

# Paper Submission Form - SAIP2025 Proceedings

Sections A, C, D, and E must be completed by all authors (including students) who submit papers. Section B is compulsory for students who submit manuscript(s).

## Section A: Paper Submission Information

Paper/Abstract ID	#502
Paper title	Radiation contamination in gold mine tailings soil samples using HPGe gamma spectrometry
Corresponding Author Name & Surname:	M.J. Mvelase
Corresponding Author Email Address:	emjay.mvelase@gmail.com

## Section B: For Students & Supervisors

Supervisor Name & Surname:	Prof. S.S. Ntshangase
Supervisor Email Address:	NtshangaseS@unizulu.ac.za

For this paper, the supervisor must agree/disagree with the following statements.

	Yes	No
1. I am aware that the above-mentioned paper is being submitted for possible publication in the Proceedings of the SAIP Conference. I am satisfied that the presented work is that of the listed authors. I hereby give consent to the submission	Yes	
2. I have proof-read the manuscript	Yes	
3. I am satisfied that the manuscript is written in appropriate English and is sufficiently free of grammatical and spelling errors	Yes	
4. I am familiar with the required manuscript format ("House Style"), and I am satisfied that this manuscript meets the criteria. I am aware that manuscripts not conforming with House Style may be desk rejected	Yes	
5. I am satisfied that the scientific content of this manuscript is of sufficient standard for it to be considered for publication in the Proceedings of the South African Institute of Physics Conference Proceedings	Yes	

Student Name & Surname: ...MJ..Mvelase..... Signature:  Date: ...28/07/2025..

Supervisor Name & Surname: ...S.S..Ntshangase..... Signat  Date: ...28/07/2025..

## Section C: Suggested Reviewers

Obtaining the two referee reports necessary for DHET subsidy is an onerous task.

Please provide the names and contact details of three qualified South African and/or international referees. Referees should have a PhD and expertise in the relevant area of Physics. Do not recommend referees who have co-authored a work with any of the authors on the manuscript within the past five (5) years. Manuscripts without three recommended referees may be subject to desk rejection.

Suggested Reviewers in your Research Field (Both local & international)		
	Reviewer Names & Surname	Reviewer's Email Address(es)
Suggested reviewer #1	Dr. Felix Brutus Masok	felixmasok@plasu.edu.ng
Suggested reviewer #2	Prof. R. Lindsay	rlindsay@uwc.ac.za
Suggested reviewer #3	Dr. NB Mbatha	Nmbatha@csir.co.za

## Section D: Declaration of Novelty and Use of AI

How is this submitted manuscript scientifically novel?

We cannot take radiation exposure for granted, especially when it manifests itself as dust. Other studies in the literature claim that the uranium contamination was left on the surface by gold mining. The soil samples were collected from gold mines tailings, which are rarely documented in the literature. There is always a shortage of space around big cities, and people build informal shelters in places they find, such as riverbanks or near the waste sites. The data can be extrapolated to model contamination in other gold mine tailings that have not yet been studied, which will broaden our understanding. These data were obtained for the manuscript using advanced gamma spectroscopy techniques.

Please see the [Author Guidelines for the AI use policy](#).

How was AI used in the generation of this manuscript?

This work was not created by a robot, but in the style of literature. The writing style is comparable to that of many other research works in the same field. Grammarly makes recommendations as you type, especially on Latex, and these suggestions are usually correct, especially when it comes to grammatical issues. Grammarly has made recommendations here and there.

## Section E: Plagiarism

	Yes
I am aware that plagiarism detection software may be used on my manuscript.	Yes