Ostracods of the Cenomanian-Turonian transition (Whiteinella archaeocretacea Zone) in the Ksour and Amour mountains (Saharan Atlas, Algeria): biogeographic implications

Mustapha Benadla, Abbas Marok, Matias Reolid

 ID684: Cenomanian foraminiferal biostratigraphy of the Aures Basin, northeastern Algeria

Aida Bensekhria, Ramdane Marmi, Abdelouahab Yahiaoui

 ID692: Integrated biostratigraphy of the Cenomanian-Turonian transition in the Kasserine area, central Tunisia: Implications from the Khanguet Esslougui section

Zaineb Elamri, Sherif Farouk, Dhoha Alouani

 ID451: Planktonic foraminiferal evidence of Upper Cretaceous in the "A" well (Gulf of Hammamet area, northeastern offshore Tunisia)

Ezzedine Saïdi, Dalila Zaghbib-turki

 ID949: The Tortonian—Messinian transition in the Saïs Basin, South Rifian Corridor (Morocco): biostratigraphical and paleoenvironmental implications

Soukaina Targhi, Nadia Barhoun, Naima Bachiri taoufiq, Mohamed Achab, Abdallah Ait salem

- ID483: Stromatolitic origin of laminar crusts in palustrine environments (Pleistocene of Borj Edouana unit, northwestern Tunisia)
 Ildefonso Armenteros, Naoufel Ghannem, Kamel Regaya
- ID662: Dolomitization in the deltaic system of the Meloussi Formation (upper Berriasian-Valanginian) in Jebel Meloussi (central Tunisia)
 Najwa Khlifi, Jamel Touir, Anna Travé
- ID116: Factors controlling oncoid distribution in the inner areas of a late Kimmeridgian carbonate ramp (northeastern Spain)

Cristina Sequero, Beatriz Bádenas, Marcos Aurell

- ID387: Early Cretaceous oceanic anoxic events in a rudist-bearing succession, northern Egypt Yasser Salama, Gouda Abdel-gawad
- ID900: Sedimentology and petrophysics of Turonian-Coniacian rudist-rich reservoir rocks, offshore Tunisia Senda Boughalmi, Mohamed Hédi Negra, Yves Géraud, Sonia Ben Alaya, Danièle Grosheny
- ID810: Depositional facies, diagenesis and sequence stratigraphy of the Cherahil Formation (middle-upper Eocene) in central Tunisia

Zahra Njahi Derbali, Jamel Touir

 ID273: Sequence stratigraphic analysis of the middle Paleocene-middle Eocene in the Sulaimani District (Kurdistan Region), northern Iraq

Fadhil Ameen, Fawzi Mardan





 ID521: Palynological study of the Pliensbachian-Toarcian transition of the Traras Mountains (northwestern Algeria)

Louisa Samar, Abbas Marok, Choukri Soulimane

- ID568: Foraminiferal and geochemical input to the OAE 2 event at Jebel Bou Arif (Aures, eastern Algeria)
 Abdia Touahria, Abdelmoumen Garah, Abbes Sebane,
 Fatiha Hadji
- ID19: Carbonate microfacies and carbonatogenesis of the Abiod Formation (Campanian–Maastrichtian) in Jebel Kebar (central Tunisia) Manel Zidi, Jamel Touir, Frédéric Boulvain, Abderrazak El Albani
- ID933: Paleoseismological indices recognized in the Great Kabylia region (Algeria)
 Nadia Sidi Said, Azzeddine Benhamouche, Sahra Aourari, Djamel Machane, Sid Ali Kechid
- ID897: The main Late Cretaceous tectonic episodes controlling the deposition of rudist-rich platform carbonates in central Tunisia
 Jalel Jaballah, Mohamed Hedi Negra
- ID822: Stratigraphic differentiation of the Zagros foreland basin sequence, Kurdistan Region, (northern Iraq); impacts on oil accumulations
 Basim Al-Qayim
- ID154: Lower to middle Miocene deposits of northeastern Tunisia: implied facies evolution and tectonic-sedimentary control

Nadia Gaaloul, Wissal Ghazzay, Saloua Razgallah

ID848: Thermodynamic consideration on volcanic landforms

Naoto Kaneko, Hiroyuki Nagahama

 ID204: Quantitative study of the geomorphic evolution of Shilin County, Yunnan Province, China, based on classic theory and method

Yuhui Li, Zhiqiang Ding

 ID374: Boron characterization and distribution in particle-size fractions separated from a semi-arid Tunisian soil

Ahlem Tlili, Imene Dridi, Rafla Attaya, Moncef Gueddari

 ID928: Study of ammonium adsorption on clay soil (Siliana, northern Tunisia)

Allani Manel, Hatira Abdessatar, Ibrahim Hatem

 ID623: Assessing heavy-metal distribution and contamination of soil in the Ogere trailer terminal, Ogun State, southwestern Nigeria

Olutoyin Fashae, Adeyemi Olusola, Paulina Orekan

 ID852: Soil salinity dynamic and water quality in a Ramsar saline inland wetland: case study - Bazer-Sakra Sabkha, Setif (northeastern Algeria)
 Yacine louadj, Ahcéne Semar, Salah Belghemmaz,

