



# The Oxford College of Science



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Supported by DST GoI under FIST program, Supported by DBT GoI under DBT-STAR College

TOGETHER with our partners for a paradigm shift

**Just**  
Evotec Biotech

With Just - Evotec Biotech, Evotec aims to shift together with our partners, the current paradigm for biologics discovery and manufacturing. Together we will create a massive impact by providing access to critical biotherapeutics.

- Access to innovative biologics
- Access to biosimilars
- Access to pandemic preparedness

Participants:

- Dr. Kamatchi C
- Chanya (Unverified)
- MADAM SRANIAN (Unverified)
- AMESHA PANWAR (Unverified)
- Anjireja Reddy MJ (Unverified)
- Ayush (Unverified)
- Shavara (Unverified)
- chaithra (Unverified)
- Chandranath Gan... (Unverified)
- DEEZHITHA M (Unverified)

Where is Primary clarification placed?

Bioreactor

Primary clarification  
(Centrifugation, TFF, depth filtration, Elucosulation or ATPE)

Depth filtration

Bioburden reduction  
(0.2 or 0.45 µm)

Purification

Participants:

- Chandranath Ganapathy
- Gaurav Roy
- Dr. Kamatchi C

What are the determining factors for primary clarification?

1) Production Organisms

2) Scale of operation and Cell Mass

Aggregated 4% by production source

Cell mass (g/L) vs Fermenter volume (x 1000 L)

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- Ashtha, N (Unverified)
- Ayush (Unverified)
- Shavara (Unverified)
- Shavara C (Unverified)
- chaithra (Unverified)

**EVENT:** From Raw Material to purified Product: The Journey of Downstream Processing

**DATE & TIME:** 30<sup>th</sup> September 2024, 1:30 PM

**VENUE & MODE:** BI Lab & Online Mode

**RESOURCE PERSON:** Mr. Chandranath Ganapathy, Head of Purification Development, Just-Evotec Biologics, France

**NO. OF STUDENTS PARTICIPATED:** 104

**PROGRAMME COORDINATOR:** Dr. Kamatchi C

A guest lecture gave the complete process of basics of recovery, selection of cell line, different methods of cell disruption and purifications. The significant process was highlighted during the lecture about the development and fully continuous downstream process to reduce the cost of goods. The innovative chromatography development were also discussed with students regarding the resins based continuous operation.