

# 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	252
Paper title	Effect of solvents on the extraction and absorption study of natural dye from <i>Bidens pilosa</i> for dye-sensitized solar cells
Corresponding Author Name & Surname:	Ronel Ronella Randela
Corresponding Author Email Address:	ronelronella.randela@univen.ac.za

## Section B: For Students & Supervisors

Supervisor Name & Surname:	Prof Eric Maluta
Supervisor Email Address:	Eric.Maluta@univen.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	✓	
2. I have proof-read the manuscript	✓	
3. I am satisfied that the manuscript is written in appropriate English and is sufficiently free of grammatical and spelling errors	✓	
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	✓	
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	✓	

Student Name & Surname: Ronel Ronella Randela

Signature: 

Date: 31-07-2025

Supervisor Name & Surname: Eric Maluta

Signature: 

Date: 31/05/2025

## 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	Tjaart Kruger	tjaart.kruger@up.ac.za
Suggested reviewer #2	Mandla Msimanga	msimangam@tut.ac.za
Suggested reviewer #3	Daramy Kallon	dkallon@uj.ac.za

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

### How is this submitted manuscript scientifically novel?

Experimentally, the findings of our results from this study of extracting Bidens Pilosa and synthesizing it with TiO<sub>2</sub> has not yet been done by aothers and Computationally, the optical properties of Pheophytin molecule found within the Bidens Pilosaa hs not yet been studied previously. Our current results, scientificlty provide us with an alternative organic sensitizer that has a potential to be used in a DSSCs

Please see the Author Guidelines for the AI use policy.

### How was AI used in the generation of this manuscript?

No use of AI, Only grammarly incoporated in our MS word was used for gramma and spelling

## Section E: Plagiarism

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