

REF/MSRCASC/CHEM/BIOCHEM/2023-2024

Date 31.05.24

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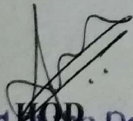
Department of Chemistry and Biochemistry (UG)

Department of Chemistry and Biochemistry (UG) is organizing career guidance (guest lecture) on topic **“Delving into the pharmaceutical industries” Under DBT star college scheme for all VI sem BSc students** on 11/06/24, by Mrs Sujatha Jagannatha. Head, Total quality management system, Cymbio pharma PVt Ltd Bengaluru. **The talk will focus on exploring opportunities within the pharmaceutical industry.**

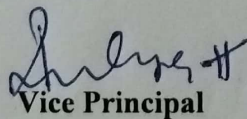
Attendance is Mandatory for all students

Time: 3:00PM to 4:30PM

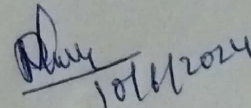
Venue: Mother Theresa Auditorium



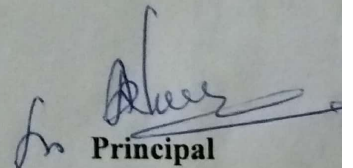
Head of the Department
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M.S. Ramaiah College of Arts,
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Vice Principal



Registrar (Academics)



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RAMAIAH

College of Arts, Science
& Commerce - Autonomous



जैवप्रौद्योगिकी विभाग
**DEPARTMENT OF
BIOTECHNOLOGY**

**Department of Chemistry and Biochemistry(UG)
Organizes
Guest Lecture on Career guidance
Topic -“Delving into the pharmaceutical industries”**



**Mrs. Sujatha Jagannatha
Head, Total Quality Management system,
Cymbio Pharma Pvt. Ltd Bengaluru.**

Date:11.06.24

Time: 3:00PM to 4:30PM

Venue: Mother Theresa Auditorium

**Ramya Kumari B S
HOD & Coordinator**

**Dr Pushpa H
Vice Principal**

**Dr Vatsala G
Principal**



The guest lecturer shared insights into best practices for production and manufacturing, stressing the significance of efficient processes, automation, and waste reduction. She discussed strategies for improving manufacturing processes and achieving high-quality production.

- *Research and Development (R&D) & Formulation and Development:*

Mrs Sujatha explained that R&D plays a vital role in innovation and product improvement. He discussed the stages of the R&D process, the importance of market research, and the significance of investing in R&D to maintain competitiveness. Expert added that F&D is the branch where pharmacy scientists are envisaged in developing specialized formulations with next level benefits for society.

- *Drug Development Trends:*

Expert highlighted the increasing focus on personalized medicine, where treatments are tailored to individual patients based on their genetic makeup and specific needs.

Speakers emphasized the importance of collaborative research efforts, open innovation, and the integration of big data and AI in the drug development process.

- *Regulatory Challenges:*

Regulatory experts stressed the need for a balance between patient safety and innovation. They discussed evolving regulations around drug approvals, including expedited pathways for rare diseases and innovative therapies.

The complexity of global regulatory harmonization and the impact of geopolitical factors on the industry were also discussed.

- *Technological Advancements:*

Presenters showcased how advances in biotechnology, such as the role of blockchain in ensuring supply chain transparency and the utilization of 3D printing in drug manufacturing were highlighted as areas of rapid technological growth.

- *Market Access and Pricing:*

Discussions revolved around the growing concern of pharmaceutical pricing and access. Experts proposed novel pricing models and the importance of value-based healthcare. The need for more transparency in pricing strategies and addressing issues of affordability and accessibility were prominent themes.

- *Future Trends:*

Experts predicted a shift towards preventive medicine, with a greater emphasis on vaccines, diagnostics, and early interventions. Speakers emphasized the growing importance of biopharmaceuticals and the exploration of new modalities beyond small molecules.

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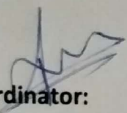
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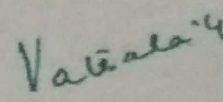
Conclusions

- Guest Lecture on “Delving into the pharmaceutical industries” provided a comprehensive overview of the challenges and opportunities faced by the pharmaceutical sector and students of this profession while they enter the market. Key takeaways included the emphasis on personalized medicine, the evolving regulatory landscape, technological advancements, pricing concerns, and future trends in the industry.
- This symposium served as a valuable platform for knowledge sharing and networking, fostering a collaborative spirit among industry stakeholders. As the pharmaceutical industry continues to evolve, staying abreast of these insights is critical for making informed decisions and driving innovation.


Coordinator:

Mrs Ramya Kumari B S


HOD


Principal

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