

Approved on ____/____/2025

The Rector

Prof. Dr. Mário J. Brito dos Santos
/Professor Associado/



**ROVUMA UNIVERSITY
SCIENTIFIC DIRECTORATE**

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TERMS OF REFERENCE

INTERNATIONAL CONGRESS ON SCIENCE, TECHNOLOGY AND DEVELOPMENT

"Contributions of Science and Technology to the Building of a Sustainable World"

"

Organiser: Scientific Directorate

October 2025

1. CONTEXTUALISATION

Rovuma University (UniRovuma) is a public higher education institution established under Decree No. 7/2019 of 18 February, within the framework of the restructuring process of higher education in Mozambique. The International Congress on Science, Technology and Development (CICTED) of Rovuma University serves as a platform for the exchange and dissemination of scientific research findings.

The Strategic Plan of Rovuma University (2023–2032) is aligned with the National Policy on Science, Technology and Innovation and with Law No. 1/2023 of 17 March, which regulates Higher Education in the Republic of Mozambique. It is important to note that higher education institutions (HEIs) must integrate teaching with research—both in scope and quality—in order to enhance the standard of education and contribute to finding solutions to societal challenges.

The organisers of the International Congress on Science, Technology and Development (CICTED) acknowledge the vital role of science and technology in social and economic development, as well as their contribution to innovation and the improvement of people's quality of life. Science seeks to understand reality, while technology enables the practical application of knowledge to provide solutions and improve processes.

These Terms of Reference (ToR) are intended to guide the organisation of the International Congress on Science, Technology and Development (CICTED). In addition to (i) Contextualisation, this document includes (ii) the Objectives of the Congress, (iii) Expected Results, (iv) Thematic Areas, (v) Event Methodology, (vi) Participants, (vii) Registration, (viii) Contact Persons, (ix) Submission of Papers, and (x) Templates. This structure is therefore designed to guide the implementation of the event in accordance with the principles of scientific quality that underpin the mission of Rovuma University.

2. OBJECTIVES OF THE CONGRESS

- To disseminate research in the fields of science and technology conducted in Mozambique and abroad;
- To discuss knowledge related to the application of science and technology in the socio-economic sector;
- To debate the role of artificial intelligence within the current socio-economic context;
- To share successful experiences in the areas of science, technology, and development.

3. EXPECTED RESULTS

- Dissemination of research in the fields of science and technology conducted in Mozambique and abroad;
- Discussion of knowledge related to the application of science and technology in the socio-economic sector;
- Debate on the use of artificial intelligence in the current socio-economic context;

- Sharing of successful experiences in the areas of science, technology, and development.

4. THEMATIC AREAS

(i) Science and Technology for Sustainable Development

- Agriculture and food security;
- Application of technology in the health sector;
- Information and communication technology;
- Digital transformation and Industry 4.0;
- Artificial intelligence in teaching and research;
- Financing and policies for science and technology.

(ii) Territory, Population, Economy, and Development

- Territorial dynamics and socio-economic inequalities;
- Contemporary population dynamics;
- Spatial and land-use planning;
- Demographic transition and the labour market;
- The blue economy and marine resources;
- Social sciences and humanities in development.

(iii) Climate Change and Biodiversity Conservation

- Vulnerabilities and adaptation of biodiversity;
- Biodiversity dynamics;
- Forecasting and modelling scenarios for climate change and biodiversity;
- Climate resilience, natural resources, and the blue economy.

(iv) Industrialisation and Development

- Circular economy and industrial waste management;
- Public policies and regulation for industrial decarbonisation;
- Energy transition;
- Renewable energies and their advantages for Mozambique.

(v) Education in STEM

- Teacher training competencies for the twenty-first century;
- ICT and digital skills in schools;
- Models for the teaching and learning of science and engineering in Mozambique;
- Digital resources and school management;
- Gender, youth, and inclusion in STEM.

(vi) Cybersecurity

- Foundations and policies of information security;
- Protection of critical infrastructures and networks;
- Cryptography and data protection technologies;
- Cybercrime and digital investigation;
- Cybersecurity in emerging environments and capacity building in digital safety.

5.5. METHODOLOGY

5.1. Guidelines for the Submission and Presentation of Papers at the International Congress on Science, Technology and Development (CICTED)

To participate with scientific papers in the International Congress on Science, Technology and Development, researchers must complete an application form available on the Rovuma University website: www.unirovuma.ac.mz.

Each researcher may choose from various presentation formats, such as round tables, panels, oral communications, and posters. Each duly registered participant may present up to two papers as the first author, and may also appear as a co-author on other papers. Each paper may include a maximum of seven (7) co-authors.

a) Round Table / Plenary Session

Abstracts must be between 250 and 300 words, single-spaced (1.0), in Times New Roman, font size 12, and must follow the structure provided on the Rovuma University website (Introduction, Objectives, Methodology, Results, and Conclusions).

Full papers must be submitted using the official template available on the Rovuma University website.

