



ECOLE NATIONALE SUPÉRIEURE  
POLYTECHNIQUE DE DOUALA  
NATIONAL HIGH POLYTECHNIC  
SCHOOL OF DOUALA



ISM  
Higher Institute for  
Scientific and Medical  
Research

# CONFCAYS 2023

YAOUNDE, 25<sup>TH</sup> - 30<sup>TH</sup> SEPTEMBER 2023

**THEME: Interdisciplinarity, digitalization and technological advancement for sustainable development**

## SUB-THEMES

1. Material Science, Artificial Intelligence, and ICT
2. Data Science, Health, and Nutrition
3. Food and Water Security, Climate and Environment
4. Digital Economy and Development
5. Genetic Resources and Traditional Knowledges
6. Entrepreneurship and Innovation

## Conference registration fees (XAF)

		National Delegates		Foreign Delegates
		Students	Non - Students	
Early Registration ends	15 July 2023	5 000	15 000	100 000
Late registration begins	30 July 2023	10 000	25 000	125 000
On site	25 September 2023	15 000	50 000	150 000

Payment should be made by Mobile Money to +237 671849463. (Cameroon Academy of Young Scientists). **No calls permitted for this number.** Please send a confirmation of payment to the following numbers: +237 676297997 and +237 679841910.

**Cameroon Academy of Young Scientists**

### Table of contents

Purpose _____	1
Specific Objectives and Expected outcomes _____	2
Activities _____	3
Participation and selection _____	5
Scientific Committee _____	5
Organizing Committee _____	7
Abstract Template _____	9

**THEME:**

*Interdisciplinarity,  
digitalization and  
technological  
advancement for  
sustainable  
development*

**Purpose**

The Cameroon Academy of Young Scientists (CAYS) over the years has greatly contributed to seeking operational solutions to fill existing gaps across biological sciences, social sciences, and physical sciences. Access to material science, artificial intelligence, ICT, data science, health, food security, climate, and environment as well as entrepreneurship and innovation just to enumerate a few. This is the 3<sup>rd</sup> annual international conference to be organized by CAYS. This international conference coincides with the 5th anniversary of CAYS. Pre-conference workshops on Science Leadership, Scientific and Grant writing will be organized.

Cameroon, just like any other Country in Africa and the World, is plagued with problems across food, water security, climate and environment, health, ICT, digital economy, and development. But there is a widening gap in knowledge and capacity in being part of the solution and not the problem. Therefore, there is an urgent need to expose early and mid-career scientists to the actual existing problems across sectors and share best practices. Furthermore, how can early and mid-career scientists contribute to the sustainable development amid inherent challenges? Some of these challenges include underdevelopment, poverty and inadequate capital, unfavorable ecosystem, and rising inflation. Obviously, Youth Entrepreneurs help drive change in economies via innovation, creation of new markets with their products and services thereby contributing to national income, growth of other sectors and over-all economic development.

In this regard, the CAYS is organizing the third international conference that will take place from September 28 to 30, 2023 (03 days). This international conference will create platforms for research findings on different sub-themes for participant capacity building and best practices sharing.



## Specific Objectives and expected outcomes

---

### Specific Objectives

- Bring together scientists from different horizons, disciplines and levels (students, early career research scientists and experts) and facilitate discussions and learning sessions through various presentation formats: plenary, oral and poster presentations, roundtables, and workshops.
- Foster interdisciplinarity dialogue to create opportunities for collaborative research;
- Give opportunity to early career researchers and young scientists to disseminate their research, and establish network for professional development;
- Provide an opportunity to enhance knowledge and skills, build capacities of early and mid-career researchers;
- Discuss the challenges and opportunities of digitalization and technological development.

### Expected outcomes

At the end of the workshops and conference, the Cameroon Academy of Young Scientists (CAYS) will empower early and mid-career scientists with advances in their field of research. This 3rd Edition of the international conference which is also CAYS's 5th anniversary shall be given a very wide media coverage and outreach to the social media community through a rigorous communication and visibility plan.

**Event date:** Pre-conference 25th - 27th September 2023 and conference 28th - 30th September 2023.

**Venue:** Higher Institute for Scientific and Medical Research (ISM), Yaoundé, Cameroon



## Activities

- ✚ Concurrent workshop sessions
- ✚ Opening ceremony with keynotes address
- ✚ Plenary sessions
- ✚ Concurrent parallel sessions
- ✚ Collaboration and networking sessions during poster presentation
- ✚ Virtual session
- ✚ Gala Night
- ✚ Excursion
- ✚ Closing ceremony with resolutions/recommendations