Yacine Iouadj, Ancene Semar, Salan Belgnemma Nasser-eddine Soualili, Nazim Soualili

 ID414: Classification and prediction of channel morphology within selected third-order basins (southwestern Nigeria)

Adeyemi Olusola, Olutoyin Fashae, Adetoye Faniran

 ID769: Pool and riffle sequences and morphology of the lower Alaknanda River in the Srinagar Valley (Garhwal Lesser Himalaya), India

Sapna Semwal, D. D. Chauniyal

- ID268: Quaternary fluviatile terraces of the Oued El Gourzi (Batna, northeastern Algeria): sedimentology and characteristics of the depositional environment Djaiz Fouad, Defaflia Nabil, Lamouri Bachir, Boushaba Abdellah, Chairat Imen
- ID554: Recent geochemical and grain-size distribution of terrestrial sediments in the coastal area of the watershed of the Medjerda River, Gulf of Tunis

Thouraya Benmoussa, Oula Amrouni, Laurent Dezileau, Gil Mahe, Domenico C Hiarella, Saâdi Abdeljaouad

Session: T9-0S1

Session: T9-OS2

Room 1



ID666: Similarity analysis of ostracod faunas in western Algeria

Choukri Soulimane, Abbas Marok, Matias Reolid

 ID444: Description of a new genus of Radiolitidae (Bivalvia, Hippuritida) with canals in the calcitic shell layer

Valentin Rineau, Loïc Villier

 ID66: Similarities and differences of Orbitoides and Omphalocyclus microspheric forms with selected examples from northern Iraq and Turkey and their new morphometric data

Muhittin Görmüs, Qahtan Ahmed Al Nuaimy, Engin Meric

 ID240: Middle Miocene Giraffokeryx (Giraffidae) with marks of enamel hypoplasia from Dhok Bun Amir Khatoon, Punjab, Pakistan

Muhammad Akbar Khan, Muhammad Asim

- ID609: Dental morphology and palaeoecological implications of Brachypotherium (Rhinocerotidae) of the middle Miocene Siwaliks (Pakistan)
 Amtur Rafeh, Abdul majid Khan, Rana manzoor
 Ahmad. Muhammad Akhtar
- ID503: Systematic study of the new remains of Propotamochoerus hysundricus (Suidae, Mammalia) from the late Miocene-early Pliocene Middle Siwaliks (Pakistan)

Sadaf Aslam, Abdul majid Khan, Rana manzoor Ahmad, Ayesha Iqbal, Muhammad Akhtar

 ID499: Systematics and palaeo-environmental implications of Hexaprotodon sivalensis (Hippopotamidae, Mammalia) from the Plio-Pleistocene Upper Siwaliks (Pakistan) Ayesha Igbal, Abdul majid Khan, Rana manzoor

Ayesna Iqpai, Abdui majid Khan, Kana manzoor Ahmad, Muhammad akbar Khan, Muhammad Akhtar



 ID841: First calpionellid biozonation of the Berriasian reference section of J. Ben Younes (Gafsa Basin, south-central Tunisia): updated age attribution and geodynamic consequences

Rafika Ferchichi, Ichrak Cherif, Mabrouk Boughdiri, Sana Ben Nsir, Néjib Bahrouni, Mohamed Faouzi Zagrarni

- ID844: Berriasian ammonite and calpionellid associations from the North-South Range of central Tunisia: updated biozonation, regional geodynamic context and paleobiogeography
- Sana Ben Nsir, Mabrouk Boughdiri, Ichrak Cherif, Nejib Bahrouni, Rafika Ferchichi, Asma Zrelli
- ID394: Early Pliocene gastropods of the southern Pacific coast of Mexico: taxonomy and paleogeography

Catalina Gomez-espinosa, Claudia Ortíz-jerónimo, Luis Antonio Flores de Dios, Oscar Talavera-Mendoza ID367: Gravel bed river scouring analysis downstream of block ramps

Karol Plesinski, Artur Radecki-pawlik

 ID882: Diagenesis and reservoir quality of glaciolacustrine sandstones: example from the Upper Carboniferous-Lower Permian Al Khlata Formation in Wadi Daiqa, northern Oman

Mohamed A.K. El-Ghali, Nasayaba Al-hinai, Kothar Mandhari, Junaid Khan

 ID683: Sedimentary characteristics of the fourth member of the Cretaceous Nenjiang Formation in the southern Songliao Basin, northeastern China
 Wang Jinkai, Zhang Jinliang, Xie Jun



Session: T9-OS3

Room 1

 ID752: Integrated sequence stratigraphy of the Jurassic Chiltan Formation in the middle Indus Basin, Pakistan

Sajjad Ahmad, Abdul Wahab, Muhammad Sadiq, Suleman Khan, Kamil Ahmad Qureshi, Zaid Khan

