

## NWRACTL 2023

PROGRAM ORGANISING COMMITTEE

Chief Patron:

**Prof. M. Vijjulatha**  
Principal, TMV

Guest of Honour:

**Prof. Reddy Naik B.**  
OSD to VC & Head,  
Department of Zoology,  
UCS, O.U.

### Organising Secretary

Dr.Y.Sunila Kumari,  
I/C Head, Zoology, TMV.

Patron:

**Dr. B. Shailaja**  
Vice Principal, TMV

Distinguished Guest:

**Prof. Madhavi M.**  
Chairperson, BOS,  
Department of Zoology,  
UCS, O.U.

### Joint Organising Secretary

Dr. G.P.L Jayasree  
Guest Faculty, Zoology, TMV.

### National Advisory Committee

Prof. Jithender Kumar Naik, *Senior Professor*,  
Prof. Rajashekhar A.V  
Prof. Sunitha Devi G  
Prof. Siniviasulu C.  
Dr. Padmaja S.  
Dr. Venkateshwar Rao J  
Mrs. Meenakshi  
Dr. Nageswara Rao .A  
Dr. Nageswara Rao Amanchi  
Dr. Jyothi .B  
Dr. Radha Krishna M  
Dr. Chitra K.Y.

### Correspondence

Dr. Y.Sunila Kumari  
9010295545

Dr. G.P.L. Jayasree  
9391367231

Dr. D. Priya kumari  
9866916065

### Organising Committee

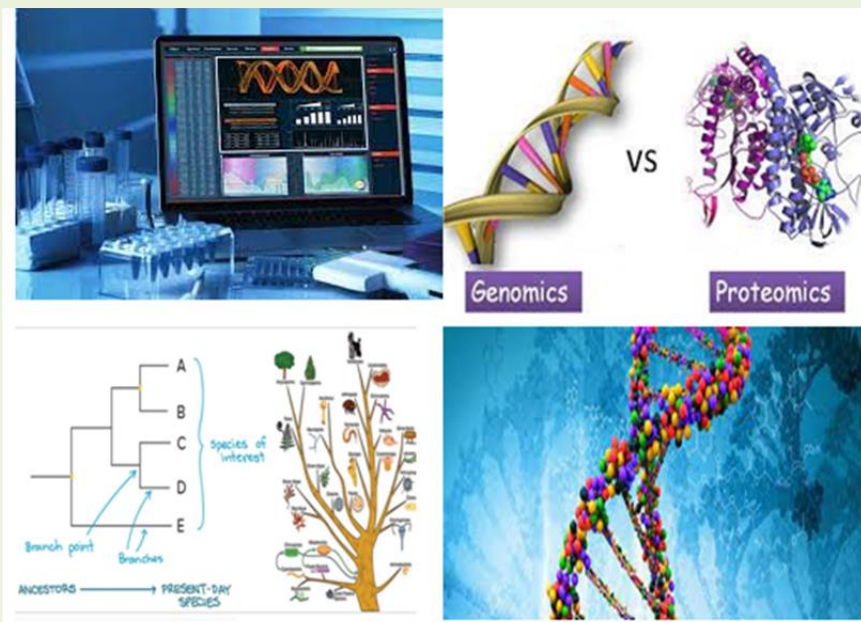
Prof. B.Neeraja (Retd.)  
Dr.D.Priya Kumari  
Dr.G.Shailaja  
Dr.C.Sanat Kumar  
Dr. S.Anuradha  
Ms.P.Sunita  
Dr. B.Kavitha  
Mr. R. Yougandar  
Dr. M.Nageshwar

## NWRACTL 2023

Two Days National Workshop on “Recent Advances in  
Computational Tools in Life Sciences”

February 1<sup>st</sup> & 2<sup>nd</sup>, 2023

Venue : Prof. Pramada Devi PG Seminar Hall, TMV



### Organised by

Department. of Zoology,  
Telangana Mahila Viswavidyalayam,  
Koti, Hyderabad, Telangana,  
Pincode: 500095.

