INTERNAL QUALITY ASSURANCE CELL
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Seminars/ Conferences/ Workshops/ Webinars conducted by Department of Botany

1. **Event :** Webinar
2. **Title of the Event :** Advanced Techniques for Microalgae Cultivation
3. **Date and Duration** : 3rd February, 2022
4. **Themes & Objectives of the Event :** The Webinar aimed at addressing the advanced techniques for microalgae cultivation including the photoautotrophic and heterotrophic cultivation. The photoautotrophic method was further subdivided into closed photobioreactors and open ponds.
5. **Funding Agency :** COF, RDWU
   a) Funds Received (in Rs.): 2500
6. **Details of Resource Persons (date wise)**

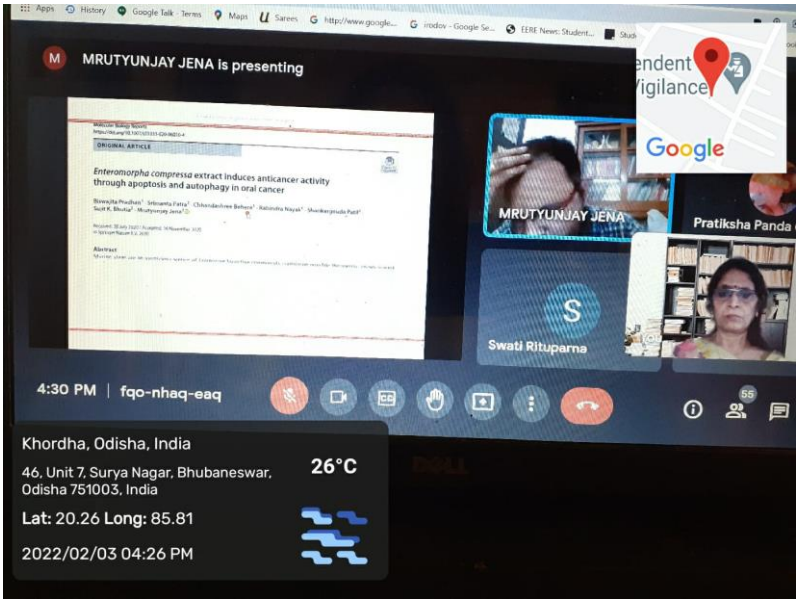
Sl. No.	Date	Name	Designation	Institute	Title of Talk
1.	3rd February, 2022	Dr. Mrutyunjay Jena	Assistant Professor	Department of Botany, Berhampur University, Bhanja Bihar, Berhampur	Advanced Techniques for Microalgae Cultivation

7. **Details of Participants:**
   a) No. of Faculty Members : 5
   b) No. of UG students : 30

8. **Outcome of the event:** The webinar focussed on the different forms of microalgae, growth of microalgae in either in open (pond) culture systems or closed flat plate, tubular and vertical column design PBRs, an ideal microalgae culturing system possessing the characteristics, including: adequate light source, effective transfer of material across liquid-gas barrier, simple operation procedure, minimal contamination rate, cheap overall building and production cost, and high land efficiency, the widely followed algal cultivation techniques : photoautotrophic and heterotrophic cultivation.

9. **Recommendations:** The latest microalgae cultivation systems, microalgae – an important part of carbon cycle in nature by utilizing carbon resource in water and soil, abilities of microalgae in mitigating CO_2 emission and producing oil with high productivity, popularization of third generation biodiesel.

10. **Selected Photographs: Enclosed**



Representative pictures for Webinar on "Diversity of Microalgae and Mass Cultivation techniques " held on 3rd February, 2022.