

This conference seeks to achieve the following objectives:

Work on the flourishing of the Arabic language in various aspects of daily life, in addition to working on the generalization of the use of Arabic in science and technology.

The Supreme Council of the Arabic Language is planning from now on to reap the fruits of success in launching the second initiative entitled (The Arabic Language in Science and Technology), an initiative that falls within the Council's tasks.

Generalize the use of the Arabic language in science and technology," in addition to supporting the program of the Eighteenth Conference of Ministers Responsible for Higher Education and Scientific Research in the Arab World, held in Algeria on the 26-28th of December 2021.

Present topics that pertain to the expected qualitative scientific shift, which has been foreseen the use of Arabic will prevail in the scientific fields up to 2030. Up to 30 topics will be suggested by those who are keen to take part in the celebration of the Arabic language in December 2022.

Make it possible for the Arabic language to cope with the current developments and to meet the needs of the scientific domains, as it is often the case with the other international languages. The supreme council will take part in the future projects and will suggest new thoughts that might play a role in the development of the Standard Arabic, most notably in the scientific fields.

As a reaction to the misbelief that Arabic can not be used in the scientific arena, we seek to Achieve the collective success to heighten the level of the Standard Arabic. This is your recommendation, which will be implemented in the international occasion in December 18th 2022.

Calendar

- The conference will be held on **26-27/04/2023**.
- Participation articles are received from the date of notification of approval until **17/04/2023**.

Registration fees

- Teachers: 2000 Algerian Dinars
- PhD students: 1000 Algerian Dinars

Sending communication proposals to the following addresses:

arabic.sci.tech@univ-oeb.dz

People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research
Larbi Ben M'Hidi University - Oum el bouaghi
Faculty of Letters and Languages

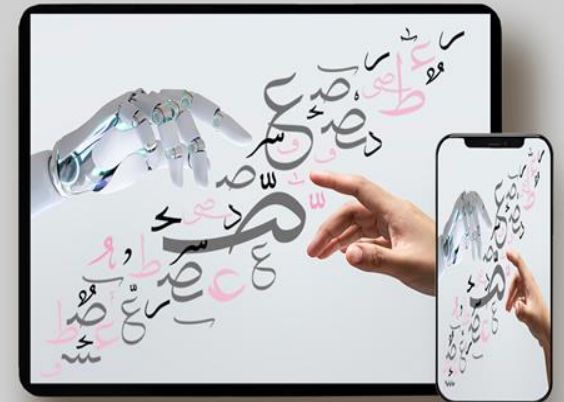
Organized by

Faculty of Letters and Languages, with the contribution of the Supreme Council of the Arabic Language the laboratory "Didactics of the Arabic Language and the Literary Text"
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The National Forum

The Arabic language in science and technology



26/27 APRIL 2023

- 24- The challenge of artificial intelligence and software production in Arabic: Possible or impossible?
- 25 - Techniques of automatic identification of spoken Arabic speech - applied models -
26. The possibility of electronic recognition of Arabic manuscripts using artificial intelligence.
- 27- Digitization in Arabic in the globalization era: any chance to compete?
28. Linguistic analyzers in Arabic and the treatment of imperfections.
- 29- Arabic Linguistic Blogs: Achieved and Hoped, and Resolving difficulties.
30. Basic techniques for natural language processing, applied to Arabic.
- 31 - Major linguistic technical projects in Arabic and their outcomes in the development of Arabic.
- 32 Building digital platforms in modern scientific blogs.

Conference Tracks:

1. Scientific Arabic: meaning and structure, specifications, characteristics, models for the fields of science.
2. The history of science in the Arabic language: the faulty past, the troubling present, and the bright future.
3. Shift from the rope roller of the Arabs to the steam engine wheel of the Western revolution: Rooting the stump, developing the branches.
4. Shift from the richness of the internal and external Arab genius, to the intelligent computer revolution.
- 5 The genius of the Arabic language and the achievement of scientific conversational languages - models from the field of science.
- 6 - Successful Arab experiences in teaching science and technology - the Sudan experience

Description of the conference:

The Arabic language in science and technology.

