

# 30<sup>th</sup> Indian Convention of Food Scientists & Technologists (ICFoST)

“Food Safety, Standards, Security and Sustainability”



‘FoodSSSS’

Date: 19<sup>th</sup> - 21<sup>st</sup> December, 2024



Venue – D Y Patil Deemed to be University , Navi Mumbai

## Instructions for submission of Poster Abstracts

### Abstract and poster presentation guidelines

- ✓ Only registered delegates will be allowed to present the poster at the conference.
- ✓ A registered delegate can present **only one poster**.
- ✓ Abstracts in the area of Food Science & Technology and the themes of the 30<sup>th</sup> ICFoST will be accepted.
- ✓ **Review papers are not accepted for presentation.**
- ✓ Abstracts will be evaluated and subjected to editorial corrections on acceptance.
- ✓ **The last date for receipt of the abstracts is 15-11-2024.**
- ✓ Abstracts received after the last date **will not be printed** in the souvenir
- ✓ Poster abstracts should be submitted via online (<https://icfost.nevendo.in/2/login>) or **www.icfost.org**
- ✓ Acceptance of the abstract will be communicated to the e-mail ID through which it is submitted.
- ✓ Some of the selected abstracts will be considered for the oral presentation based on the committee's recommendation.
- ✓ Pinboard size of 4 (Width) x 3 (Length) feet will be available for the display of the poster.
- ✓ The date, schedule of the presentation, and abstract number can be found in the printed souvenir/registration area of the conference/Website.

### Abstract Format

- The abstract should be composed using **the online submission portal**.
- Please use **Times New Roman** font: **14 pt bold for the title, 12 pt bold for the presenting author, and 10 pt normal for the rest of the text.**
- Affiliation of the authors should be identified by a numbered (1,2,3...) superscript and the corresponding author should be additionally identified by an asterisk (\*).
- The text of the abstract should not exceed 250 words.
- Abstract should include Objectives, Methods, Results & Discussion.
- Biological names of organisms and colloquial names should be italicized.
- References need not be included in the text. A model abstract is provided below.
- Adding special characters, symbols, and mathematical formulas in the title or abstract may be done using the submission portal

if any clarification contact: [icfostposter@gmail.com](mailto:icfostposter@gmail.com)

### Model Abstract

## Modifying the culture conditions for *Porphyridium* spp. to produce more polysaccharides

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### Objective:

Optimization of culture conditions for increased polysaccharide synthesis in *Porphyridium purpurium* species

### Methodology:

*Porphyridium* (112.79) was obtained from the Sammlung von Algen Kulturen at the Pflanzen Physiologisches Institute at the University of Gottingen in Germany. The stock culture was kept in a pH 7.45 Artificial Sea Water (ASW) medium. ASW media, AS100 media, Zarrouk's media, and Koch media were employed as parameters. The effects of phytohormones, such as IAA, Kinetin, TIBA, BAP, and GA, are also employed to enhance polysaccharide production.

### Results and Conclusions:

Among the several media studied, the Artificial Sea Water (ASW) medium was shown to be the most effective, increasing both biomass and polysaccharide production by 1 g/L and 600 mg/L, respectively. The addition of the phytohormone Kinetin to the medium significantly increased biomass and polysaccharide production by 6 g/L and 700 mg/L, respectively. GC-MS profiling has confirmed the presence of xylose, glucose, and galactose as the major sugars.

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