

Proposal for a Collective Volume (Festschrift)

Submitted to: SPAS-EDS Publishing Platform

Date: March 3, 2026

1. Proposed Title

Mathematical Sciences for Development: A Festschrift in Honour of Professor Kokou TCHARIE

2. Project Type

Collective Volume (Edited) – Festschrift Tribute.

3. Honoree Biography & Rationale for the Volume

This volume is a formal academic tribute to Professor Kokou TCHARIE, a foundational pillar of mathematics in Togo and West Africa. His monumental career is marked by several historic firsts:

- The first Togolese national to attain the rank of Full Professor of Mathematics within the public universities of Togo.
- The founder of the Togolese Mathematical Society.
- A key architect in building the mathematics department at the University of Kara.
- A mentor to numerous doctoral graduates, directly shaping the nation's scientific capacity.

This Festschrift seeks to immortalize his legacy by curating a landmark collection of research that reflects his wide-ranging influence. It aligns perfectly with SPAS-EDS's mission of "Publishing African Mathematics for the World," showcasing the vibrant scientific community nurtured by his lifelong dedication.

4. Aims, Scope, and Thematic Focus

The volume aims to celebrate Professor Tcharie's impact by gathering high-quality, peer-reviewed contributions that engage with the broad intellectual domains he helped foster. It will serve as both a scholarly reference and an inspiration for future generations.

Thematic areas include, but are not limited to:

- **Foundations and Applications of Mathematics**
 - Pure and applied mathematics (including algebra)
 - Mathematical physics
 - Statistics, probability, and decision theory

- **Computation, Data, and Artificial Intelligence**
 - Scientific computing, modeling, and data science
 - Artificial intelligence and its mathematical foundations
- **Mathematics, Education, and Societal Transformation**
 - Mathematical didactics, pedagogy, and curriculum innovation
 - Mathematics in digital transformation and public service efficiency

5. Target Audience

- Researchers and graduate students in mathematical sciences across Africa and globally.
- Academics interested in the development of science in Africa.
- Institutions and libraries building collections on foundational sciences and development.

6. Editorial and Advisory Structure

This project is managed by a dedicated editorial team comprising established scholars who represent key areas of the mathematical sciences in Togo.

- Editor-in-Chief: **Dr. Tchilabalo Abozou KPANZOU**, Professor of Statistics, University of Kara, Togo.
- Advisory Committee: To ensure academic rigor and strategic guidance, the project is supported by:
 - ✓ **Prof. Moussa Zakari DJIBIBE**, Full Professor of Partial Differential Equations, University of Lomé, Togo.
 - ✓ **Prof. Yaogan MENSAH**, Full Professor of Harmonic Analysis, University of Lomé, Togo.
 - ✓ **Dr. Nadjime PINDRA**, Professor of Mechanics, University of Lomé, Togo.
- International Scientific Committee: A distinguished panel will oversee the double-blind peer-review process, guaranteeing the volume's high academic standard (names to be confirmed). The project is organized under the aegis of the Laboratoire de Modélisation Mathématique et d'Analyse Statistique Décisionnelle (LaMMASD) at the Université de Kara.

7. List of Confirmed/Potential Contributors:

A public Call for Papers has been disseminated internationally. Contributions are expected from Professor Tcharie's extensive network of former students, collaborators, and admirers across Africa and beyond. The response will be curated to ensure a balanced and high-quality volume.

8. Timeline and Manuscript Status:

- Deadline for Full Paper Submission: June 15, 2026.

- Notification of Outcome: Within 30 to 40 days after submission.
- Final Revised Paper Due: Maximum 7 days after notification.
- Publication of the Volume: August 2026.

9. Publication Details:

- Estimated Extent: 250-400 pages.
- Number of Chapters: 15-30 peer-reviewed articles.
- Languages: Abstracts in English and French; main text in English.
- Indexing: Planned for inclusion in the MathSciNet-indexed SPAS Book Series, a key factor in ensuring international visibility.

10. Project Model & Financial Plan:

The project operates on a sustainable academic model. An Article Processing Charge (APC) will be applied to accepted papers to cover the core costs of professional copy-editing, typesetting, and production, ensuring the volume meets high publication standards. The organizing laboratory (LaMMASD) is providing logistical and administrative support.

11. Why This Volume is a Fit for SPAS-EDS:

This project embodies the core values of SPAS-EDS:

- It showcases African leadership in science, celebrating a pioneer who built institutions within the public university system.
- It promises high academic standards through a rigorous, committee-led review and a unique validation workshop.
- It seeks international visibility via the MathSciNet-indexed SPAS Book Series.
- It is a collaborative, community-driven effort organized from within the African academic ecosystem.
- It will result in a permanent, indexed scholarly record that inspires future African mathematicians.

Submission Prepared By:

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