Email Id: [ucwzoology@gmail.com](mailto:ucwzoology@gmail.com)



Catalysed and Supported by  
NCSTC, DST, GOI and TSCOST, Dept of EFS&T, Govt. of Telangana



## NWRACL 2023

### About the Workshop

This workshop focuses on application of computational approaches to biology. It entails the use of computational tools for simulation of biological systems, as well as for the understanding and modeling of the structures and processes of life. Use of Computers in Life Sciences have drastically reduced the time and cost involved in research. The insilico methods help the researchers to visually inspect and analyse the interactions at molecular level. Hence it is necessary to develop these computational skills and expertise related to life sciences. The objective of this workshop is to orient and enlighten the participants about the recent advances and provide hands on training on Genomics and Proteomics tools.

### About the University

University College for Women is a constituent college of Osmania University, with autonomous status since 1989. It is accredited 'Five Stars' in the first cycle and 'A' Grade in the next two cycles of NAAC. CPE Status (Third Cycle) renewed in the year 2016-17. Established in the year 1924, the College is celebrating successful completion of 98 years of empowering women. **Recently it was conferred University status and renamed as Telangana Mahila Viswavidyalayam by Telangana Government.** The goals and objectives of the institution are to offer quality education to women and to empower them with information and awareness that enable them to cope with the challenges at various levels and in different spheres of life and to strive for excellence in the fields of teaching, research, employment and entrepreneurship. The College is located in a sprawling Campus of 42 acres covered with lush greenery. Being one of the oldest institutions of higher learning for women, it endeavours to make young women strong and confident by imparting transformational and skill based education that is intellectually stimulating and academically inspiring which helps them in their sustenance and future growth. Being a Constituent College for Women, it caters to a large number of first generation learners; about 4000 students from most of the districts of the newly constituted state of Telangana.

### About the Department

The Department was established in 1935 when Zoology was introduced as one of the optional subjects for B.Sc. Students, with intake of 150 students every year. The Department offers a postgraduate Course M.Sc. Zoology (1984) with intake of 24 students and Government recognised, Job –Oriented, self financing course, Diploma in Medical lab Technology (DMLT), well recognized by the student community, offered by Telangana State Paramedical Board with intake of 20 students per year since 1996. B.Sc. (MLT) 3 years course started in 2022 with intake of 40 students. The Department has well equipped laboratories, Museum Seminar library and computers with internet facilities. The Department of Zoology has a team of highly qualified, competent and experienced faculty with different specializations, committed to create a sense of enquiry and scientific temper among the students and aims to promote the Zoological sciences by increasing availability of resources required to conduct research and enhance the coordination and cooperation between different fields of Life Sciences.

## NWRACL 2023

### Workshop Topics

| Name                                                                               | Affiliated Institute                                 | Topic                                                                                                |
|------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Prof.H.A. Nagarajaram.,<br>Head Department of Systems<br>and Computational Biology | School of Life Sciences,<br>University of Hyderabad. | Key note Address                                                                                     |
| Dr. Moumita Saharay,<br>Department of Systems and<br>Computational Biology         | School of Life Sciences,<br>University of Hyderabad. | 'Modeling and Simulations of<br>Biomolecules in the area of<br>Renewable Energy and<br>Biomimetics'. |
| Dr.Vivek                                                                           | University of Hyderabad.                             | " Metagenomics"                                                                                      |
| Dr.G.P.L. Jayasree                                                                 | Dept. of Zoology TMV.                                | Hands on session on Insilico<br>tools for sequence alignment<br>and phylogenetic analysis            |
| Ms. I .Gayathri Priya                                                              | IIIT ,( IISc Banglore)                               | Hands-on, Session on<br>Differential Gene Expression<br>Analysis using R".                           |
| Mr. L. Laxman Kumar                                                                | Pondicherry University                               | Computer aided drug<br>designing                                                                     |

### Registration Fee :

Faculty and Research Scholars – Rs. 1000/-  
Students – Rs.250/-

### How to register?

<https://forms.gle/uJ1DDL4uFqnUBHVk8>

Last date for Registration 25<sup>th</sup> January 2023

- ❖ No TA, DA & Accommodation will be provided to the participants
- ❖ Registration fee includes lunch for 2 days and participation Certificate.
- ❖ Venue : Prof. Pramada Devi PG Seminar Hall, TMV,

**Registration Restricted to only 40 Participants**

**Note: Please bring Your Windows OS laptop along with mouse.**