The Arabic language heritage was filled with poetry, literature and eloquence as it had acquired an extensive bulk of knowledge from different science fields in the past. In the present time, due to the lack of many scientific necessities, we feel the need take an initiative to fill this scientific shortage guided by steady and gradually progressive plans, and clear executive programs. We need to capitalize on intelligent computer softwares that meet the scientific needs of the Arabic language in scientific and technological domains. The field of science in general is one of most crucial challenges in the modern era, and one of the gates to gain access to the advanced language market worldwide. It is what makes languages sustainably develop in current and future civilizations as a language without sciences has no secure future.

Honorary President:

Pr. Zohir Dibi , Rector of Oum el Bouaghi University.

Pr. Salah Belaid , President of the Supreme Council of Arabic Language .

General Supervisor of the Forum:

Pr. Chaker Lokmane , the Dean of the Faculty of Letters and Foreign Languages.

Pr. Amal Hamzaoui, executive in the higher council of the Arabic language.

President of the Forum

-M. Radia Addad, Oum el Bouaghi University.

President of the organization

committee

Dre Nacima Nabi ,Oum el Bouaghi University.

Dre Bentounssi aya ikram,Oum el Bouaghi University.

President of the Scientific Committee

Dr Haroun Labidi ,Oum el Bouaghi University.

Dre Fahima Merah,Oum el Bouaghi University.

7 - Successful Arab experiences in teaching science and technology: The case of the Syrian experience

. 8 Successful Algerian experiences in teaching science in Arabic.

9- Arabic calligraphy: technical harassment, projects and solutions.

10 - The Status quo of scientific research in Arabic: difficulties, challenges, initiatives, procedures and solutions.

11- The role of Arabic linguistic academies, higher councils, and scientific institutions in the projects of 'Al-Arabiya fi al-Ulum'.

12- The role of the Supreme Council for the Arabic Language in digitization and the challenges of artificial intelligence OCR.

13- Scientific Arabic language and contemporary scientific writing: abbreviations, cryptography, encoding, symbolism...

14- Teaching science and technology in the Arabic language: psychological difficulties or technical inconveniences?

15- Building contextual dictionaries in the Arabic language: completed projects, initiatives, and brilliant ideas.

16- Building programs in automated Arabic teaching for the non-native speakers.

17- Suggesting projects to popularize the use of Arabic in science and technology.

18-Mechanisms of modern science in abbreviations, mathematics, linguistic engineering, and interlingualism.

19. The role of computational linguistics in Food / medical Prescription industries.

20. Scientific publishing in Arabic, patterns of approved journals, and special artificial intelligence software.

21- Scientific creativity in Arabic: Description of the cases and suggestion of potential solutions.

22- Completion of a guide for Arab scientific institutions: their achievements and projects, evaluation and correction.

23- Machine translation, models of Arabic software in the field of science and technology.

The council's team and friends will be of great help to you in its next convoy; In order to achieve linguistic volunteering, and we, as partisans of Arabic language, we will serve it with our unified efforts and updated scientific knowledge. With this initiative in mind, the Supreme Council invites researchers to contribute with new ideas and research studies to take part in this initiative in order to protect classical Arabic to demonstrate its scientific importance through the linguistic awareness that may play a role in increasing its value as the language of the past, the present and the future.

Dear contributors, success is a collective achievement. Thus, we invite you to take the initiative, elaborate an accurate, effective, comparative and cross-sectional research in order to find the shortcomings that limit the required scientific creativity in Arabic. We will set the task to follow the previous successful initiatives that were applied to the humanity, and were the locomotive of science. Didn't Shakespeare succeed in making English a worldwide language through his plays! Isn't the Grimm brothers' experience the scientific base of the German language? Didn't Yehuda Ben Eliezer, the lexicographer of monotheism language, play an important role to make Hebrew the language of instruction in all scientific domains?

Shall we take the moral from the experience of Europeans in the Renaissance on the Arab base! Didn't the Arabs succeed in generalizing the use of their language scientifically in the civilizational communication between the two shores... We need to reconsider the Linguistic dependence on foreign languages, which has caused us failure, and made us believe that some languages do not carry knowledge while others do, and made us also forget that any language develops if given attention and any neglected language would die out in the course of time.