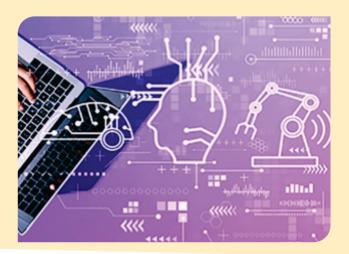
RESOURCE PERSONS

- 1. **Prof Bhima Bhukya** Professor and Principal, Nizam College, Hyderabad.
- 2. Prof Sandeepta Burgula Professor and Head, Dept. of Microbiology, OU.
- 3. Dr Hameeda Bee, Associate Professor and Chairperson, BoS, Dept. of Microbiology, OU.
- 4. **Dr K Shanthi Kumari** Assistant Professor, Department of Microbiology, OU, Hyderabad.
- 5. **Prof Gopal Reddy**, Professor (Retd.), Department of Microbiology, OU, Hyderabad.
- 6. Dr Vidya Jonnalagadda Site Head, Aarkus Therapeutics, Hyderabad.
- 7. Prof Surekha Rani, Professor and Head, Department of Genetics & Biotechnology, OU.
- 8. **Dr Karuna Rupula** Associate Professor and Head. Department of Biochemistry, OU.
- 9. **Prof Manjula Bhanoori** Professor and Chairperson, BoS, Dept. of Biochemistry, OU.
- 10, Dr K Srinivas Naik, Associate Professor, CPMB, OU
- 11. **Dr A Anupama**, Head, Department of Psychology, OU
- 12. **Dr Someswar Sagurthi** Assistant Professor. Department of Genetics & Biotechnology, OU



Chief Patrons : Prof. D. Ravinder, VC, OU

Sri MarupakaNagesh,

Mem-Secretary, TSCOST

: Prof. P. Laxminarayana Patrons

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: Prof Sandeepta Burgula Convenor

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Catalyzed and supported by

National council of Science & Technology Communications (NCSTC)

Department of Science & Technology, Govt. of India

Telangana State Council of Science & Technology (TSCOST)

Dept. of EFS & T, Govt. of Telangana









Three Day National Workshop on Research based **Pedagogical Tools in Life Sciences**

FEB 6 - 8, 2023



DEPARTMENT OF MICROBIOLOGY OSMANIA UNIVERSITY HYDERABAD

UNIVERSITY COLLEGE OF SCIENCE

The University College of Science (UCS) has earned a pride of place in Osmania University and has always been in the forefront whether in terms of size of faculty, strength of students, quality of research, academic reputation or administrative excellence.

DEPARTMENT OF MICROBIOLOGY

Microbiology is the most sought after subject of Modern Biology with a lot of scope and plenty of opportunities. Osmania University is the first to start Microbiology at Masters level in entire south India, establishedin1974. The Department offers M.Sc and Ph.D degrees in Microbiology and conducts cutting edge research in allied areas.

WORKSHOP

The workshop is focused on training PG teachers of Life Sciences. The post pandemic era has affected the teaching and student community in terms of practical knowledge and research based learning. Through this workshop, training will be imparted to teachers to incorporate research based tools while teaching in class room and laboratory.

The main activities of the workshop are as follows

- a. Training for effective pedagogy
 - Theoretical and practical
- b. Focus on ideal student
 - -teacher relationship
- c. Implementing research based learning tools in teaching.
- d. Understanding funding opportunities in higher education.

Topics/ Sessions/ Events of the program

Day 1: 6th Feb, 2023

Theme: INTRODUCTION TO RESEARCH BASED PEDAGOGICAL TOOLS (RBPT)

Time	Activity	Format	Trainer
9.30am	Registration and Inauguration		
10:30 pm	Overview of the workshop Expectations and learning outcomes from this workshop.	Presentation	Prof B Bhima and Dr.Hameeda Bee
12:00pm	Effective Pedagogy Pedagogical methods to improve student performance.	Presentation	Prof Gopal Reddy
2:00 pm	What is research? Why do we need to do hands-on activities in class?	Presentation	Dr.Vidya J
·	Laboratory session- Practical approaches for effective learning	Discussion	Dr.Vidya J and Prof Sandeepta Burgula
4: 30 pm	Summary of Day 1 and Plan for Day 2	Presentation	Dr. K.Shanthi Kumari

Day 2: 7th Feb, 2023
Theme: SCIENCE, PSYCHOLOGY AND LEARNING

Time	Activity	Format	Trainer
10:00am	Funding opportunities in Science	Presentation	Prof Manjula Bhanoori
11:30am	Emotional Intelligence in teaching and student engagement	Presentation	Dr A Anupama
2.00pm	Pteranodon activity Frame questions that require classroom activity: design empirical methods, record and report observations.	Presentation, Group activity	Dr Vidya J And Dr K.Srinivas Naik
4.00pm	Lessons from Pteranodon activity How simple models can teach advanced concepts and skills.	Discussion	VJ, SN, SB, HB, and SK
4: 45pm	Summary of Day 2 and Plan for Day 3	Presentation	Dr K. Shanthi Kumari

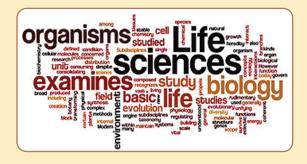
Day 3: 8th Feb, 2023

Theme: ADVANCES IN SCIENCE AND TECHNOLOGY: TEACHING AND RESEARCH

Time	Activity	Format	Trainer
10:00	Cutting edge approaches to practical pedagogy	Discussion	Prof B.Sandeepta and Dr K.Shanthi Kumari
11:30	Bioinformatics in Biology	Presentation	Dr Someswar Sagurthi
2:00	Setting SMART targets (Action planning), Hurdles and Helpers in implementation of Research Based Learning at Colleges	Discussion	Chairs : Prof Surekha Rani and Dr Karuna Rupula
3.30 pm	Valedictory session		

 Note: All participants will be provided with a participation certificate and a handbook of practicals protocols.

Lunch and tea will be provided



Registration Restricted to only 20 Participants

Registration Fee

PG Faculty : 1500 /-

For details Contact
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