### Conference sessions/events and topics

Objectives	Events/Sessions	Topics
1. Organize a three-day concurrent workshop with 100 early and mid-career researchers	Science leadership, scientific and grant writing for early and mid-career researchers	Science leadership, mentoring, Scientific writing, grant writing, funds seeking, CV elaboration, motivation letters and science communication
2. Organize concurrent parallel sessions for 2 days	Concurrent parallel sessions on the sub-themes of the conference	<ul style="list-style-type: none"> <li>- Material Science, Artificial intelligence, and ICT</li> <li>- Data Science, Health, and nutrition</li> <li>- Food and Water Security, Climate and Environment</li> <li>- Digital Economy and Development</li> <li>- Genetic resources and traditional knowledge</li> <li>- Entrepreneurship and Innovation</li> </ul>
3. Organize a three-day international conference for approximately 500 participants in September 2023	Keynote address, plenary and concurrent parallel sub-theme sessions	<p><b>Keynote address topic:</b></p> Interdisciplinarity, digitalization and technological advancement for sustainable development
4. Organize a gala night	A gala on the second day of the conference (5:30-9:30pm) to relax	Live Music Dance
5. Organize an excursion	Excursion to Botanical Garden, different touristic sites in Yaoundé	Excursion



## Participation and selection

This event will be hybrid and will bring together more than 500 national and international participants, including Master and PhD students, postdoctoral researchers, lecturers, researchers, government officials, NGO's etc.

### Call for speakers

Approximately 80 speakers, sessions and events moderators will facilitate this event. These will include CAYS members; lecturers, researchers, Postdoctoral researchers from Cameroon and other young academies in Africa, government officials, people from national and international NGO's. About 25% (20) of high caliber speakers and some representatives will be directly contacted, whereas 75% (60) speakers will be selected through a recruitment process.

**Program Partners:** Names and type of involvement of key partner organizations

	Name	Level of involvement
1	Cameroon Academy of Young Scientists	Organizers
2	Higher Institute for Scientific and Medical Research (ISM)	host/venue
3	Cameroon Academy of Sciences	Implementing partners
4	Ministry of Scientific Research and Innovation	Implementing partners
5	Institute of Medical Research and Medicinal Plants Studies	Implementing partners
6	National Higher Polytechnic School Douala	Implementing partners
7	National Committee for Technical Development	Implementing partners



---

## Scientific committee

---

### Chair

Prof. TONJOCK Rosemary KINGE, The University of Bamenda, Bamili, Cameroon.

### Vice-Chair

Prof. Marceline DJUIDJE NGOUNOUE, University of Yaounde 1, Yaoundé, Cameroon.

### Members

Prof. Patrice ELE ABIAMA, CNDT, MINRESI, Yaoundé, Cameroon;

Prof. Raoul EHODE ELAH, CNE- MINRESI, Yaoundé, Cameroon;

Prof. Brice TCHAKAM KAMTCHUENG, IRGM -MINRESI, Yaoundé, Cameroon;

Prof. Carole NOUAZI, CNE, MINRESI, Yaoundé, Cameroon;

Prof. Rémy Bertrand TEPONNO, University of Dschang, Dschang, Cameroon;

Prof. Edouard NANTIA AKONO, The University of Bamenda, Bamili, Cameroon;

Prof. Moses SAMJE, The University of Bamenda, Bamili, Cameroon;

Prof. Felix MEUTCHIEYE, University of Dschang, Cameroon;

Prof. Jean Aimé MBEY, University of Yaounde 1, Yaoundé, Cameroon;

Prof. Katamssadan TOFEL HAMAN, University of Bertoua, Bertoua, Cameroon;

Prof. Valerie MAKOGÉ, IMPM, MINRESI, Yaoundé, Cameroon;

Prof. Paul ANIMBOM, The University of Bamenda, Bamili, Cameroon;

Prof. Eric NDOH NDIKUM, The University of Bamenda, Bamili, Cameroon;

Prof. Gerald NGO TEKE, The University of Bamenda, Bamili, Cameroon;

Prof. Magatte NDIAYE, University Cheikh Anta Diop, Dakar, Senegal;



Prof. Célestine NKOUNKOU LOUMPANGOU épouse NGOMA,  
Université Denis SASSOU N'GUESSO, Kintélé, Congo;  
Prof. Victorien TAMEGNON DOUGNON, University of Abomey-Calavi,  
Benin;  
Dr. Hugues. C. NANA DJEUNGA, ISM, Yaoundé, Cameroon;  
Dr. Justine Germe NZWEUNDJI, IMPM-MINRESI, Yaoundé,  
Cameroon;  
Dr. Godswill NTSOMBOH NTSEFONG, University of Yaounde 1,  
Yaoundé, Cameroon;  
Dr. Nsahlai Loveline KONGLA, The University of Bertoua, Bertoua,  
Cameroon;  
Dr. Noé Patrick M' BONDOUKWÉ, Université des Sciences de la Santé,  
Libreville, Gabon;  
Dr. Suiven John Paul TUME, The University of Bamenda, Bamili,  
Cameroon;  
Dr. Christophe HAOUVANG LABA, IFAD, Tchad;  
Dr. Jean Claude KATTE - MINSANTE, Yaoundé, Cameroon;  
Dr. Simon Pierre PETNGA NYAMEN, The University of Bertoua,  
Bertoua, Cameroon;  
Dr. David NIYUKURI, OMS, Burundi;  
Dr Luria Leslie FOUNOU, CEDBCAM-RI, Yaoundé, Cameroon.