- ID127: Rudist mud mounds and biostromes from the Upper Cretaceous of Istria (Croatia)
 Alan Moro, Alceo Tarlao, Giorgio Tunis
- ID894: Late Cretaceous transgressive-regressive cycles including rudist-rich units in central Tunisia Mohamed Hedi Negra, Jalel Jaballah
- ID299: The Albian-Cenomanian transition in central Tunisia: insights from Jebel Mrhila
 Etienne Jaillard, Jean-Iouis Latil, Naser Raisossadat
- ID802: Thin-bedded turbidites of the Numidian
 Flysch, North Africa and Southern Europe
 Dorrik Stow, Riahi Sami, Menzoul Bouabdellah, Patel
 Urval, Omoniyi Bayonle, Johansson Melissa

 ID317: Deepwater sediment facies and sole marks of the Numidian Flysch, Algeria
 Bouabdellah Menzoul, Dorrik Stow, Mohamed

Adaci, Miloud Benhamou, Hicham Mahdjoub Araibi, Mustapha Bensalah, Madani Benyoucef

- ID888: Evaluation of sediment transport rate of the Kizilirmak River Basin on the tectonically active North Anatolian Fault Zone (NAFZ), Turkey Gulcan Sarp
- ID469: New insights into the Early Cretaceous syn-rift sedimentation in the Mecella structure (northeastern Tunisian Atlas): geodynamic evolution Nejla Sekatni Aich, Mohamed Gharbi

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- ID847: Lower Albian sequence stratigraphy of the south Tethyan margin: The Tajerouine area, Tunisia Abir Chihaoui, Etienne-marie Jaillard, Jean-louis Latil
- ID468: Paleogene calciclastic deposits in southern Tunisia

Moez Ben Fadhel, Mohsen Henchiri, Njoud Gallala, Rim Zammali, Ahlem Amri, Asma Chermiti, Mohamed Ben Youssef

- ID624: Geologic origins of the North American shalegas revolution: Can it happen elsewhere?
 Frank Ettensohn
- ID77: Karst landforms as possible lithological and paleo-climatic markers in an unnamed crater in the northern Sinus Meridiani, Mars
 Davide Baioni
- ID377: Spectroscopic and chromatographic characterization of the composition of organic matter in arid salt-affected soils under different vegetation cover, southeastern Tunisia (Gabes and Medenine)
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Abdulsalam Alhazza, Shorouq Ahmad, Ali Al-dousari

 ID889: Aeolian sand transport rate over windward and lee slopes of small reversing dunes, southern Morocco

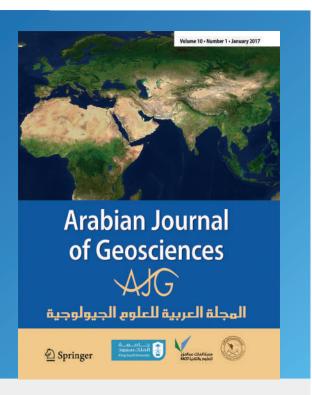
Maciej Dluzewski, Joanna Rotnicka

 ID548: Multidisciplinary approaches for the study of sediment discharges to the Mediterranean Sea to mitigate the impact of climate and anthropogenic activities on coastal environments

Oula Amrouni, Gil Mahé, Saâdi Abdeljaouad, Hakim Abichou, Abdallah Hattour, Nejmeddine Akrout, Chrystelle Bancon-Montigny, Thouraya Benmoussa, Kerim Ben Mustapha, Lassâad Chouba, Domenico Chiarella, Michel Condomines, Laurent Dezileau, Claudine Dieulin, Nadia Gaâloul, Ahmed Ghadoum, Abderraouf Hzami, Nabil Khelifi, Samia Khsiba, Fatma Kotti, Mounir Medhioub, Hechmi Missaoui, François Sabatier, Alberto Sánchez, Alessio Satta, Abdelaziz Sebei and Wième Ouer-tani



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The Structural Geology Contribution to the Africa-Eurasia Geology: Basement and Reservoir Structure, Ore Mineralisation and Tectonic Modelling

Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018





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 ID157: The Lithological, Stratigraphical, Structural Control of the Quartzite Hosted Sulphide Mineralisation in the Proterozoic Shillong Group of Rocks, Meghalaya, India.

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 ID233: Epithermal Hg, Sb and Au deposits in the continental rift zones of the Menderes Massif, western Anatolia, Turkey
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 ID357: Heavy metals in mine waters of diverse mineralization of polygenetic ore-magmatic system: Merisi ore cluster, Achara region (Georgia)
 Archil Magalashvili, Levan Doliashvili, Kakhaber Karchkhadze, Akaki Nadaraia

- ID81: The tsavorite (gem quality vanadium grossularite) minerogenetic system in East Africa Walter L. Pohl
- ID953: The Paleozoic Geology of Saudi Arabia: History, Tectonics, Glaciations, Stratigraphy, and Natural Resources

Abdulaziz A. Laboun



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AbedIgani Elrafadi, Mohamed Alwerfali, Walid Elbarghathee, Seraj Bosnina, Ali Najem

