

الجمهورية الجزائرية الديمقراطية الشعبية

People's Democratic Republic of Algeria

وزارة التعليم العالي والبحث العلمي

Minister of Higher Education and Scientific Research

جامعة محمد البشير الإبراهيمي - برج بوعريريج -

Mohamed El-Bashir El-Ibrahimi University BBA

كلية علوم الطبيعة والحياة وعلوم الأرض والكون

Faculty of Natural and Life Sciences and Earth and Universe Sciences

قسم العلوم الفلاحية

Department of Agricultural Sciences



Organize

In collaboration with SANENV health and environment laboratory
The 1st International Hybrid Conference

On:



Artificial intelligence applied to the agricultural sector. (Drones, remote sensing and data sciences)

Date of the event: May 03-04, 2023.

**Address of the event: University Mohamed El Bachir El-Ibrahimi
Bordj Bou Arreridj - Algeria.**

**Faculty of Natural and Life Sciences and Earth and Universe
Sciences**

Honorary Presidents: Pr. BOUDERSSAIA Bouaza (University Director)
Dr. BOUBELLOUTA Taher (Dean of the Faculty)

The seminar president: Dr. BENSEFIA Sofiane



➤ **Scientific Committee:**

Chairman of the scientific committee: Dr BENSEFIA SOFIANE

Vice President: Dr. Belkassmi Farida.

➤ **Members:**

	Full name	Establishment, Country
1-	Pr MEDERBAL Khalladi	Tiaret University Algeria
2-	Pr. Madani toufik	Setif 01University Algeria
3-	Pr Bahlouli Faysal	BBA University Algeria
4-	Dr Merzouki Youcef	BBA University Algeria
5-	Dr Fellahi Zine El Abidine	BBA University Algeria
6-	Dr Semara Iounis	BBA University Algeria
7-	Dr Touati Noureddine	BBA University Algeria
8-	Dr Dr Messai chafik ridha	BBA University Algeria
9-	Dr Bougabese Nadira	High school teachers of Constantine -Algeria
10-	Dr Belayadi Amna	BBA University Algeria
11-	Dr Achour yacine	BBA University Algeria
12-	Dr Khnioui Abderrazak	Tiaret University Algeria
13-	Dr Boukhalfa Salah	High school teachers of El-Eulma -Algeria
14-	Dr Maabad Sofiane	Setif 01University Algeria
15-	Dr Boulahdid Anter	High school teachers of Constantine -Algeria
16-	Dr Boukhelifi K Djohaina	Biskra University Algeria
17-	Dr Bouam Souhil	Batna2University Algeria
18-	Dr Djellab Rima	Batna2 University Algeria
19-	Dr Guezouli Lyamine	National School of Renewable Energies -Algeria
20-	Dr BOULELOUAH NADIA	Batna1 University Algeria
21-	Dr Salim Itsouri	National School of Agricultural Sciences Algiers - Algeria
22-	Dr Laabassi Karim	National School of Agricultural Sciences Algiers - Algeria
23-	Dr Boudhhar Lies	National School of Agricultural Sciences Algiers - Algeria
24-	Dr Belazzoug Massinissa	BBA University Algeria
25-	Dr. Tabet Slimane	Mila University Algeria
26-	Pr.Arthur goetsch	AIGR- Langston,University USA.
27-	Pr.Terry Gipson	AIGR- Langston,University USA.
28-	Pr.Ryszard Puchala	AIGR- Langston,University USA.
29-	Dr.Arezki Lehad	National School of Agricultural Sciences Algiers - Algeria
30-	Dr. Samia Laala	National School of Agricultural Sciences Algiers - Algeria



31-	Dr. Taoutaou Moumen	National School of Agricultural Sciences Algiers - Algeria
32-	Dr. Debeche Hawes	M'sila University Algeria
33-	Dr. Mouffok Charafedinne	Setif 01 University, Algeria.
34-	Pr. Mohamed Alkhuzamy Aziz	Galala-Egypt. University
35-	Pr. Abdulla Bachir	Syrte University Libya
36-	Dr. Rasha Saber Nofal	Menoufia University Egypt.
37-	Dr. Saadoon Shalal Thahir	Koufa- University Irak
38-	Dr. Fawzi Doumaz	sito dell'Istituto Nazionale di Geofisica e Vulcanologia. Ente di Ricerca, Italy.
39-	Dr Bourboune lamia	Constantine 01 University, Algeria
40-	Dr Bitat Belkassem	Constantine 01 University, Algeria
41-	Dr Khoudour Djamal	M'sila University Algeria
42-	Dr Smeli Ammar	Skikda University Algeria
43-	Dr Mouhoub BELAZZOUG	BBA University, Algeria
44-	Dr Dahou Motassaim	BBA University, Algeria.
45-	Dr Allouni Assia	Université Constantine 01, Algérie

