



IESFAC 2023

INDIAN ECOLOGICAL SOCIETY FISHERIES AND AQUACULTURE CONFERENCE-2023

FISHERIES AND AQUACULTURE- AN ECOLOGICAL PERSPECTIVE

FORMAT – II - ABSTRACT

GUIDELINES

1. Theme area/Topic

During the abstract submission, you will be asked to write topic/theme area of your interest (please check the conference theme areas and give the area which best describes the topic area of your presentation).

2. Title in upper/lower case and format genus and species in italics. Example: Monitoring the American Bollworm (*Helicoverpa armigera*) in Bt cotton.

SAMPLE ABSTRACT

Theme Area - Sustainable Aquafeeds and Feeds Technologies

Comparative Seasonal Productivity and Nutritive Value of Two Duckweed Species (*Lemna minor* and *L. gibba*) Cultured Under Agro-climatic Conditions of Punjab

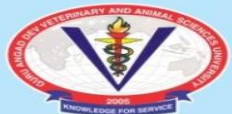
Vaneet Inder Kaur* and Meera D. Ansal

Department of Aquaculture, College of Fisheries, GADVASU, Ludhiana

*Corresponding author's email: vinnygulati@gmail.com

Keywords: Duckweed, *Lemna minor*, *Lemnagibba*, Crude protein

Annual production data of two duckweed species (*Lemna minor* and *L. gibba*) was compared in respect to seasonal productivity and nutritive value to assess economic viability of duckweed culture under agroclimatic conditions of Punjab. For the said purpose, different doses/combinations of organic manure/inorganic fertilizers were used



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3. Author(s) name(s) and affiliation(s):

Authors name(s) bold and affiliations normal font in italics.

4. The corresponding author's email address should be inserted in the footnote after affiliation

5. Keywords: 4-5 words

6. Font Type &Size

- Whole abstract in **Times New Roman**.
- Text font size 12**.
- Double spacing** throughout the text except tables

viz., 500, 600, 700, 800, 900 and 1000 kg/ha/week of cow dung (CD) or poultry droppings (PD) or CD+PD (1:1) combination; or Urea+Triple super phosphate (TSP) combination @ 10+2.0, 12+2.4, 14+2.8, 16+3.2, 18+3.6 and 20+4.0 kg/ha/week. In case of *L. minor*, highest number of harvestings (30) were recorded with PD, followed by CD+PD (29), CD (28) and urea+TSP (16), with highest estimated productivity of 158t/ha/yr(9.49 to 62.4% higher than other groups). In case of *L. gibba*, highest number of harvestings (17) were recorded in PD, followed by CD+PD (16), CD (14) and Urea+TSP (13), with highest estimated productivity of 81.70 t/ha/yr (6.24 to 40.27% higher than other groups). Further, in respect to nutritive value (on dry matter basis), the crude protein (CP) content in *L. minor* was recorded maximum during monsoon and pre-monsoon months, with highest recorded crude protein of 26.65%. While, the CP content in *L. gibba* was recorded maximum during winter months, with highest recorded CP of 33.97% (27.46% higher than *L. minor*). Overall results revealed significant variations in productivity and nutritive



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- d. Theme area/Topic: **11 normal.**
- e. Title: **13 bold.**
- f. Author name(s): **11 bold.**
- g. Institution/ affiliation: **11 italics (Not bold).**

Word Limit for complete abstract

Minimum – 300 words

Maximum – 500 words

Tables(s)/Figure(s) & References – Not Required

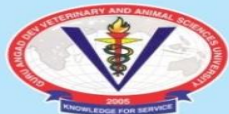
value of the two duckweed species with season and type of manure/fertilizer used for cultivation. However, comparative economic evaluation in terms of culture period, number of harvestings, biomass productivity (48.29% higher than *L. gibba*) and nutritive value, *L. minor* was found more suitable in context to agroclimatic conditions of Punjab and PD appeared as the most suitable manure for optimal high protein duckweed production at application rate of 600 kg/ha/week. Further, the present study also revealed possibility of culturing an alternative protein ingredient in the form of duckweed under agro-climatic conditions of Punjab.

How to submit the abstract

1. Before submission of abstract, Register yourself, make an account OR log in if already signed up.
2. Submit the abstract on link <http://iesfaconf.in/submit-paper/>.
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Note:

Abstract and full-length articles should report the results of the original research. The material should not have been previously published or submitted for publication elsewhere. Strictly follow the author guidelines for **ABSTRACT** (word count, font size, formatting and references).



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