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- ID426: Characterizing Pandanallur Fractured
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- ID753: Structural styles, petroleum habitat and traps in the Pelagian-Sirt basins, Northern Africa: an overview and future exploration developments
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- ID182: Extensional attenuation of foreland thrust belts in the western Mediterranean Guillermo Booth-rea, Seiffedine Gaidi, Lluis Moragues, Fetheddine Melki, Jose Miguel Azañón, Wissem Marzougui, Jorge Pedro Galve, Vicente Pérez-peña
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- ID471: Sedimentology and petrographic analyses of the upper Cretaceous and lower Eocene carbonate deposits in the Mateur-Beja area (NW of Tunisia): The repercussions of tectonic style on sedimentation
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 ID569: Plio-Quaternary shortening structures in northern Tunisia

Seifeddine Gaidi, Booth Rea Guillermo, José Vicente Pérez, Fetheddine Melki, Wissem Marzougui, Mannoubi Khelil, Fouad Zargouni, José Miguel Azañón

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- ID570: The "Eovariscan synmetamorphic phase" of the Moroccan Meseta domain revisited; a hint for Late Devonian extensional geodynamics prior to the Variscan orogenic evolution
- Ouanaimi Hassan, Soulaimani Abderrahmane, Hoepffner Christian, Michard André
- ID572: Paradigmatic examples of lateral spreading phenomena in the Betic-Rif and Maghrebian chains Seifeddine Gaidi, Cristina Reyes Carmona, Jorge Pedro Galve Arnedo, José Vicente Pérez, Fetheddine Melki, Booth Rea Guillermo, Wissem Marzougui, José Miguel Azañón

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- ID639: Aptian-Albian diapirism and compressional tectonics since Late Maastrichtian to Quaternary in Mateur-Tebourba region (northern Tunisian Atlas)
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 ID422: Northern Dobrogea and the Crimean
 Mountains: the key areas in the tectonic evolution of the Black Sea basin

Yevgeniya Sheremet, Marc Sosson, Antoneta Seghedi, Mihaela Melinte-Dobrinescu

 ID120: CAUCASIAN-ARABIAN SYNTAXIS, THE ALPINE-HIMALAYAN CONTINENTAL COLLISIONAL ZONE

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- ID721: Obduction and collision tectonics in Oman: constraints from structural and thermal analyses
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- ID726: Evidences of Neo -Tectonic Landforms between Srinagar and Bagwan Area in Lower Alaknanda Valley (Garhwal Himalaya), India Devi Datt Chauniyal
- ID332: From rifting to spreading: the Proto-Oceanic Crust

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 ID691: Passive margin and continental basin: towards a new paradigm

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- ID404: Interpretation of global gps-vectors map Muhammad Hassan Asadiyan Falahiyeh
- ID434: Multidisciplinary study of the Central High Atlas dia-piric province in Morocco: results from analogue and numerical models

Jaume Vergés, Mar Moragas, Jonas Ruh





 ID92: Variation of subsurface resistivity in the Pan-African belt of Central Africa

Zakari Arétouyap, Dieudonné Bisso, Georges Nshagali Biriganine, Philippe Njandjock Nouck, Jamal Asfahani

 ID67: New insights into the tectonic windows of the Eastern Desert of Egypt: An integrated field and remote sensing approach

Zakaria Hamimi, Mahmoud Hegazy, Hatem Aboelkhair

 ID335: Rare earth element signatures of the Bled M'Dena porphyry molybdenum-copper System, Eglab massif (SW, Algeria)

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 ID869: Geochemical characters of the fluids involved in the genesis of the Tebessa region mineralizations (North-East Algeria)

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 ID917: Travertine-tufa deposition related to Gafsa-Jeffara fault system: implication on fluid-flow (Southern Tunisia)

Saber Idriss, Samir Bouaziz, Soumyajit Mukherjee

 ID857: Clay minerals in fluvial shaley sandstones of upper Triassic reservoir (TAGS) - Toual field SE Algeria: Identification from wireline logs and core data

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Marwa Ghalgaoui, Noomen Dkhaili, Kawtar Sebei, Mohamed Hedi Inoubli

 ID763: Characteristics of bleaching around major structures in a reservoir-cap rock system, SE Utah, USA

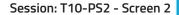
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 ID679: Identification and distribution of Jurassic paleo-reservoirs in the Central Junggar Basin, NW China

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 ID333: Characterization of stylolite networks in platform carbonates

Elliot Humphrey, Enrique Gomez-rivas, Juan Diego Martin-martin, Joyce Neilson, Shuqing Yao, Paul Bons





 ID741: Insight into the tectonics of the Kaboudia area and related petroleum systems, eastern Tunisian Offshore (Tunisia)

Mohamed Arab, Mohamed Hassaim, Chokri El Maherssi, Karim Belabed, Francois Roure

 ID447: High Integrated Study of Bentiu and Aradeiba Reservoir Formations, Hamra East Oil Field - Muglad Rift Basin, Sudan

Tourkman Omayma, Cerepi Adrian, Mohamed, Nuha, Zaroug, Izzeldin, Hussein Rashid

 ID607: Organo-geochemical, petrography and spectroscopy of organic matter associated Ypresianphosphatic series of the Maknassy-Mezzouna basin, central Tunisia
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- ID617: Application of seabed core geochemistry for further exploration in Banggai-Sula area
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- ID584: integreated petrophysical study of the accacus formation on the south of Tunisia
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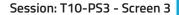
 ID319: Regional Basement Interpretation and its Impact on Ordovician and Silurian Structures (Ghadames Basin)

