



2nd international conference: Scientific Days of Medjerda (SDMed2017)

Abstract deadline: 30 June 2017

Aims and scope of SDMed2017

The Scientific Days of Medjerda is an international forum to review and discuss recent achievements in water resources and agro – industrial frameworks as well as related disciplines in order to improve their management, in regard to climate change. The conference will be a key tribune for interested or acting researchers, professionals and experts. The Scientific Days of Medjerda, 2017 edition, will focus on issues promoting sustainable development in a context of climate change. The main dimension of a such development is the environment that will be highlighted through water resources management, soil erosion risk management, waste water monitoring, treatment and management, energy and machinery optimization and valorization of products and processing wastes. The organizing committee expects that the second international conference will attract scientists from all over the world to present and discuss their recent finding and achievements related to the topics, mentioned below. Keynote speakers, oral sessions, and poster presentations are being planned. The conference webpage, <http://www.esier.agrinet.tn/jsmmed>, will be updated frequently.

The previous version as the first edition of Scientific Days of Medjerda 2016 (called JSMed2016), was a

high-level forum focusing on three main topics, namely: the management of natural resources (water, soil and vegetation in the perspective of climate change), the bio-transformations, energy and the environment, and the opportunity for sustainable development, especially waste and water management. Eleven sessions were organized for the discussions of the topics, 10 sessions were for oral presentations and one session was for posters. The conference was of large success, with nearly 300 participants and over 60 speakers from Tunisia, Algeria, France, Belgium, Canada, the Democratic Republic of Congo, Morocco, Spain and Switzerland. A hundred papers were submitted, with an acceptance rate of almost 75%. The final acts of the meeting are available upon request.

The main topics of the SDMed2017 are:

1. Water resources management (Hydrology and watershed modelling, Water Contamination Risks, Irrigation practices, Water harvesting practices, How best water management)
2. Soil erosion risk management (Soil erosion risk assessment, Dryland management and climate change, Environment and ecosystem preservation and restoration)
3. Waste water monitoring, treatment and management (Agricultural and industrial water reuse, pollution and remediation, Water quality monitoring and modelling, Conventional and non-conventional water resources conservation and management)
4. Climate change and agriculture resilience (Rural development and global warming, Agriculture yield uncertainty, Resources use efficiency and climate change)
5. Water-energy Nexus and management for sustainable development (Energy and environment, Water, energy and sustainable systems)
6. Energy and Environment (Green energy, Energy process optimization, Renewable Energies)
7. Bio-transformation (Co-products valorization, Bio-engineering of food transformation, Agro-industries)
8. Agricultural structures (Storage of agricultural products, Environment control of agricultural structures)
9. Power and machinery (Small scale mechanization, Farm power machinery management, Optimization of machinery integration)

Key dates

Submission extended abstracts: 30 June 2017
 Notification of acceptance: 1st September 2017
 Registration deadline: 2nd October 2017
 Conference: 25 – 27 October 2017

The meeting would take place on the site of the ESIER, in the countryside near wadi Medjerda, the main river of Tunisia.

Committees

1. Stirring committee

Slaheddine Khelifi, ESIER Medjez el Bab, Chairmen of the Stirring committee and the editor of the SDMed2017 proceeding
 Hassan Kharroubi, ESIER Medjez el Bab, responsible of the sponsoring and funding
 Nabil Khelifi, Springer MENA program, Heidelberg Germany, Responsible of the publication
 Khaled El Moueddeb, ESIER Medjez el Bab, Responsible of the communication of conference
 Fayçal Ounaies, ESIER Medjez el Bab, Conference Manager

2. Organizing committee (ESIER)

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3. Scientific committee

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Abstract guidelines

Authors are invited to submit their original work in the form of extended abstract which must be submitted to one of main topics of the conference and the author(s) should indicate if the contribution might be for oral presentation or poster. To be included in the final conference program each accepted presentation will have to be accompanied by a completed registration form and its associated payment by the presenting author (at least one registered participant per contribution).

The submission format should be according to the attached template. The page size is A4 with 2.5cm margin. Abstracts must be submitted through the online form which include sections (Short abstract, Introduction, Materials & methods, Results and discussion, Conclusion, and References). Additional sections, such as "Acknowledgements", can be made.