In the case of a round table, individual communications should be submitted separately, indicating the title of the round table to which the author wishes to contribute. Each speaker will have 25 minutes for the presentation and 30 minutes for the panel discussion.

b) Oral Presentation

Oral presentations will take place in parallel sessions according to the thematic area chosen by the author at the time of registration. Each presentation will last 15 minutes, followed by 10 minutes for discussion.

c) Poster Presentation

Poster presentations may be delivered by the author or one of the co-authors. Posters may be presented in digital or printed format. Each poster presentation will have 5 minutes for presentation and 5 minutes for discussion.

5.2. Date and Venue of the Congress

The congress will take place on **16 and 17 September 2026** at the **Cultural Centre of Rovuma University**, in the city of **Nampula**.

6. PARTICIPANTS (TARGET AUDIENCE)

It is expected that around **700 national and international researchers** will participate, including **lecturers and students** (both postgraduate and undergraduate) from **Rovuma University** and other **Mozambican and foreign universities**.

7. REGISTRATION

Researchers whose papers have been accepted, as well as attendees, are required to make payment according to **Table 1 below**. For group submissions, the payment must be made by the **main presenter**.

Table 1: Registration fees for congress participants

Type of Participant / Expense	Fee (in Meticaís)	
	Nacional	International
Undergraduate student (with presentation)	200,00	500,00
Postgraduate student (with presentation)	500,00	1000,00
Attendees (in-person and online)	500,00	1000,00
Lecturers and researchers (with presentation)	1000,00	2000,00
Closing dinner	1000,00	2000,00
Excursion to Mozambique Island or visit to Nairuco	1500,00	3000,00

N.B. (i) Students must provide proof of enrolment/registration at a higher education institution (HEI).

(ii) Bank Details:

Account Holder: Rovuma University – Postgraduate Courses

Account Number: 20682844510001

Currency: MZM (Mozambican Metical)

NIB: 000800000682844510113

NUIB: 202200003282235

SWIFT Code: CGDIMZMA

8. CONTACT PERSONS

For further information and/or clarification, please contact the **CICTED Organising Committee** at:

Email: cicted@unirovuma.ac.mz

Mobile: +258 878 022 105 / +258 846 121 490

WhatsApp: +258 844 306 559

9. SUBMISSION OF PAPERS

Important Dates – Submission of Round Table Proposals, Oral Presentations, and Posters

- **15/11/2025** – Start of abstract submission
- **31/01/2026** – Deadline for abstract submission
- **28/02/2026** – Notification to authors
- **25/03/2026** – Deadline for submission of revised abstracts
- **30/03/2026 – 30/05/2026** – Payment of registration fees and issuance of acceptance letters to researchers
- **30/06/2026** – Deadline for submission of full papers (complete texts of presentations)
- **30/07/2026** – Notification to authors regarding peer review comments
- **30/08/2026** – Deadline for submission of revised full papers
- **14/09/2026** – Publication of the Book of Abstracts
- **16–17/09/2026** – International Congress on Science, Technology and Development
- **30/11/2026** – Publication of the Proceedings of the International Congress on Science, Technology and Development

10. TEMPLATES

10.1. Abstract Template

The following formatting and mandatory elements must be observed:

- **Title:** Place at the top of the first page. Use Times New Roman, font size 14, line spacing 1.5, centred, and bold.
- **Author Name(s):** Insert below the title. Use Times New Roman, font size 10, centred, line spacing 1.0, and not bold.
- **Affiliation:** Present immediately below the author name(s), including the author(s)' email address(es). Use Times New Roman, font size 10, centred, line spacing 1.0.
- **Abstract:** Present in a single paragraph of 250–300 words. Use Times New Roman, font size 12, line spacing 1.0, and justified alignment.
- **Keywords:** Include a list of three to five relevant and specific keywords related to the proposed work.

Title of the Abstract (maximum fourteen words)”

Name (Author 1), Name (Author 2), Name (Author 3), Name (Author 4)...

1. Author Affiliation and Email

If there are multiple authors with the same affiliation, it is recommended to use the **same number and text** for the affiliation.³

Abstract

The abstract must be written in Portuguese or English and should include the following elements: a brief Introduction that provides context and states the research objective, the Methodology, Results, and the main Conclusions. The abstract must not contain citations and should be presented on a single page as a single paragraph.

Keywords: Keyword 1, Keyword 2, Keyword 3, Keyword 4, Keyword 5

10.2. Full Paper / Manuscript Template

Manuscripts must not exceed 16 pages, including references at the end of the text.

The content of the manuscript must follow the formatting guidelines below:

- Main text: The body of the text should be written in Times New Roman, font size 12, line spacing 1.5.
- Headings and subheadings: These should follow the formatting provided in this document and be numbered with Arabic numerals (1, 2, 3...), in bold, and justified.
- Figures (graphs, flowcharts, etc.): Preferably centre-aligned, with a numbered caption below the figure, and the source indicated. Use Times New Roman, font size 10, as in the example below.
- Tables: Tables must use vertical lines only, be centre-aligned, with a numbered title above and the source below. Use Times New Roman, font size 10, as illustrated in the example below.

Illustrative Example of Figure Presentation.