Dalila Samaali, Sarah Boudrigua, Walid Mahmoudi, Ahmed Nasri

 ID908: The lithostratigraphic analysis and petrophysical characterization of the Campanian-Maastrichtian formation in the Pelagian Basin (Northeast Tunisia)

Wafa Abdelkhalek, Fetheddine Melki, Klaus Bauer, Michael Weber, Abdelhamid Ben Salem

- ID910: FRACTURE PROPERTIES IN NATURALLY FRACTURED CARBONATE RESERVOIR (GOURIGUEUR EOCENE SYNCLINE, NORTH-EASTERN ALGERIA)
 Saad Hireche, Azzedine Bouzenoune, Djelel Bouti
- ID398: Polyphasic tectonic on the deformation zone in the northern foothill of the Blida Atlas, the cross section of Hammam Melouane, Algeria
 Seifeddine Adjiri, Mohamed Naak, Abdelkrim Yelleschaouche
- ID244: Late Hercynian and Alpine deformation in Sidi Abdelaziz area small Kabylie(Algeria)
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- ID446: Analogical compression modeling of the Tunisian Atlas in the Mediterranean context
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- ID453: Compressional tectonics since Late
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 Hedi Zouari, Achraf Zouari, Fehmy Belghouthi
- ID454: The External Domain of Maghrebides Belt on the North – East of Algeria, Souk Ahras Segment: Definition of Structural Units, Block Structure and Timing of Thrusts Setting.

Chabbi Abdallah, Chermiti Asma, Chouabbi Abdelmadjid, Benyossef Mohamed

 ID425: Is the Mejerda wedge-top basin of northern Tunisia a consequence of basal friction change? A theoretical and experimental approach.

Mannoubi Khelil, Pauline Souloumiac, Dominique Frizon De Lamotte, Sami Khomsi, Bertrand Maillot, Seifeddine Gaidi, Mourad Bedir, Fouad Zargouni

 ID594: New evidence of active faulting along the Ain Smara Fault in the Constantine province (North East Algeria)

Yahia Mohammedi, Hamou Djellit, Andlkrim Yelleschaouche, Mouloud Hamidatou, Nassim Hallal ID774: Gravimetric study of the Khemis Miliana plain (Upper Cheliff basin): Structure of the transition zone between the Cheliff and Mitidja basin (North of Algeria)

Mohamed Bendali, Boualem Bouyahiaoui, Hassina Boukerbout, Billel Neche, Salah-eddine Bentridi, Abdeslam Abtout

- ID636: Pan-African transpression in Tahifet area (Azrou N'Fad terrane, Hoggar Algeria)
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- ID621: Use of Landsat 8 OLI images to the characterization of Hercynian deformation of the Ougarta (South-West Algeria)

Harouz Chakib, Amri Kamel, Hamdidouche Rachide, Araibia Kawther

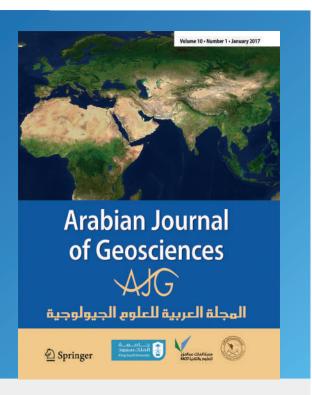
 ID403: The role of Izeh deep-seated transverse fault zone in Zagros, Iran

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410: [T2-PS3 - Screen 6] - Congress Area
411: [T2-OS3] - Room 3
412: [T5-PS3 - Screen 4] - Congress Area
414: [T9-PS2 - Screen 2] - Congress Area
416: [T3-OS2] - Room 2
418: [T10-0S4] - Room 1
419: [T6-PS2 - Screen 4] - Congress Area
420: [T3-OS3] - Room 2
421: [T8-PS1 - Screen 1] - Congress Area
422: [T10-0S4] - Room 1
423: [T5-PS2 - Screen 3] - Congress Area
424: [T10-OS2] - Room 1
425: [T10-PS3 - Screen 3] - Congress Area
426: [T10-OS2] - Room 1
427: [T10-OS2] - Room 1
429: [T3-PS3 - Screen 4] - Congress Area
431: [T7-0S2] - Room 4
432: [T8-PS1 - Screen 1] - Congress Area
434: [T10-OS4] - Room 1
435: [T3-PS4 - Screen 5] - Congress Area
438: [T8-0S1] - Room 3
440: [T1-0S2] - Congress Hall
442: [T9-PS1 - Screen 1] - Congress Area
443: [T7-052] - Room 4
444: [T9-OS1] - Room 1
446: [T10-PS3 - Screen 3] - Congress Area
447: [T10-PS2 - Screen 2] - Congress Area
450: [T6-0S4] - Room 2
451: [T9-PS1 - Screen 1] - Congress Area
452: [T6-OS2] - Room 2
453: [T10-PS3 - Screen 3] - Congress Area
454: [T10-PS3 - Screen 3] - Congress Area
455: [T7-OS1] - Room 4
456: [T7-PS1 - Screen 2] - Congress Area
458: [T6-OS2] - Room 2
461: [T2-PS2 - Screen 5] - Congress Area
461: [12-P32 - Screen 3] - Congress Area