➤ Organizing Committee

➤ President: **Dr Semara Lounis**

➤ Vice President: **Dr Messai chafik**

Membres du Comité d'organisation

- 1- Dr. Belkassmi Farida
- 2- Dr. Bensefia sofiane.
- 3- Dr. Beloula Salima.
- 4- Dr. AIT MECHDAL Mouloud
- 5- Dr. Lazazga A Ali.
- 6- Mr. Fertas Billal.
- 7- Dr. Belgeuri Hamza
- 8- Dr. Bnesfia A Allah.
- 9- Dr. BIBAK Mohamed.
- 10- Dr. NASRI Samir.
- 11- Dr. Allili Dahmane.
- 12- Mr: Chawki Bouzid.
- 13- Dr. Nasri Mariem.
- 14- Dr. Baaziz Naima.
- 15- Dr. Belazzoug A krime.
- 16- Mr:Sadek Tahmi.
- 17- Dr. Chanouf Nadia
- 18- Doctorant : Hicham Zakarya.



The Scientific Club of Faculty SNV-STU.

Problem & objectives.

Since humans adapted to an agrarian lifestyle, technological advances have enabled developments in agriculture that have resulted in improved technical performance, diverse products, and high yields in crop and animal production.

After the revolutions of agricultural mechanization, selection and genetics, a third revolution is taking control of the agricultural world, based on the application of information and communication technologies (ICT) such as sensors and actuators, the Internet of Things (IoT: Internet of Things), artificial intelligence, unmanned aerial vehicles (UAVs, drones).

On the other hand, it can be observed in recent times that the introduction of the use of satellites and advanced forecasting capabilities and big data analytics in the agricultural field has allowed an optimization of the management of agricultural, landscapes and a monitoring of agricultural practices and methods at different scales: plot and field, farm, regional and national agricultural area.

These technological innovations are in the process of reshaping the way agriculture is practiced and this dynamism has made it possible to respond with the appropriate precision to various problems:

knowledge of the spatial distribution of agricultural areas, spatial assessment of land use agriculture and their developments, analysis of the effectiveness of agricultural policy implementation, production management and optimization of agricultural systems, intelligent monitoring of technical interventions and optimization of logistics, forecasting....

These new technologies have enabled the emergence of a modernized agriculture based on artificial intelligence and data: intelligent, precise and digital agriculture.

Les grands axes:

- 1- Information and communication technologies (ICT) Applicable in the agricultural field.
 - 1.1 - Unmanned aerial vehicles (UAVS, drones).
 - 1.2. - The Internet of Things (IOT: Internet of Things).
- 2- Remote sensing and processing of satellite images, GIS at the service of agriculture and the environment....
- 3- Agricultural data, "BIG DATA" forecasting and decision support.
- 4- Intelligent and precision agriculture: case study and testimony:
 - 4.1. Production area.



4.2. Field of protection.

➤ **Conditions to submit items. :**

- The subject of the article must be in one of the themes of the colloquium.
- The submitted intervention must meet the scientific, formal and methodological conditions agreed in the scientific publication.
- Submitted interventions are evaluated by the scientific committee of the symposium
- Priority is given to field studies and original studies.

➤ **Languages of the conference:**

Arabic, English and French.

➤ **Submission of abstracts:**

- Abstracts of articles should be sent to the following email address:
ai.agriculturebba@gmail.com

➤ **Important dates:**

- Deadline for receipt of abstracts: : March 31th, 2023
- Response to abstracts: April 15th 2023
- Deadline for receipt of intervention According to the conditions specified:
April 25th 2023

➤ **Participation fees:**

- Doctoral students 2000 DA.
- Teacher-researchers 2500 DA.
- Permanent researchers 2500 DA.

(Seminar suitcase: Certificate of participation, Program, Notepad...) + Breakfast and coffee breaks.

Online interventions are free

- Guided visit to the region of BBA on May 04th; 2023.
- All interventions are subject to expert review and are published in the journal "Economic researcher" Or in a book with ISSN after the agreement of the researcher.