Figure 1: Congress Logo

Source: International Congress on Science, Technology, Innovation, and Development

Citations and References

In-text citations must follow the **international format of the American Psychological Association (APA), 7th edition**. Only sources cited within the manuscript may be included in the **reference list**, which should appear at the end of the document. References must be formatted

according to **APA guidelines**, using **Times New Roman**, **font size 12**, **regular**, and presented in **alphabetical order by author**.

Manuscripts written in **Portuguese or English** must include **abstracts in both languages**: Portuguese and English.

Title of the Article (maximum fourteen words)

Name (Author 1), Name (Author 2), Name (Author 3), Name (Author 4) ...

1. Author Affiliation and Email

If multiple authors share the same affiliation, it is recommended to use the same number and text for the affiliation.

Abstract

The abstract must be written in Portuguese or English and should include the following elements: a brief Introduction providing context and stating the research objective, the Methodology, Results, and main Conclusions. The abstract must not contain citations and should be presented on a single page as a single paragraph.

Keywords: Keyword 1, Keyword 2, Keyword 3, Keyword 4, Keyword 5

1. Introduction

In this section, the researcher(s) should consider the following elements:

Establish a context for the study/research:

- Demonstrate why the topic is important
- Provide background/context

Establish a niche:

- Identify gaps, limitations, or unresolved issues
- Present counter-arguments or challenges to existing knowledge

Occupy the niche:

- State the aim and objectives of the study
- Announce the research question or hypothesis
- Provide an outline of the article structure

2. Methodology

In this section, the researcher(s) should consider the following elements:

- **Research design:** qualitative, quantitative, mixed methods, case study, etc.
- **Data collection methods:** e.g., surveys, interviews, archival or documentary sources
- **Sampling:** who or what was studied, and why
- **Instruments/tools used**
- **Data analysis techniques**
- **Ethical considerations**

3. Results and Discussion

Results:

In this section, the researcher(s) should consider the following:

- Presentation of results (facts, numbers, evidence)
- Use of tables, graphs, statistics, quotations, as needed
- Organised around the research questions or themes
- **No interpretation yet** — only the data

Discussion:

- Interpretation of results (what they mean in context)
- Comparison with previous research
- Theoretical implications (how the findings relate to the theoretical framework used)
- Practical implications (relevance to real-world contexts)
- Alternative explanations
- Study limitations
- Suggestions for future research

4. Conclusions / Final Considerations

In this section, the researcher(s) should consider the following:

- Concisely reaffirm the main findings
- Summarise the key contributions (the “so what?” of the study)
- Highlight relevance and implications
- Provide recommendations, if applicable

Acknowledgements (Optional):

Any acknowledgements should be presented in a separate, unnumbered section, **before the references**.

References

Book: Surname, I., & Surname, I. (2015). *Title of the book*. City: Publisher.

Chapter or article in a book:

Surname, U. (2005). Title of the chapter or article. In I. Surname, M. Surname & H. Surname (Eds.), *Title of the book* (pp. 95–116). City: Publisher.

Journal article:

Surname, I. (2010). Title of the article: Subtitle. *Journal Name*, 3(4), 1–14.

Conference proceedings article:

Surname, I., & Surname, I. (2014). Title of the article. In I. Surname, I. Surname & I. Surname (Eds.), *Proceedings of XXXXXXXXX* (pp. 137–143). City: Publisher.

Thesis / Scientific monograph or internship report / Undergraduate dissertation:

Surname, G. (2018). *Title of the work*. Master's thesis, Institution, City, Country.

Digital document:

Surname, I., Surname, I., & Surname, L. (2023). *Title of the text*. Accessed on day-month-year. Available at: <http://www.xxxxxxxxxxxx>

Organising Committee

1. Prof. Doutor Mário Jorge Brito dos Santos – Universidade Rovuma-Moçambique – (Coordenador Geral).
2. Prof. Doutor Ibraimo Hassane Mussagy – Universidade Rovuma-Moçambique- (Vice-Reitor Académico)
3. Prof. Doutor José dos Santos Baptista – Universidade Rovuma-Moçambique- (Vice-Reitor Administrativo)
4. Prof. Doutor Vanito Viriato M. Frei – Universidade Rovuma-Moçambique – (Coordenador-Adjunto).
5. Prof. Doutor Manecas Cândido Azevedo – Universidade Rovuma-Moçambique.
6. Prof. Doutor Júlio Ambrósio Masquete – Universidade Rovuma-Moçambique.
7. Prof. Doutor Geraldo Jamisse Hodela – Universidade Rovuma-Moçambique.
8. Prof. Doutor Calawia Salimo – Universidade Rovuma-Moçambique.
9. Prof.^a Doutora Celina Bahule – Universidade Rovuma-Moçambique.
10. Prof. Doutor Zacarias Rosalina João da Silva – Universidade Rovuma-Moçambique

11. Mestre Jenete Azizi – Universidade Rovuma-Moçambique
12. Mestre Crissantos Arnaldo Matias Reveque – Universidade Rovuma-Moçambique.
13. Mestre Ivenso da Silva V. Sualehe – Universidade Rovuma-Moçambique.

Nampula, October 2025

The Coordination

Prof. Doutor Vanito Viriato M. Frei
/ Scientific Director/