

Exploring the Therapeutic Promise of *Drynaria coronans*: Phytochemical Analysis, Antioxidant Capacity, Alpha-amylase Inhibition with Safety Assessment

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Supplementary file



Figure S1. *Drynaria coronans* grown as an epiphytic plant in *Shorea robusta*.

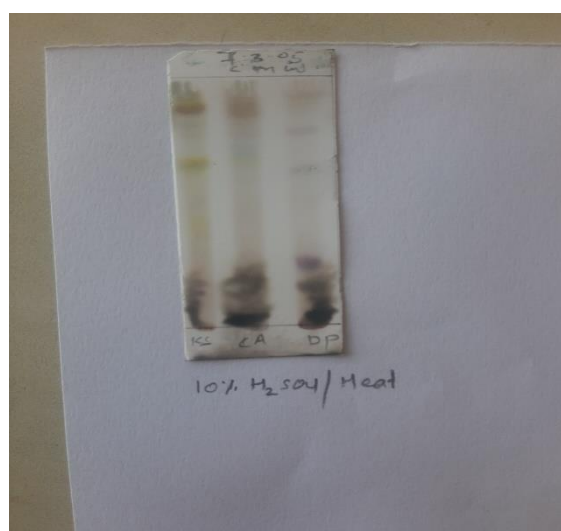


Figure S2. TLC of *Drynaria coronans* spot (10% H₂SO₄/Heat sprayed).

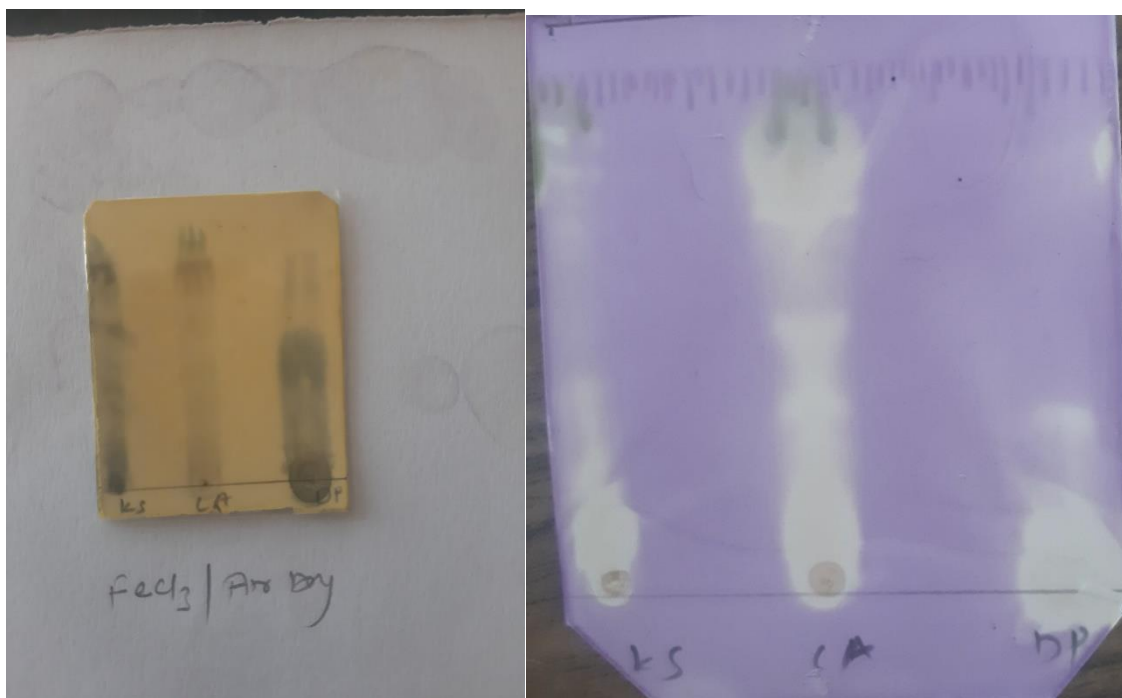


Figure S3. Observation of Phenolic and antioxidant activity using the TLC method.



Figure S4. Swiss albino rats used for toxicity study.



Figure S5. Alpha-amylase activity of standards used for the research.



Figure S6. Filtrate of *Drynaria coronans* rhizome.



पोखरा विश्वविद्यालय

POKHARA UNIVERSITY

Kaski, Nepal

चलानी नं.: Ref.No. 105-079/80

Date: 9th Jan 2023

Mr./Ms. Prabhat Kumar Jha
Principal Investigator
School of Health and Allied Sciences
Faculty of Health Sciences
Pokhara University

Ref: Ethical Approval of Research Proposal

Dear Mr./Ms. Jha

It is our pleasure to inform you that Institutional Review Committee (IRC), Pokhara University has approved your proposal for the ethical approval as per the decision taken by the committee on dated 9th Jan 2023 Meeting number 60.

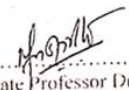
Research title: "Evaluation of anti-inflammatory, analgesic and hypoglycemic activity of medicinally important plants of Nepal"

As per IRC rules and regulations, the investigator has to strictly follow the protocol mentioned in the proposal. Any change in objective(s), problem statement, research question, hypothesis, methodology, implementation procedure, data management and budget that may be necessary in course of the implementation of the research proposal can only be made so and implemented after prior approval from this committee. Thus, it is compulsory to submit the detail of such changes intended or desired with justification prior to actual change in the protocol.

Further, the researchers are directed to strictly abide by the IRC during the implementation of their research proposal and submit progress report and full copy of summary report upon completion.

If you have any questions, please contact the IRC, Pokhara University.

Thank You


Associate Professor Dr. Nirajan Shrestha
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Institutional Review Committee
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Figure S7. Ethical approval letter.