Department of Biotechnology

University of Calicut Organizes

Value Added Course:

Biotechnology Experiences through Research and Industry

About the Department: Established in 1994, jointly sponsored by the Department of Biotechnology (under Ministry of Science & Technology, Govt. of India) and the University of Calicut. The department offers M.Sc., M.Phil., and Doctoral level research programmes in the thrust areas of Molecular Cell Biology, Recombinant DNA Technology, Anticancer Agents and Oncobiology, Immunology, Enzymology, Bioprocess Technology, Biowaste Management, Biofuels, Medical, Environmental and Plant Biotechnology.

About the Value added Course: The unique highlight of the Programme is to explore biotechnology through research and Industry.

Registration: Interested participants may apply through the online google form in the link provided. Participants must be authorized by their parent institution/ department either by the Head of the Department or the ID card of the Institute.

Tentative Programs:

Name of Resource person	Topic
Dr. Seetha Krishnan Director, Discovery Biology Solutions, Aragen Life Sciences Pvt. Ltd. Hyderabad.	Drug discovery process
Suraj Parakat Food Safety Compliances, LULU Group international, Dubai,UAE	How safe your food: opportunities and compliance
Boby Krishna Senior Food Safety Specalist,Dubai Muncipality UAE	How safe your food: opportunities and compliance
Kamble Mithila Ashok ,Ph.D Scholar, Indian Instituteof Science Education and Research Kolkata	role of I nose in m-Cov induced neuroinflamation

Pratibha Nair, Senior Researcher, Centre for Arab Genomic Studies, 22252 Dubai, United Arab Emirates	Human genome variants: Databases and mining tools
Dr. RIZWAN HASSAN KHAN AMU, Aligarh	Protein structure and aggregation
Dr. Saloni Patel, BMT unit, Thomas Wollert laboratory, 25-28 Rue du Dr Roux, 75015 Paris	Identification of phosphatases that act as prospective therapeutic targets for Gaucher's Disease
Naresh Naidu, Asst. Prof., Dept. of Botany, Govt. Autonomous PG College, Chidwara, M.P.- 480001	Hydroponics
Sadhna Sahu, Senior Scientific Asst., Biology Division, Central Forensic Science Lab,Hyderabad	Application of DNA Fingerprinting in Forensic Biology
Dr. AnilKumar Head (Rtd) Microbiology,Xth PIUS college,Kannur University	Waste water treatment
Jasim Palacky University Olomouc | Czech Republic, Faculty of Science | Department of Cell Biology Centre of the Region Haná for Biotechnological and Agricultural Research	Advances in Fluorescence microscopy - an insight into the microenvironments

OrganisingCommittee:

Prof.Dr.K.K.Elyas

Dr. Gopinathan C.

Dr. Smitha V.B.

Contact Details:
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Email: bifuoc@gmail.com

SYLLABUS for Value added course

Title of the course : Biotechnology Experiences through Research and Industry

Unit I: Opportunities in research

General Organizational structures of Research Institute, Scientist positions in Govt and private research institutes. Qualifications for researcher positions. Permanent and temporaroy positions. JRF, SRF, RA, PDF. Research outcome - Publication, Patent and technology transfer. Training man power, Conduct of Seminar, Symposia and Workshope. Advantages, Challenges and Risks of employment in research institute

Unit II: Opportunities in industries

Industries working experience in the area of microbial, plant, health care, Basic experience, skills and knowledge required for the industries, Small, Big and multinational industries, Small Scale Industrial units advantage and support by Govt. for SSI, opportunities in biotechnology services provided by the industry research, Opertunities in reagents preparation, packaging and distribution. R&D in industries. Majour industrial groups in India. International industrial Biotechnology organization.

Unit III: International opportunities

International funding for higher studies and Research. WHO, Food and Environment related organizations. International collaborations. Sharing of resources across the country. Sharing of skilled manpower, resources, facilities and technological knowhow.

Unit I Unit IV: Funding agencies

Role of DBT in promoting Biotechnology in Indi. Types of funding, Govt funding institutes like DBT, ICMR, CSIR, Preparations of Project proposals. Importance of research publications and lead molecules as a basic requirement for funding

Funding from Agricultural institutes, Private funding, Research grants, Collaborative research, Preparation of projects for funding. Fundings for faculty improvement, Project submission, approval, fund release, execution and final project report. Financial documents utlisation certificate, statement of expenditure and settling of account.

List of Students enrolled for Value added course

PhD

1. Nidheesh Roy T.A
2. TanciaRosalin
3. Aiswarya U.S.
4. Faisal Moossa Athikkavil
5. Remya Johny
6. Jobish Joseph
7. Meghna Sudhesh
8. Surya P.H.
9. Suhana Koothradan
10. Anju V V

M.Phil

11. BABY ROSHMA K

12. SREYA .T.S

M.Sc.

13 ALEENA SASINDRAN

14. AMEENA K

15. AMRUTHA ASHOK A

16. ASHMILA

17. BHAGYALAKSHMI PB

18 GAYATHRI SHAJAN

19. MUBASHIRA THASNEEM

20. NIKETHA MANOJ

21. NUSRATH BEEVI K P

22. SAJNA SALEEM T P

23. SANGEETHA R

24. SHALINI K

25. SHYMA SHERIN.Z

26. SNEHA APK

27. SOORYA

28. H.DHANAJAYAN

29. SRIRAM

30. Anagha anirudhan

31. Athira k

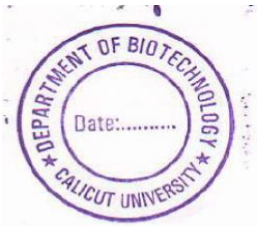
32. Devika m shaju

33. Digsha khersa

34. Rajasree sasidharan

35. Rohit chand kabidayal

36. Vaishna sunil k

37. Yanamandra venkata ratnam

Sd/-
HoD
Dept. of Biotechnology