---

## Organizing Committee

---

### *Chair*

Prof. MENGNJO Jude WIRMVEM, IRGM- MINRESI, Yaoundé, Cameroon.

### *Co-Chair*

Prof. Brice TCHAKAM KAMTCHUENG, IRGM- MINRESI, Yaoundé, Cameroon.

### *Members*

Prof. Ruben MOUANGUE, University of Douala, Douala, Cameroon;

Prof. TONJOCK Rosemary KINGE, The University of Bamenda, Bamili, Cameroon;

Prof. Josephine NGO MBING, University of Yaounde 1, Yaoundé, Cameroon;

Prof. Nehemie DONFAGSITEI TCHINDA, IMPM-MINRESI Yaoundé, Cameroon;

Prof. Valerie MAKOGÉ, IMPM, MINRESI, Yaoundé, Cameroon;

Prof Paul ANIMBOM NGONG, The University of Bamenda, Bamili, Cameroon;

Prof. Raoul EHODE ELAH, CNE- MINRESI, Yaoundé, Cameroon;

Dr. Justine Germe NZWEUNDJI, IMPM-MINRESI, Yaoundé, Cameroon;

Dr. Godswill NTSOMBOH NTSEFONG, University of Yaounde 1, Yaoundé, Cameroon;

Dr. NS AHLAI Loveline KONGLA, The University of Bertoua, Bertoua, Cameroon;

Dr Constantine KOUANKEM, The University of Bertoua, Bertoua, Cameroon;

Dr. Hugues. C. NANA DJEUNGA, ISM, Yaoundé, Cameroon;

Dr Armelle TSAMO TONTSA, University of Yaoundé 1, Yaoundé, Cameroon.



---

## Secretariat

### *Chair*

Prof. Valerie MAKOGÉ, IMPM, MINRESI, Yaoundé, Cameroon.

### *Members*

2. Dr. Godswill NTSOMBOH NTSEFONG, University of Yaounde 1, Yaoundé, Cameroon;
3. Dr. Astride DJABOU, University of Dschang, Dschang, Cameroon;
4. Dr Emilia LYONGA, University of Yaounde 1, Yaoundé, Cameroon.

### *Communication and Publicity*

#### *Chair*

Prof Paul ANIMBOM NGONG, The University of Bamenda, Bambili, Cameroon.

## Abstract Template CONFCAJ\_2023

Author<sup>1</sup>, Author<sup>2</sup>, Author<sup>3</sup>

<sup>1</sup>Affiliation author 1

<sup>2</sup>Affiliation author 2

**\*Corresponding author:** [email@confcays2023.com](mailto:email@confcays2023.com)

A concise and informative abstract recalling the main finding of the study not exceeding 500 words [1]. The references (if included) should be indicated in the text by a number in square bracket [2]. The text should be typeset as a single paragraph in Time New Roman, Case 12, Normal margins (2.5 cm) and line spacing 1.5. A brief list of reference (case 11) should be included and the end following the formatting indicated in this template. The oral presentation should be for 15 min followed by a 5 min exchange with the audience. Poster dimensions should be A<sub>0</sub>. The seminar languages are English and French and will be proceed in the abstract book in both languages. The presenting author should be underlined in the list of authors. The submitting author should name the document as follow: **author NAME\_abstractCONFCAJ2023-SX\_oral** or **author NAME\_abstractCONFCAJ2023\_SX\_poster** depending of the type of presentation requested. The "SX" refer the session the author is postulating for. Hence the 'SX' could be SA or SB or SC regarding the various conference sessions.

### References

- [1] J.A Mbey, S. Coulibaly and Kamgang Youbi, (2018), *J. Appl. Chem.* vol (n°), 111.
- [2] J. Ketcha and J.R. Mache, (2019), Two decades of clay sciences in Cameroon, In *Minerals resources in Cameroon*, Ndjigui (ed), 23-35, Yaoundé University Press, Yaoundé.
- [3] E. Sababa, Professionalization in Cameroonian University, MaGnaN Edition, Yaoundé, 105p.

### Registration modality

Mobile money (MOMO) number for registration purposes: **+237 6 71 84 94 63** Name (Cameroon Academy of Young Scientists)

Contact number for payment confirmation: WhatsApp: **+237 676297997** and **+237 679841910**.

### Deadline:

- 1) Abstract submission: **July 15<sup>th</sup>, 2023**
- 2) Decision on Abstract submission: **August 1<sup>st</sup>, 2023**
- 3) Final paper submission for proceeding or publication to the Journal of the Cameroon Academy of Sciences (JCAS): **September 15<sup>th</sup>, 2023**