464: [T3-OS2] - Room 2

ID: Session - Room

ID. Session - Room
466: [T2-PS1 - Screen 4] - Congress Area
468: [T9-OS4] - Room 1
469: [T9-OS3] - Room 1
470: [T6-PS3 - Screen 5] - Congress Area
471: [T10-053] - Room 1
472: [T3-OS3] - Room 2
476: [T3-OS2] - Room 2
477: [T6-PS1 - Screen 3] - Congress Area
479: [T5-OS1] - Congress Hall
481: [T7-OS1] - Room 4
482: [T3-PS4 - Screen 5] - Congress Area
483: [T9-PS1 - Screen 1] - Congress Area
484: [T4-PS1 - Screen 1] - Congress Area
485: [T5-PS2 - Screen 3] - Congress Area
486: [T10-OS3] - Room 1
487: [T3-PS1 - Screen 2] - Congress Area
488: [T3-PS2 - Screen 3] - Congress Area
490: [T7-PS1 - Screen 2] - Congress Area
493: [T6-OS1] - Room 3
494: [T3-OS4] - Room 2
495: [T6-OS4] - Room 2
497: [T7-PS3 - Screen 4] - Congress Area
499: [T9-OS1] - Room 1
500: [T3-PS3 - Screen 4] - Congress Area
501: [T7-OS3] - Room 4
502: [T3-PS4 - Screen 5] - Congress Area
503: [T9-OS1] - Room 1
504: [T7-PS3 - Screen 4] - Congress Area
505: [T7-PS3 - Screen 4] - Congress Area
508: [T8-PS1 - Screen 1] - Congress Area
510: [T5-OS2] - Congress Hall
515: [T6-PS2 - Screen 4] - Congress Area
516: [T2-OS3] - Room 3
517: [T7-OS3] - Room 4
519: [T7-PS2 - Screen 3] - Congress Area
521: [T9-PS2 - Screen 2] - Congress Area
522: [T4-OS1] - Room 3
524: [T2-PS1 - Screen 4] - Congress Area
526: [T7-PS1 - Screen 2] - Congress Area
528: [T6-OS1] - Room 3
529: [T3-PS1 - Screen 2] - Congress Area
530: [T4-OS1] - Room 3
532: [T6-OS1] - Room 3
534: [T3-PS1 - Screen 2] - Congress Area
535: [T2-PS3 - Screen 6] - Congress Area
537: [T5-PS3 - Screen 4] - Congress Area
539: [T2-PS2 - Screen 5] - Congress Area
540: [T1-OS2] - Congress Hall
541: [T3-PS1 - Screen 2] - Congress Area
543: [T7-PS3 - Screen 4] - Congress Area
545: [T6-PS1 - Screen 3] - Congress Area
546: [T6-PS2 - Screen 4] - Congress Area
548: [T9-OS4] - Room 1
551: [T7-PS2 - Screen 3] - Congress Area
552: [T6-OS4] - Room 2
553: [T6-OS4] - Room 2
554: [T9-PS2 - Screen 2] - Congress Area

ID: Session - Room

ID: Jession - Room
555: [T3-PS4 - Screen 5] - Congress Area
556: [T5-PS2 - Screen 3] - Congress Area
557: [T5-PS1 - Screen 2] - Congress Area
558: [T6-OS1] - Room 3
560: [T4-PS1 - Screen 1] - Congress Area
561: [T6-PS2 - Screen 4] - Congress Area
562: [T5-PS3 - Screen 4] - Congress Area
565: [T2-OS3] - Room 3
568: [T9-PS2 - Screen 2] - Congress Area
569: [T10-OS3] - Room 1
570: [T10-OS3] - Room 1
572: [T10-OS3] - Room 1
573: [T2-PS1 - Screen 4] - Congress Area
574: [T7-PS1 - Screen 2] - Congress Area
576: [T6-PS2 - Screen 4] - Congress Area
577: [T6-PS1 - Screen 3] - Congress Area
579: [T8-0S3] - Room 3
580: [T8-PS1 - Screen 1] - Congress Area
581: [T6-PS1 - Screen 3] - Congress Area
584: [T10-PS2 - Screen 2] - Congress Area
585: [T7-PS2 - Screen 3] - Congress Area
586: [T5-0S2] - Congress Hall
587: [T5-0S2] - Congress Hall
593: [T5-PS2 - Screen 3] - Congress Area
594: [T10-PS3 - Screen 3] - Congress Area
596: [T6-PS4 - Screen 6] - Congress Area
599: [T7-PS3 - Screen 4] - Congress Area
600: [T6-0S2] - Room 2
603: [T6-PS1 - Screen 3] - Congress Area
606: [T6-0S1] - Room 3
607: [T10-PS2 - Screen 2] - Congress Area
608: [T9-PS1 - Screen 1] - Congress Area
609: [T9-OS1] - Room 1
610: [T7-PS3 - Screen 4] - Congress Area
611: [T3-PS4 - Screen 5] - Congress Area
616: [T3-PS4 - Screen 5] - Congress Area
617: [T10-PS2 - Screen 2] - Congress Area
619: [T8-OS3] - Room 3
620: [T6-PS4 - Screen 6] - Congress Area
621: [T10-PS3 - Screen 3] - Congress Area
623: [T9-PS2 - Screen 2] - Congress Area
624: [T9-OS4] - Room 1
626: [T5-OS1] - Congress Hall
627: [T8-OS1] - Room 3
635: [T7-PS2 - Screen 3] - Congress Area
636: [T10-PS3 - Screen 3] - Congress Area
639: [T10-0S4] - Room 1
640: [T6-PS4 - Screen 6] - Congress Area
641: [T3-PS3 - Screen 4] - Congress Area
642: [T5-PS2 - Screen 3] - Congress Area
647: [T6-PS3 - Screen 5] - Congress Area
648: [T5-PS2 - Screen 3] - Congress Area
651: [T4-PS1 - Screen 1] - Congress Area
653: [T6-OS1] - Room 3
654: [T5-PS3 - Screen 4] - Congress Area
655: [T2-PS3 - Screen 6] - Congress Area
657: [T9-PS1 - Screen 1] - Congress Area
5