- **Extended abstracts must not exceed 1000 words; The extended abstract may contain illustrations (table, figure, image, ...) which count for 50 words each figure or table.**
- **References should be listed, in alphabetical order, as below (Times New Roman, Font size: 12, single space).**

- **Journal article**

Zhou, X.P., Wang, F., Fan, J.A. (2010) Performance of solar chimney power plant in Qinghai-Tibet Plateau. *Renew. Sustain. Energy Rev.* 1(8), 2249–55.

- **Book**

Troeh, F.R., Hobbs, J.A., Donahue, R.L. (1999) *Soil and Water Conservation: Productivity and Environmental Protection*. Third Edition. Prentice Hall Inc, New Jersey, p. 610.

- **Book chapter**

Slafer G.A., Araus J.L. (2007) Physiological traits for improving wheat yield under a wide range of conditions. In Spiertz, J.H.J., Struik, P.C., van Laar H.H. (Ed.), *Scale and Complexity in Plant Systems Research: Gene-Plant-Crop Relations* (pp. 147-156). Heidelberg, Springer.

- **Conference paper**

Boufaroua, M., Lamachère, J. M., Debabria, A. Ksibi, F. (2006) Prédétermination de l'envasement des lacs collinaires de la Dorsale tunisienne. 14th International Soil Conservation Organization Conference. *Water Management and Soil Conservation in Semi Arid Environments*. Marrakech, Morocco p. 45-49.

- **Technical report**

Tucker, K., Feagley, S. (1998) *The impacts of furrow diking, terracing, and contour cultivation on water conservation in Texas Agriculture*. Texas Agricultural Extension Service, Texas A&M University, SCS Report. 156p.

▪ **On line document**

FAO (2007) Coping with water scarcity. Challenge of the twenty-first century. A-water. Coping with water scarcity. Challenge of the twenty-first century. UN Water. <http://www.fao.org/nr/water/docs/scarcity>.

Citation

All references must be cited in the text by name and year in parentheses, as follow:

- Climate change projections in the southern Mediterranean to the horizons 2020 and 2050 show an increase in temperature and a decrease in precipitation (IPCC 2013).
- Progress is made with smart sensor technologies, web portals and online platforms (Vitolo *et al.* 2015).
- Bouabidi *et al.* (2016a; 2016b) studied the pumping phenomenon occurred under sloshing pressure.

Illustrations

All tables, figures, equations or any others illustrations should be numbered using Arabic number in consecutive number and cited in the text. For each table and figure, a concise title (Times New Roman, Font size: 10, bold, single space) should be supplied.

Nota Bene

- Contribution type can be either an oral presentation (15 minutes presentation, not including discussion) or a poster.
- The final selection of presentations (oral and posters) and their assignment to scientific sessions will be done by the organizing committee upon abstract reviewed by the scientific committee.
- The acceptance of a presentation (oral or poster) and its inclusion in the final conference program becomes effective only once registration and payment are received.

Registration will be open until 2nd October 2017.

- Authors will be invited to submit their accepted papers, 4 to 8 pages by 2nd October 2017, to include them in the proceedings of SDMed-2017.

A selection of high-quality contributions will be recommended to special issue for publication at Springer Journals, which titles will be announced soon.

Registration

At least one author must be registered using the enclosed registration form '[Use this form for registration](#)'; Otherwise the communication would not appear in the SDMed2017 proceeding. The participation fees as below:

- Pack student (participation without accommodation): 100 Tunisian dinars (50€)
- Pack regular student (participation with accommodation for 3 nights): 250 Tunisian dinars or 125€
- Pack researcher (participation with accommodation for 3 nights): 350 Tunisian dinars (175€)
- Pack regular researcher (participation with accommodation for 4 nights): 450 Tunisian dinars (225€)

The payment of the registration fees is made by bank transfer (bank proof to be sent as soon as the transfer done); if you like to pay during the conference please of your trip copy before the deadline of the registration. Order forms are possible only for Tunisian participants. The

participation fees must be sent to the 'Association des anciens de l'ESIER Medjez el Bab'. Payment must be made to:

- Association des anciens de l'ESIER Medjez-El-Bab;
- Address: Route du Kef Km 5, Medjez el Bab 9070 Tunisia
- Bank: BNA
- Bank account RIB: 03401018010110703717
- SWIFT code: BNTEENTT
- Reason for transfer: Registration for SDMed2017
- VAT code: N
- Tax identification number: 1191246 / P/N/000

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Invited Speakers

Dr Nabil Khelifi, Springer

Pr Nicola Fohrer, UKiel

Partners



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