



MINERAL PROCESSING AND TECHNOLOGY RESEARCH CENTRE

DEPARTMENT OF METALLURGY

Dear Colleagues,
Greetings,

The Mineral Processing and Technology Research Centre is cordially inviting you to the inbound and SADC regional seminar presentation by Mr. Seke Vangu Max and Ms. Kapinga Kabulwe Sharon both from the Department of Physics and Technology, Faculty of Sciences, University of Kinshasa, Democratic Republic of Congo. The seminar will be held on Tuesday 13 May 2025 at 10h30 in the metallurgy board room, second floor, Maropeng building of the Doornfontein campus, University of Johannesburg.

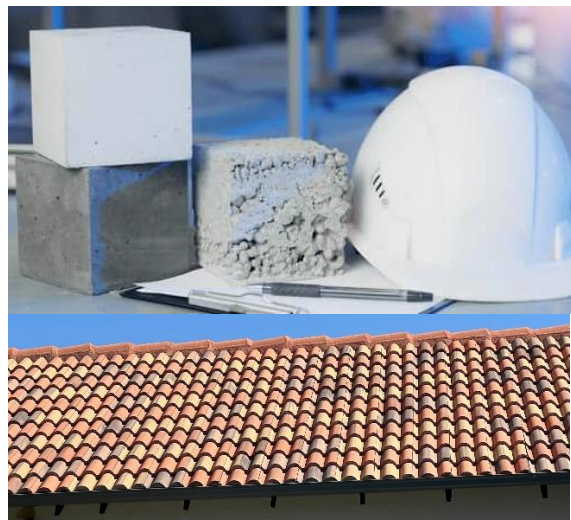
The topic of the presentation is:

Study of Basaltic Cementitious Materials and Calcined Clays

Presenters and products



Seke Vangu Max, physicist, is a lecturer and PhD student at the University of Kinshasa (UNIKIN). He is renowned for his groundbreaking research in materials science. He specializes in pozzolanic cements made from reactive natural rocks such as basalt, metabasalt, dolerite, and thermally activated kaolinitic and illitic clays. His work has earned him national recognition, including the **ASL Medal** (Arts, Sciences, and Letters). Max is also a cement consultant, collaborating with major companies such as **Heidelberg Materials DRC** and **PPC-Barnet DRC**. He shared his research at the **CSIR Summit**, highlighting the importance of sustainable materials for infrastructure development. Max will participate in the **ICCCSC 2026** in **Cape Town**, where he will discuss the challenges and opportunities of ecological cement materials in the context of responsible industrialization.



Kapinga Kabulwe Sharon, physicist in training at the University of Kinshasa (UNIKIN), is currently pursuing a **Master's degree in physics**, specializing in cement materials. She focuses on pozzolanic cements derived from reactive natural rocks such as basalt, metabasalt, dolerite, and thermally activated kaolinitic and illitic clays. An ambassador for the University of Kinshasa, Sharon is leading an innovative project exploring the use of these materials as shielding against ionizing radiation. She presented her research at the **CSIR Summit**, where she explored the applications of these materials for sustainability and protection. Sharon will also participate in the **ICCCSC 2026** in **Cape Town**, where she will discuss the impact of these materials in environmental and industrial sectors.

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