

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 | 162 |
| Paper title | Optimisation-Deposition and Conversion of Lead Halide Thin Films to 2D Metal Halide Perovskite Thin Films via Low-Pressure CVD |
| Corresponding Author Name & Surname: | MLA Letswalo |
| Corresponding Author Email Address: | letswalom@uj.ac.za |

Section B: For Students & Supervisors

| | |
|----------------------------|--------------------|
| Supervisor Name & Surname: | MLA Letswalo |
| Supervisor Email Address: | letswalom@uj.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 | X | |
| 2. I have proof-read the manuscript | X | |
| 3. I am satisfied that the manuscript is written in appropriate English and is sufficiently free of grammatical and spelling errors | X | |
| 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 | X | |
| 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 | X | |

Student Name & Surname: Mongezi Mthimkulu

Signature: 

Date: 31/07/2025

Supervisor Name & Surname: Dr MLA Letswalo

Signature: 

Date: 31/07/2025

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 | RE Kroon | kroonre@ufs.ac.za |
| Suggested reviewer #2 | ZN Urgessa | Zelalem.Urgessa@mandela.ac.za |
| Suggested reviewer #3 | DD Sarma | Sarma@iisc.ac.in |

Section D: Declaration of Novelty and Use of AI

How is this submitted manuscript scientifically novel?

This study provides insight on the synthesis of stable two-dimensional (2D) metal halide perovskite (MHP) thin films through low-pressure chemical vapour deposition; a technique less used in 2D MHP thin films. The presence of the lead iodide peak reveals important reaction kinetics during the conversion process. The study showed that the lower temperature is more suitable for obtaining higher-quality 2D MHP thin films, contributing knowledge of further optimisation of the 2D MHP.

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

How was AI used in the generation of this manuscript?

AI was for grammar corrections.

Section E: Plagiarism

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