ID: Session - Room

ID: Session - Room
659: [T2-PS3 - Screen 6] - Congress Area
661: [T6-OS4] - Room 2
662: [T9-PS1 - Screen 1] - Congress Area
665: [T5-OS1] - Congress Hall
666: [T9-OS1] - Room 1
668: [T3-OS4] - Room 2
672: [T6-OS3] - Room 2
673: [T6-OS1] - Room 3
674: [T4-PS1 - Screen 1] - Congress Area
676: [T2-PS2 - Screen 5] - Congress Area
679: [T10-PS1 - Screen 1] - Congress Area
680: [T8-OS3] - Room 3
681: [T7-PS3 - Screen 4] - Congress Area
682: [T3-PS2 - Screen 3] - Congress Area
683: [T9-OS2] - Room 1
684: [T9-PS1 - Screen 1] - Congress Area
685: [T3-OS4] - Room 2
691: [T10-0S4] - Room 1
692: [T9-PS1 - Screen 1] - Congress Area
694: [T2-PS3 - Screen 6] - Congress Area
695: [T5-PS1 - Screen 2] - Congress Area
698: [T6-OS5] - Room 2
699: [T7-OS2] - Room 4
702: [T2-OS1] - Room 3
703: [T5-PS3 - Screen 4] - Congress Area
704: [T7-PS2 - Screen 3] - Congress Area
707: [T6-OS3] - Room 2
712: [T3-OS1] - Room 2
716: [T2-PS1 - Screen 4] - Congress Area
718: [T10-PS1 - Screen 1] - Congress Area
721: [T10-0S4] - Room 1
722: [T2-PS1 - Screen 4] - Congress Area
726: [T10-0S4] - Room 1
733: [T7-PS1 - Screen 2] - Congress Area
734: [T7-PS1 - Screen 2] - Congress Area
736: [T10-052] - Room 1
738: [T6-PS4 - Screen 6] - Congress Area
741: [T10-PS2 - Screen 2] - Congress Area
742: [T1-OS2] - Congress Hall
744: [T5-052] - Congress Hall
746: [T3-PS1 - Screen 2] - Congress Area
749: [T3-P54 - Screen 5] - Congress Area
750: [T6-PS4 - Screen 6] - Congress Area 751: [T9-OS4] - Room 1
751: [19-054] - ROOM 1 752: [T9-053] - Room 1
752: [19-053] - R00III 1 753: [T10-0S2] - Room 1
753: [110-052] - ROUIT 1 754: [T1-0S1] - Congress Hall
754. [11-051] - Congress Hall 756: [T6-0S5] - Room 2
750: [T5-051] - Room 2 757: [T5-051] - Congress Hall
757. [15-051] - Congress Hall 758: [T6-0S5] - Room 2
760: [T2-PS1 - Screen 4] - Congress Area
763: [T10-PS1 - Screen 1] - Congress Area
764: [T3-053] - Room 2
766: [T6-0S5] - Room 2
767: [T10-055] - Room 1
767: [110-031] - Rooll11 769: [T9-PS2 - Screen 2] - Congress Area
769: [19-P52 - Screen 2] - Congress Area

770: [T3-PS4 - Screen 5] - Congress Area

ID: Session - Room

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771: [T2-PS3 - Screen 6] - Congress Area
772: [T2-PS2 - Screen 5] - Congress Area
774: [T10-PS3 - Screen 3] - Congress Area
780: [T5-PS3 - Screen 4] - Congress Area
781: [T5-PS3 - Screen 4] - Congress Area
782: [T5-OS2] - Congress Hall
783: [T3-PS3 - Screen 4] - Congress Area
785: [T2-OS2] - Room 3
786: [T5-PS1 - Screen 2] - Congress Area
787: [T2-OS3] - Room 3
791: [T6-PS2 - Screen 4] - Congress Area
792: [T3-OS4] - Room 2
795: [T4-OS1] - Room 3
796: [T5-OS2] - Congress Hall
797: [T1-OS1] - Congress Hall
798: [T5-PS1 - Screen 2] - Congress Area
799: [T1-PS1 - Screen 1] - Congress Area
802: [T9-OS3] - Room 1
803: [T1-PS1 - Screen 1] - Congress Area
806: [T6-PS4 - Screen 6] - Congress Area
808: [T1-PS1 - Screen 1] - Congress Area
810: [T9-PS1 - Screen 1] - Congress Area
812: [T5-PS2 - Screen 3] - Congress Area
813: [T6-OS2] - Room 2
819: [T7-PS2 - Screen 3] - Congress Area
820: [T9-PS1 - Screen 1] - Congress Area
822: [T9-PS2 - Screen 2] - Congress Area
823: [T8-PS1 - Screen 1] - Congress Area
826: [T2-PS1 - Screen 4] - Congress Area
827: [T2-PS1 - Screen 4] - Congress Area
828: [T5-OS1] - Congress Hall
829: [T1-PS1 - Screen 1] - Congress Area
831: [T6-OS5] - Room 2
833: [T2-PS2 - Screen 5] - Congress Area
841: [T9-OS2] - Room 1
842: [T2-PS3 - Screen 6] - Congress Area
844: [T9-OS2] - Room 1
845: [T9-PS1 - Screen 1] - Congress Area
847: [T9-OS4] - Room 1
848: [T9-PS2 - Screen 2] - Congress Area
850: [T2-OS2] - Room 3
851: [T6-PS1 - Screen 3] - Congress Area
852: [T9-PS2 - Screen 2] - Congress Area
857: [T10-PS1 - Screen 1] - Congress Area
859: [T3-OS2] - Room 2
861: [T1-PS1 - Screen 1] - Congress Area
864: [T2-PS1 - Screen 4] - Congress Area
866: [T2-OS1] - Room 3
868: [T5-PS1 - Screen 2] - Congress Area
869: [T10-PS1 - Screen 1] - Congress Area
875: [T2-PS2 - Screen 5] - Congress Area
876: [T2-PS2 - Screen 5] - Congress Area
880: [T8-OS3] - Room 3
882: [T9-OS2] - Room 1
883: [T3-OS3] - Room 2
885: [T7-OS2] - Room 4
886: [T3-PS1 - Screen 2] - Congress Area
```

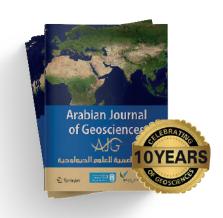
ID: Session - Room

888: [T9-053] - Room 1 889: [T9-OS4] - Room 1 890: [T9-OS4] - Room 1 892: [T6-OS3] - Room 2 894: [T9-OS3] - Room 1 896: [T5-PS1 - Screen 2] - Congress Area 897: [T9-PS2 - Screen 2] - Congress Area 898: [T6-PS1 - Screen 3] - Congress Area 900: [T9-PS1 - Screen 1] - Congress Area 902: [T8-OS2] - Room 3 905: [T2-PS1 - Screen 4] - Congress Area 908: [T10-PS2 - Screen 2] - Congress Area 910: [T10-PS2 - Screen 2] - Congress Area 911: [T3-PS1 - Screen 2] - Congress Area 914: [T3-OS4] - Room 2 915: [T10-OS1] - Room 1 916: [T2-PS3 - Screen 6] - Congress Area 917: [T10-PS1 - Screen 1] - Congress Area 919: [T2-PS3 - Screen 6] - Congress Area 920: [T4-OS1] - Room 3 922: [T1-PS1 - Screen 1] - Congress Area 924: [T3-PS3 - Screen 4] - Congress Area 926: [T10-OS4] - Room 1 927: [T3-OS1] - Room 2 928: [T9-PS2 - Screen 2] - Congress Area 929: [T3-PS3 - Screen 4] - Congress Area 930: [T7-PS3 - Screen 4] - Congress Area 931: [T3-PS1 - Screen 2] - Congress Area 933: [T9-PS2 - Screen 2] - Congress Area 945: [T3-PS4 - Screen 5] - Congress Area 946: [T6-PS1 - Screen 3] - Congress Area 947: [T1-PS1 - Screen 1] - Congress Area 949: [T9-PS1 - Screen 1] - Congress Area 950: [T6-PS3 - Screen 5] - Congress Area 951: [T3-PS3 - Screen 4] - Congress Area 952: [T8-PS1 - Screen 1] - Congress Area 953: [T10-OS1] - Room 1 954: [T6-PS3 - Screen 5] - Congress Area 956: [T1-PS1 - Screen 1] - Congress Area 957: [T7-PS1 - Screen 2] - Congress Area 958: [T7-PS1 - Screen 2] - Congress Area





Celebrating **10** Successful Years!



See you in 2019 in...

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CAJG Conference Supervisor Dr. Nabil Khélifi, Springer Senior Editor

CAJG General Chairman Prof. Dr. Abdullah Al-Amri, Founder & EiC of AJGS



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